



Main Catalog

The Best Return on Investment



UNIFLEX.de
made in Germany

“We are happy when the customers of our customers are satisfied!”

(Patrick Sticker, President)



No. 1 in innovation, quality, service and price-performance ratio.

Protect our Environment



Long-lasting equipment contributes to the reduction of CO₂.



Precision

The precise production of component parts from qualified suppliers ensures the quality and long life for our machines.

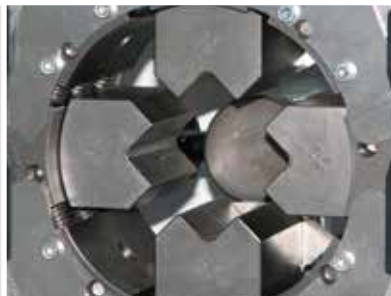


Innovation

The technical department delivers designs that meet the standards for tomorrow based on customer input.

Universal

UNIFLEX machines are universal and can be used for all types of fittings and diverse applications.



Presence

The UNIFLEX Team can be contacted at all times in the following showroom-warehouses: Karben (DE), Singapore (SG), Schaumburg (IL, USA), Montevideo (UY), Bangalore (IN), Shanghai (CN), via partner company: Yekaterinburg (RU).

sales@uniflex.de



Service

Your complete satisfaction is very important to us. Therefore, we place great value on a global all-round service. service@uniflex.de

Do you need help? Send us a video:

WeChat: +49 (0) 152/03540155
 WhatsApp: +49 (0) 152/03540155
 Skype: service@uniflex.de
 FaceTime: service@uniflex.de



Warranty

UNIFLEX is proud of all of its products and provides a 2-year warranty on all new products and a 1-year warranty on second-hand machines.

UNIFLEX Products

Leading supplier for high-quality machines

The broad range of UNIFLEX products for all applications and hose diameters offers everything the hydraulic hose industry needs in order to provide its clients with optimum quality.

| | | | |
|---|--|--|---|
| <p>Service Crimpers</p> <p>Intermittent use in service and workshop applications.</p> <p>P.04-23</p> |  | <p>Cutting Machines</p> <p>Machines for cutting hoses.</p> <p>P.46-59</p> | <p>uxinside.net</p> |
|  | <p>P.24-45</p> <p>Production Crimpers</p> <p>Crimpers suitable for big production series.</p> |  | <p>Skiving Machines</p> <p>Machines for skiving hoses.</p> <p>P.60-65</p> |
| <p>uniflex.de</p> |  | <p>P.66-77</p> <p>Peripheral Equipment</p> <p>More machines for hose assembly preparations.</p> |  |
|  | <p>P.78-87</p> <p>Test Benches</p> <p>Machines for testing hose assemblies.</p> |  | <p>P.90-103</p> <p>Special Equipment</p> <p>Custom machines for unique applications.</p> |
| <p>Cleaning Devices</p> <p>Machines for cleaning hoses.</p> <p>P.88-89</p> |  | <p>UXInside</p> <p>Training and Certification.</p> <p>P.104-107</p> |  |



Service Crimpers

Compact, mobile and powerful.



Greaseless

Slide bearings on the crimp tool improve efficiency up to 20%, reduce friction and help keep the tool free of contaminants.



Universal

For all types of hoses and fittings.



Ecoline

Value driven solution for less frequent use.



Ergonomic

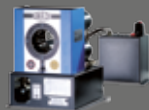
Ease of operator use for maximum productivity.



S 2



UA 4



HM 200



S 3



S 4



S 6



S 7



S 8 | S 10 | S 8 i | S 10 i

SL 3-16 M

NEW

Next-generation crimper for low pressure hose assemblies.

Two-in-one solution with integrated die sets Ø5 and Ø15 for DN 03-16.

With this model, UNIFLEX innovates the existing crimper: two integrated die sets in one tool. No more lost time changing the dies sets. Just change the handle and you are already crimping the other size. No risk of losing dies, no dirty hands, no "time lost". With the built-in handle, you can easily carry it anywhere.





Must workshops and mobile service teams do without the power and reliability of large stationary crimpers? UNIFLEX's answer is a definite "no", and our compact, multi-purpose workshop crimpers prove that the advantages of the legendary slide bearing technology can also be used in light-weight, inexpensive equipment that will fit into almost any vehicle and workshop. Numerous drive variants are available.



S 2 M



S 2 P



S 2 A

Ergonomic

The lightest crimper with the biggest opening in its class

Easy to handle

Two-stage hand pump

Compact Design

Fits in any workshop

Ideal for on-site service

Slide bearing technology

No greasing improves cleanliness of machine

Prolongs the machine's lifetime

Maximum productivity with very low maintenance costs

No risk of prematurely damaging the crimping head

End product can be used in sanitary applications without cleaning

20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers

Consistently accurate crimp result

CE compliant

Packages



QDS 263 B

S 2 Ecoline:

QDS 263 B

S 2 Package = Machine

+ PB Ø 17, 20, 24

+ QDS 26X B

Others:

QDS 263 B

S 2 Package = Machine

+ PB Ø 17, 20, 24, 28, 32, 40

+ QDS 26X B

Accessories



TU Table



PTS System



S 2 M

S 2 M Ecoline

S 2 P

S 2 A

S 2 DC

| Technical Data | S 2 M | S 2 M Ecoline | S 2 P | S 2 A | S 2 DC |
|---------------------------------|-----------------|-----------------|-----------------|------------------|-----------------|
| Crimp force (kN / Ton) | 900 / 90 | 900 / 90 | 900 / 90 | 900 / 90 | 900 / 90 |
| No grease: 20% less friction | ✓ | ✓ | ✓ | ✓ | ✓ |
| SAE R 12 / 4SP* 1 piece fitting | 1 ¼" | 1 ¼" | 1 ¼" | 1 ¼" | 1 ¼" |
| SAE R 15 / 4SH* 2 piece fitting | 1" | 1" | 1" | 1" | 1" |
| Industrial | 1 ¼" | 1 ¼" | 1 ¼" | 1 ¼" | 1 ¼" |
| 90° Elbows | 1" | 1" | 1" | 1" | 1" |
| Max. Crimp range | 63 mm** | 63 mm** | 63 mm** | 63 mm** | 63 mm** |
| Opening | + 22 mm | + 22 mm | + 22 mm | + 22 mm | + 22 mm |
| Opening without dies | 77 mm | 77 mm | 77 mm | 77 mm | 77 mm |
| Master dies length (mm) | 75 mm | 75 mm | 75 mm | 75 mm | 75 mm |
| Type of dies | 263 | 263 | 263 | 263 | 263 |
| Speed (mm/sec) | | | | | |
| Close | - | - | 0,9 | 5,8 | 2,4 |
| Crimp | - | - | 0,9 | 0,6 | 0,2 |
| Drive | manual | manual | pneumatic | 1 Phase electric | 12VDC / 24VDC |
| Oil | 0,75 L | 0,75 L | 2 L | 1,5 L | 1,5 L |
| L x W x H (mm) | 500 x 420 x 440 | 170 x 220 x 330 | 380 x 400 x 310 | 450 x 450 x 350 | 450 x 450 x 450 |
| Weight | 32 kg | 31 kg | 33 kg | 41 kg | 41 kg |

* According to the fitting.

** With master dies.

Type of dies

| 263 | |
|------|------|
| Ø mm | -mm- |
| 6,8 | 40 |
| 9 | 75 |
| 12 | 75 |
| 14 | 75 |
| 17 | 75 |
| 20 | 75 |
| 24 | 75 |
| 28 | 75 |
| 32 | 75 |
| 36 | 75 |
| 40 | 75 |
| 44 | 75 |
| 47 | 75 |

Options



S2 M H and S2 M H Ecoline with special pump. (The low pressure delivery volume is around three times higher than the standard.)

Additional Information



On S2 M models, an optical signal is given when the crimp measure is reached. The electric and pneumatic variants have an automatic stop function.



Telescopic hand-lever available.



The powerful workshop crimper UA4 with its capability to crimp a wide range of hoses, up to 1 ¼ SAE R15 or 4 SH (even two-piece versions) offers maximum flexibility at a great value. The open, horizontally slidable compression dies spring open to facilitate crimping of short 90° fittings with long necks. Thanks to the standard-equipped 115 or 230 V single-phase power unit, the UA4 is ready for operation globally. This UNIFLEX crimper is also equipped with the legendary greaseless slide bearing technology.



UA 4

| |
|--|
| Easy to handle |
| Openly built for easy crimping of even 90° elbow pieces |
| Horizontally relocatable stamp for greater accessibility |
| Divided die sets for quick and easy changes |
| Powerful crimping tool |
| Makes crimping of hydraulic hoses possible with 1½" 1 piece and 1¼" 2 pieces 4SP |
| Compact Design |
| Fits in any workshop |
| Slide bearing technology |
| No greasing improves cleanliness of machine and prolongs its lifetime |
| Maximum productivity with very low maintenance costs |
| Flaking cannot stick in grease, no risk of prematurely damaging the crimping head |
| End product can be used in sanitary applications without cleaning |
| 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers |
| Consistently accurate crimp result |
| CE compliant |

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



QDS 280 B

Package = Machine
 + PB Ø 17,19,22,25,28,32,38,44,50
 + QDS 280 B

Accessories



TU Table



PTS System



Return stroke limiter.
280.7



UA 4



Divided, greaseless crimping die set.

| Technical Data | UA 4 |
|---------------------------------|----------------------|
| Crimp force (kN / Ton) | 1350/135 |
| No grease: 20% less friction | ✓ |
| SAE R 15 / 4SH* 1 piece fitting | 1 ¼" |
| SAE R 15 / 4SH* 2 piece fitting | 1" |
| SAE R 12 / 4SP* 2 piece fitting | 1 ¼" |
| Industrial | 1 ½" |
| 90° Elbows | 1 ¼" |
| Max. Crimp range | 57 mm + 8 mm (65 mm) |
| Opening | 15 mm |
| Opening without dies | 73 mm |
| Master dies length (mm) | 70 mm |
| Type of dies | PB 280 |
| Drive | 0,75 kW |
| Oil | 5 L |
| L x W x H (mm) | 380 x 390 x 500 |
| Weight of tool | 65 kg |
| Weight of power unit | 25 kg |

* According to the fitting.

Type of dies



| Ø mm | -mm- |
|------|------|
| 6,8 | 70 |
| 9 | 70 |
| 12 | 70 |
| 14 | 70 |
| 17 | 70 |
| 19 | 70 |
| 20 | 70 |
| 22 | 70 |
| 24 | 70 |
| 25 | 70 |
| 28 | 70 |
| 32 | 70 |
| 36 | 70 |
| 40 | 70 |
| 44 | 70 |
| 47 | 70 |
| 50 | 70 |
| 54 | 70 |
| 57 | 70 |



Hose holder:

Hose and dies move simultaneously.
No manual movement necessary.

Additional Information



Tools can be changed cleanly and rapidly using the divided crimping die set.



Easily accessible. The small, compact design makes the UA 4 easy to use and work around.



Easy crimping of elbow pieces.



As the unrivaled classic in the 1¼" field, with its narrow, innovative construction, high level of user friendliness, versatility and long service life, the HM 200 sets the unbeatable standard for quality and cost effectiveness. Its compact construction allows for ergonomic working. The use of solid master dies allows you to crimp all types of fittings with the greaseless slide bearing technology, which also reduces maintenance costs.



HM 200



HM 200 Ecoline

Large opening

Openly built for easy crimping of even 90° elbow pieces, without having to remove all the dies

Compact Design

Fits in any workshop

Ideal for on-site service

Slide bearing technology

No greasing improves cleanliness of machine and prolongs its lifetime

Maximum productivity with very low maintenance costs

Flaking cannot stick in grease, no risk of prematurely damaging the crimping head

End product can be used in sanitary applications without cleaning

20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers

Consistently accurate crimp result

ECOLINE Version

High quality for those new to crimping

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



QDS 239 B



QDC 239.5

Package = Machine

+ PB Ø 17, 20, 24, 28, 32, 40, 44, 50

+ QDS 239 B

+ QDC 239.5

Accessories



TA (A)



QDS 239 C



QDS 239 R



PTS



TU



LUS / LUF



TU Rack PB239



optional: PUU

HM 200

HM 200 Ecoline

| Technical Data | HM 200 | HM 200 Ecoline |
|---------------------------------|-----------------|-----------------------------------|
| Crimp force (kN / Ton) | 1300 / 130 | 1300 / 130 |
| No grease: 20% less friction | ✓ | ✓ |
| Control | Control A | Control A |
| SAE R 12 / 4SP* 1 piece fitting | 1 ½" | 1 ½" |
| SAE R 15 / 4SH* 2 piece fitting | 1" | 1" |
| SAE R 12 / 4SP* 2 piece fitting | 1 ¼" | 1 ¼" |
| Industrial | 2" | 2" |
| 90° Elbows | 1 ½" | 1 ½" |
| Max. Crimp range | 70 mm** | 70 mm** |
| Opening | + 30 mm | + 30 mm |
| Opening without dies | 100 mm | 100 mm |
| Master dies length (mm) | 75 mm | 75 mm |
| Type of dies | 239 | 239 |
| Speed (mm/sec) | | |
| Close | 3,5 | 3,5 |
| Crimp | 3,5 | 3,5 |
| Open | 5,9 | 5,9 |
| Noise level | 69 dBA | 69 dBA |
| Drive | 3 kW | 3 kW |
| Oil | 40 L | 40 L (DC 4 L) |
| L x W x H (mm) | 800 x 530 x 630 | 420 x 535 x 520 |
| Power Unit L x W x H (DC) | - | 300 x 450 x 560 (450 x 270 x 230) |
| Weight | 140 kg | 88 kg |
| Options | | |
| 12 VDC / 24 VDC | - | ✓ |
| 1 Phase | ✓ | 2,2 kW |

Type of dies

| 239 | |
|------|------|
| Ø mm | -mm- |
| 9 | 50 |
| 10 | 50 |
| 12 | 50 |
| 14 | 60 |
| 16 | 60 |
| 17 | 60 |
| 19 | 60 |
| 20 | 60 |
| 22 | 60 |
| 24 | 60 |
| 26 | 75 |
| 28 | 75 |
| 32 | 75 |
| 36 | 75 |
| 40 | 75 |
| 44 | 75 |
| 47 | 75 |
| 50 | 75 |
| 54 | 75 |
| 57 | 75 |
| 62 | 75 |

* According to the fitting. ** With master dies.

Additional Information



The micrometer allows you to easily set the crimping diameter.



The large opening stroke allows you to crimp all common types of fittings without changing the crimp dies.



The 12 VDC / 24 VDC units offer space- and weight-saving application options, e.g. for fitting service trucks.



A box with master dies is available in a package.



Due to its narrow and innovative construction, high level of user friendliness and long service life, the S 3 sets new standards for quality and cost effectiveness. Its compact construction allows for ergonomic working. The use of long master dies allows you to crimp 90° elbow fittings up to 1 ¼" with the tried and tested greaseless slide bearing technology, which reduces maintenance costs and increases the product quality.



S 3 Ecoline



S 3 Light DC

Large opening

Openly built for easy crimping of even 90° elbow pieces, without having to remove all the dies

Compact Design

Fits in any workshop

Slide bearing technology

No greasing improves cleanliness of machine and prolongs its lifetime

Maximum productivity with very low maintenance costs

Flaking cannot stick in grease, no risk of prematurely damaging the crimping head

End product can be used in sanitary applications without cleaning

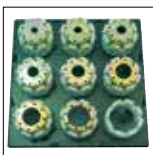
20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers

Consistently accurate crimp result

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



GDS 239 B



QDC 239.5

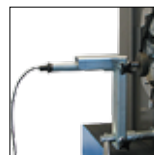
Package = Machine

+ PB Ø 17, 20, 24, 28, 32, 40, 44, 50

+ GDS 239 B

+ QDC 239.5

Accessories



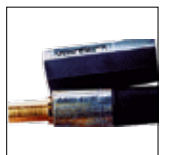
TA (A)



GDS 239 C



GDS 239 R



PTS



TU



LUS / LUF



TU Rack PB239



SHS



S 3 Ecoline



S 3 Light



S 3 Light DC

| Technical data | S 3 Ecoline | S 3 Light | S 3 Light DC |
|---------------------------------|-----------------|-----------------|-----------------|
| Crimp force (kN / Ton) | 1200 / 120 | 160 | 160 |
| No grease: 20% less friction | ✓ | ✓ | ✓ |
| Control | Control A | Control A | Control A |
| SAE R 12 / 4SP* 1 piece fitting | 1 ¼" | 1 ¼" | 1 ¼" |
| SAE R 15 / 4SH* 2 piece fitting | 1" | 1 ¼" | 1 ¼" |
| SAE R 12 / 4SP* 2 piece fitting | 1 ¼" | 1 ½" | 1 ½" |
| Industrial | 2" | 2" | 2" |
| 90° Elbows | 1 ½" | 1 ¼" | 1 ¼" |
| Max. Crimp range | 70 mm | 70 mm | 70 mm |
| Opening | + 35 mm | + 27 mm | + 27 mm |
| Opening without dies | 105 mm | 97 mm | 97 mm |
| Master dies length (mm) | 100 mm | 100 mm | 100 mm |
| Type of dies | 239-xx-Ø | 239-xx-Ø | 239-xx-Ø |
| Speed (mm/sec) | | | |
| Close | 4,0 | 2,0 | 1,5 |
| Crimp | 4,0 | 2,0 | 0,4 |
| Open | 6,5 | 7,6 | 5,7 |
| Noise level | 69 dBA | 69 dBA | 69 dBA |
| Drive | 3 kW | 3 kW | 1,8 kW |
| Oil | 35 L | 35 L | 4 L |
| L x W x H (mm) | 592 x 545 x 672 | 600 x 550 x 630 | 430 x 370 x 440 |
| Weight | 150 kg | 150 kg | 110 kg |
| Options | | | |
| 12 VDC / 24 VDC | - | - | ✓ |
| 1 Phase | ✓ | ✓ | ✓ |

Type of dies

| 239-xx-Ø-yy | |
|-------------|------|
| Ø mm | -mm- |
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 65 |
| 14 | 65 |
| 16 | 65 |
| 17 | 65 |
| 19 | 65 |
| 20 | 65 |
| 22 | 65 |
| 24 | 65 |
| 26 | 65 |
| 28 | 80 |
| 30 | 80 |
| 31 | 80 |
| 32 | 80 |
| 36 | 80 |
| 38 | 80 |
| 39 | 80 |
| 40 | 80 |
| 44 | 80 |
| 47 | 100 |
| 50 | 100 |
| 54 | 100 |
| 57 | 100 |
| 62 | 100 |

* According to the fitting.

Additional Information



The S 3 series is fitted with the clean slide bearing technology.



The S 3 series can be used to crimp short 90° elbow fittings with a long drop. This is impossible for other conventional machines.



With the double pin connection, it is possible to crimp on the front and rear sides of S3 series machines. (not the light model)



The 12 VDC / 24 VDC units offer space- and weight-saving application options, e.g. for fitting service trucks.



As the unrivaled classic in the 1¼" field, with its narrow, innovative construction, high level of user friendliness, versatility and long service life, the S 4 sets the unbeatable standard for quality and cost effectiveness. Its compact construction allows for ergonomic working. The use of solid master dies allows you to crimp all types of fittings with the tried and tested greaseless slide bearing technology, which reduces maintenance costs and increases the product quality.



S 4 C.2



S 4 Ecoline



S 4 DC

Large opening

Openly built for easy crimping of even 90° elbow pieces, without having to remove all the dies

Compact Design

Fits in any workshop

Slide bearing technology

- No greasing improves cleanliness of machine and prolongs its lifetime
- Maximum productivity with very low maintenance costs
- Flaking cannot stick in grease, no risk of prematurely damaging the crimping head
- End product can be used in sanitary applications without cleaning
- 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers
- Consistently accurate crimp result

ECOLINE Version

High quality for those new to crimping

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



QDS 239 B



QDC 239.5

- Package = Machine
 + PB Ø 17, 20, 24, 28, 32, 40, 47, 54, 62
 + QDS 239 B
 + QDC 239.5

Accessories



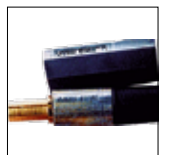
TA (A)



QDS 239 C



QDS 239 R



PTS



TU



LUS / LUF



TU Rack PB239



SHS




S 4 Ecoline

S 4 C.2

S 4 DC

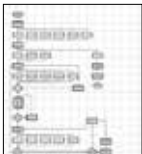
| Technical data | S 4 Ecoline | S 4 C.2 | S 4 DC |
|---------------------------------|-----------------|----------------------|-----------------|
| Crimp force (kN / Ton) | 1800 / 180 | 1800 / 180 | 1800 / 180 |
| No grease: 20% less friction | ✓ | ✓ | ✓ |
| Control | Control A | Control C. 2 + Touch | Control A |
| SAE R 12 / 4SP* 1 piece fitting | 2" | 2" | 2" |
| SAE R 15 / 4SH* 2 piece fitting | 1 ½" | 1 ½" | 1 ½" |
| SAE R 12 / 4SP* 2 piece fitting | 2" | 2" | 2" |
| Industrial | 2" | 2" | 2" |
| 90° Elbows | 1 ½" | 1 ½" | 1 ½" |
| Max. Crimp range | 70 mm | 70 mm | 70 mm |
| Opening | + 35 mm | + 35 mm | + 35 mm |
| Opening without dies | 105 mm | 105 mm | 105 mm |
| Master dies length (mm) | 100 mm | 100 mm | 100 mm |
| Type of dies | 239 - xx | 239 - xx | 239 - xx |
| Speed (mm/sec) | | | |
| Close | 2,7 | 2,7 | 0,8 |
| Crimp | 2,7 | 2,7 | 0,8 |
| Open | 4,7 | 4,7 | 1,3 |
| Noise level | 69 dBA | 69 dBA | 69 dBA |
| Drive | 3 kW | 3 kW | 1,8 kW |
| Oil | 35 L | 35 L | 4 L |
| L x W x H (mm) | 592 x 545 x 672 | 720 x 600 x 672 | 509 x 430 x 485 |
| Weight | 160 kg | 203 kg | 132 kg |
| Options | | | |
| 12 VDC / 24 VDC | - | - | ✓ |
| 1~ VAC | ✓ | ✓ | - |

| Type of dies | |
|--|------|
|  239-xx-θ-yy | |
| Ø mm | -mm- |
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 65 |
| 14 | 65 |
| 16 | 65 |
| 17 | 65 |
| 19 | 65 |
| 20 | 65 |
| 22 | 65 |
| 24 | 65 |
| 26 | 65 |
| 28 | 80 |
| 30 | 80 |
| 31 | 80 |
| 32 | 80 |
| 36 | 80 |
| 38 | 80 |
| 39 | 80 |
| 40 | 80 |
| 44 | 80 |
| 47 | 100 |
| 50 | 100 |
| 54 | 100 |
| 57 | 100 |
| 62 | 100 |

* According to the fitting.

C.2 Control: Accessories

Additional Information



Customized software



Electronic caliper



Calibration mandrel



Barcode scanner



The S4 series is fitted with the clean slide bearing technology.



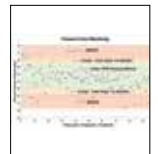
The S 4 series can be used to crimp short 90° elbow fittings with a long drop. This is impossible for other conventional machines.



With the double pin connection, it is possible to crimp on the front and rear sides of S 4 series machines.



The 12 VDC / 24 VDC units offer space- and weight-saving deployment options, e.g. for fitting service trucks.



PFM included with C.2 Control



PS Double foot pedal



UTS/UDL



ULS



807.2



Due to its narrow, innovative construction, high level of user friendliness, and long service life, the S 7 sets the standard for quality and cost effectiveness. Balanced weight and compact engineered design make the S 7 perfect for workshops and on-site service up to 2". The tried and tested greaseless slide bearing technology reduces maintenance costs and increases the product quality.



S 7

Compact Design

Fits in any workshop

Slide bearing technology

No greasing improves cleanliness of machine and prolongs its lifetime

Maximum productivity with very low maintenance costs

Flaking cannot stick in grease, no risk of prematurely damaging the crimping head

End product can be used in sanitary applications without cleaning

20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers

Consistently accurate crimp result.

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



QDS 239 B



QDC 239.5

Package = Machine

- + PB 17, 20, 24, 28, 32, 40, 44, 50, 57, 71
- + 265.239 L
- + QDS 239 B
- + QDC 239.5




The lightest mobile 2" Service crimper.
Only 90 kg with dies. 2" 4 SP.
Also available in 12 VDC / 24 VDC.




S 7 | S 7 DC

| Technical data | S 7 S 7 DC |
|---------------------------------|-----------------|
| Crimp force (kN / Ton) | 2400 / 240 |
| No grease: 20% less friction | ✓ |
| Control | Control A |
| SAE R 15* / 4SH 1 piece fitting | 2" |
| 4SH* 2 piece fitting | 2" |
| SAE R 15* 2 piece fitting | 1 ½" |
| Industrial | 2" |
| 90° Elbows | 1 ½" |
| Max. Crimp range | 82 mm |
| Opening | + 24 mm |
| Opening without dies | 110 mm |
| Master dies length (mm) | 100 mm |
| Type of dies | 239 - xx / 265 |
| Speed (mm/sec) | |
| Close | Manual |
| Crimp | 0,42 |
| Open | Manual |
| Noise level | 70 dBA |
| Drive | 0,75 kW |
| Oil | 2,3 L |
| L x W x H (mm) | 430 x 367 x 682 |
| Weight | 77 kg |
| Options | |
| 12 VDC / 24 VDC | ✓ |
| 1 Phase | ✓ |
| 3 Phase | ✓ |

* According to the fitting.

| Type of dies | |
|---|--------------------|
|  | 239-xx-β-yy |
| Ø mm | -mm- |
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 65 |
| 14 | 65 |
| 16 | 65 |
| 17 | 65 |
| 19 | 65 |
| 20 | 65 |
| 22 | 65 |
| 24 | 65 |
| 26 | 65 |
| 28 | 80 |
| 30 | 80 |
| 31 | 80 |
| 32 | 80 |
| 36 | 80 |
| 38 | 80 |
| 39 | 80 |
| 40 | 80 |
| 44 | 80 |
| 47 | 100 |
| 50 | 100 |
| 54 | 100 |
| 57 | 100 |
| 62 | 100 |

| Type of dies | |
|---|------------|
|  | 265 |
| Ø mm | -mm- |
| 54 | 90 |
| 57 | 90 |
| 62 | 90 |
| 67 | 90 |
| 71 | 100 |
| 74 | 100 |

Accessories



TU Work Bench



PTS System

Additional Information



The micrometer allows you to easily set the crimping dimensions.



The QDS 239 B is available in the package.



Manual closing.



The lightest mobile 2" Service crimper. Also available in 12 VDC / 24 VDC.



Due to its narrow and innovative construction, high level of user friendliness and long service life, the S 6 sets new standards for quality and cost effectiveness. Its compact construction allows for ergonomic working. The use of long master dies allows you to crimp 90° elbow fittings up to 2" with the tried and tested greaseless slide bearing technology, which reduces maintenance costs and increases the product quality.



S 6

| |
|--|
| Large opening |
| Openly built for easy crimping of even 90° elbow pieces, without having to remove all the dies |
| Big crimping tool |
| Crimping of 3" industry hoses is possible |
| Compact Design |
| Fits in any workshop |
| Slide bearing technology |
| No greasing improves cleanliness of machine and prolongs its lifetime |
| Maximum productivity with very low maintenance costs |
| Flaking cannot stick in grease, no risk of prematurely damaging the crimping head |
| End product can be used in sanitary applications without cleaning |
| 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers |
| Consistently accurate crimp result |
| ECOLINE Version |
| High quality for those new to crimping |
| CE compliant |



S 6 Ecoline



S 6 Light DC



S 6 Ecoline C.2

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package

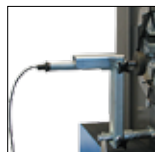
Accessories



QDS 239 B



QDC 239.5



TA (A)



QDS 239 C



QDS 239 R



QDS 239 S



PS Double foot pedal
(Only S 6. Not Ecoline & light models).

Package = Machine

- + PB Ø 17, 20, 24, 28, 32, 40, 44, 50, 57, 71
- + 266.239L
- + QDC 239.5
- + QDS 239 B



TU Work Bench



LUS / LUF



TU Rack PB239



SHS



PTS



S 6

S 6 Light

S 6 Light DC

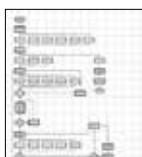
| Technical data | S 6 Ecoline | S 6 | S 6 Light | S 6 Light DC |
|---------------------------------|-----------------|------------------|-----------------|-----------------|
| Crimp force | 2000 / 200 | 2000 / 200 | 2400 / 240 | 2400 / 240 |
| No grease: 20% less friction | ✓ | ✓ | ✓ | ✓ |
| Control | Control A | Control A | Control A | Control A |
| SAE R 15* / 4SH 1 piece fitting | 2" | 2" | 2" | 2" |
| 4 SH* 2 piece fitting | 2" | 2" | 2" | 2" |
| SAE R 15* 2 piece fitting | 1 ½" | 1 ½" | 1 ½" | 1 ½" |
| Industrial | 3" | 3" | 3" | 3" |
| 90° Elbows | 2" | 2" | 2" | 2" |
| Crimp range | 100 mm | 100 mm | 100 mm | 100 mm |
| Opening | + 45 mm | + 45 mm | + 41 mm | + 41 mm |
| Opening without dies | 147 mm | 147 mm | 143 mm | 143 mm |
| Master dies length (mm) | 110 mm | 110 mm | 110 mm | 110 mm |
| Type of dies | 239 - xx / 266 | 239 - xx / 266 | 239 - xx / 266 | 239 - xx / 266 |
| Speed (mm/sec) | | | | |
| Close | 4,9 | 9,7 | 1,5 | 1,1 |
| Crimp | 2,3 | 2,2 | 1,5 | 0,3 |
| Open | 8,2 | 16 | 8,7 | 6,5 |
| Noise level | 69 dBA | 69 dBA | 69 dBA | 69 dBA |
| Drive | 4 kW | 4 kW | 3 kW | 1,8 kW |
| Oil | 50 L | 70 L | 35 L | 4 L |
| L x W x H (mm) | 700 x 600 x 735 | 690 x 600 x 1350 | 600 x 550 x 750 | 505 x 430 x 490 |
| Weight | 248 kg | 374 kg | 190 kg | 145 kg |
| Options | | | | |
| 12 VDC / 24 VDC | - | - | - | ✓ |
| 1 Phase | ✓ | - | ✓ | - |
| 3 Phase | ✓ | ✓ | ✓ | - |
| C.2 Control | ✓ | ✓ | - | - |

| Type of dies | | |
|--------------|------|------------|
| Ø mm | -mm- | -mm- |
| | | 266 |
| 6,8 | 50 | |
| 9 | 50 | |
| 10 | 50 | |
| 12 | 65 | |
| 14 | 65 | |
| 16 | 65 | |
| 17 | 65 | |
| 19 | 65 | |
| 20 | 65 | |
| 22 | 65 | |
| 24 | 65 | |
| 26 | 65 | |
| 28 | 80 | |
| 30 | 80 | |
| 31 | 80 | |
| 32 | 80 | |
| 36 | 80 | |
| 38 | 80 | |
| 39 | 80 | |
| 40 | 80 | |
| 44 | 80 | |
| 47 | 100 | |
| 50 | 100 | |
| 54 | 100 | |
| 57 | 100 | |
| 62 | 100 | 110 |
| 67 | | 110 |
| 71 | | 110 |
| 74 | | 110 |
| 78 | | 110 |
| 84 | | 110 |
| 86 | | 110 |
| 92 | | 110 |

* According to the fitting. ** Intermediate dies not required: only S 6.

C.2 Control: Accessories

Additional Information



Customized software



Electronic caliper



Calibration mandrel



Barcode scanner



The micrometer allows you to easily set the crimping dimensions.



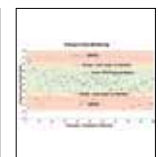
The S 6 series can be used to crimp short 90° elbow fittings with a long drop. This is impossible for other conventional machines.



The new, user-friendly Control C.2 is available as an option.



The 12 VDC / 24 VDC units offer space- and weight-saving deployment options, e.g. for fitting service trucks.



PFM included with C.2 Control



PS Double foot pedal



UTS/UDL



ULS



807.2



Due to its narrow and innovative construction, high level of user friendliness and long service life, the S 8 i / 10 i sets new standards for quality and cost effectiveness. Its compact construction allows for ergonomic working. The use of long master dies allows you to crimp 90° elbow fittings up to 2" with the tried and tested greaseless slide bearing technology, which reduces maintenance costs and increases the product quality.



S 8 i Ecoline + S 10 i Ecoline



S 8 i + S 10 i



S 8 i C.2 + S 10 i C.2

| |
|--|
| Large opening |
| Openly built for easy crimping of even 90° elbow pieces, without having to remove all the dies |
| Big crimping tool |
| Crimping of 4" industry hoses is possible |
| Compact Design |
| Fits in any workshop |
| Slide bearing technology |
| No greasing improves cleanliness of machine and prolongs its lifetime |
| Maximum productivity with very low maintenance costs |
| Flaking cannot stick in grease, no risk of prematurely damaging the crimping head |
| End product can be used in sanitary applications without cleaning |
| 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers |
| Consistently accurate crimp result |
| ECOLINE Version |
| High quality for those new to crimping |
| CE compliant |

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



QDS 239 B

QDC 239.5

- Package = Machine
- + PB Ø 17, 20, 24, 28, 32, 40, 44, 50, 57, 71
- + 237L.239.2
- + QDS 239 B
- + QDC 239.5

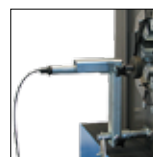
Accessories



QDS 239 C



QDS 239 S



TA



TU Rack PB239



PS Double foot pedal
(not Ecoline model).



SHS



PTS



LUS / LUF



Oil Cooler (OC S3/4/6/8/10)



S 8 i

S 10 i

S 8 i Ecoline | S 10 i Ecoline

| Technical data | S 8 i | S 8 i Ecoline | S 10 i | S 10 i Ecoline |
|---------------------------------|------------------|------------------|------------------|------------------|
| Crimp force | 2200 / 220 | 2200 / 220 | 2800 / 280 | 2800 / 280 |
| No grease: 20% less friction | ✓ | ✓ | ✓ | ✓ |
| Control | Control A | Control A | Control A | Control A |
| SAE R 15* / 4SH 1 piece fitting | 2" | 2" | 2" | 2" |
| 4 SH* 2 piece fitting | 2" | 2" | 2" | 2" |
| SAE R 15* 2 piece fitting | 1 ½" | 1 ½" | 2" | 2" |
| Industrial | 4" | 4" | 4" | 4" |
| 90° Elbows | 2" | 2" | 2" | 2" |
| Max. Crimp range | 139 mm | 139 mm | 139 mm | 139 mm |
| Opening | + 45 mm | + 45 mm | + 45 mm | + 45 mm |
| Opening without dies | 190 mm | 190 mm | 190 mm | 190 mm |
| Master dies length (mm) | 126 mm | 126 mm | 126 mm | 126 mm |
| Type of dies | 239-xx / 237 L** | 239-xx / 237 L** | 239-xx / 237 L** | 239-xx / 237 L** |
| Speed (mm/sec) | | | | |
| Close | 6,1 | 4,8 | 6,1 | 4,8 |
| Crimp | 1,7 | 2,3 | 1,7 | 2,3 |
| Open | 10,3 | 7,9 | 10,3 | 7,9 |
| Noise level | 63 dBA | 63 dBA | 63 dBA | 63 dBA |
| Drive | 4 kW | 4 kW | 5,5 kW | 4 kW |
| Oil | 55 L | 50 L | 55 L | 50 L |
| L x W x H (mm) | 690 x 600 x 1400 | 700 x 600 x 845 | 690 x 600 x 1400 | 700 x 600 x 845 |
| Weight | 390 kg | 372 kg | 390 kg | 372 kg |
| Options | | | | |
| Control C.2 | ✓ | - | ✓ | - |

| Type of dies | |
|--------------|--------------------|
| | 239-xx-β-yy |
| ∅ mm | -mm- |
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 65 |
| 14 | 65 |
| 16 | 65 |
| 17 | 65 |
| 19 | 65 |
| 20 | 65 |
| 22 | 65 |
| 24 | 65 |
| 26 | 65 |
| 28 | 80 |
| 30 | 80 |
| 31 | 80 |
| 32 | 80 |
| 36 | 80 |
| 38 | 80 |
| 39 | 80 |
| 40 | 80 |
| 44 | 80 |
| 47 | 100 |
| 50 | 100 |
| 54 | 100 |
| 57 | 100 |
| 62 | 100 |

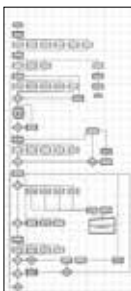
| Type of dies | |
|--------------|--------------|
| | 237 L |
| ∅ mm | -mm- |
| 54 | 118 |
| 57 | 118 |
| 62 | 118 |
| 67 | 118 |
| 71 | 118 |
| 74 | 118 |
| 78 | 118 |
| 84 | 118 |
| 86 | 118 |
| 90 | 118 |
| 96 | 118 |
| 103 | 118 |
| 106 | 126 |
| 111 | 126 |
| 116 | 126 |
| 121 | 126 |
| 126 | 126 |
| 131 | 126 |

* According to the fitting.

** Intermediate dies not required.

C.2 Control: Accessories

Additional Information



Customized software



Electronic caliper



Calibration mandrel



Barcode scanner



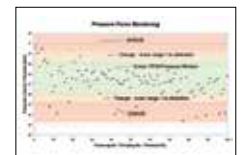
PS Double foot pedal



The S 8 / 10 series is fitted with the clean slide bearing technology.



The micrometer allows you to easily set the crimping dimensions.



PFM included with C.2 Control.



UTS/JDL



ULS



807.2

Due to its narrow and innovative construction, high level of user friendliness and long service life, the S 8 i x l / 10 i x l sets new standards for quality and cost effectiveness. Its large opening (+61 mm) fits industrial hoses with large flanges. The use of long master dies allows you to crimp 90° elbow fittings up to 2" with the tried and tested greaseless slide bearing technology, which reduces maintenance costs and increases the product quality.



S 8 i x l Ecoline + S 10 i x l Ecoline



S 8 i x l + S 10 i x l



S 8 i x l C.2 + S 10 i x l C.2

| |
|--|
| Large opening |
| Openly built for easy crimping of even 90° elbow pieces, without having to remove all the dies |
| Big crimping tool |
| Crimping of 4" industry hoses is possible |
| Compact Design |
| Fits in any workshop |
| Slide bearing technology |
| No greasing improves cleanliness of machine and prolongs its lifetime |
| Maximum productivity with very low maintenance costs |
| Flaking cannot stick in grease, no risk of prematurely damaging the crimping head |
| End product can be used in sanitary applications without cleaning |
| 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers |
| Consistently accurate crimp result |
| ECOLINE Version |
| High quality for those new to crimping |
| CE compliant |

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



GDS 239 B



GDC 239.5

Package = Machine
 + PB Ø 17, 20, 24, 28, 32, 40, 44, 50, 57, 71
 + 237L.239.2
 + GDS 239 B
 + GDC 239.5

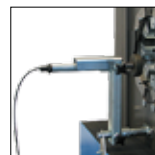
Accessories



GDS 239 C



GDS 239 S



TA



TU Rack PB239



PS Double foot pedal
 (not Ecoline model).



SHS



PTS



LUS / LUF



Oil Cooler (OC S3/4/6/8/10)





S 8 i xl

S 10 i xl

S 8 i xl Ecoline | S 10 i xl Ecoline

| Technical data | S 8 i xl | S 8 i xl Ecoline | S 10 i xl | S 10 i xl Ecoline |
|---------------------------------|--------------------|--------------------|--------------------|--------------------|
| Crimp force | 2200 / 220 | 2200 / 220 | 2800 / 280 | 2800 / 280 |
| No grease: 20% less friction | ✓ | ✓ | ✓ | ✓ |
| Control | Control A | Control A | Control A | Control A |
| SAE R 15* / 4SH 1 piece fitting | 2" | 2" | 2" | 2" |
| 4 SH* 2 piece fitting | 2" | 2" | 2" | 2" |
| SAE R 15* 2 piece fitting | 1 1/2" | 1 1/2" | 2" | 2" |
| Industrial | 4" | 4" | 4" | 4" |
| 90° Elbows | 2" | 2" | 2" | 2" |
| Max. Crimp range | 139 mm | 139 mm | 139 mm | 139 mm |
| Opening | + 61 mm | + 61 mm | + 61 mm | + 61 mm |
| Opening without dies | 200 mm | 200 mm | 200 mm | 200 mm |
| Master dies length (mm) | 126 mm | 126 mm | 126 mm | 126 mm |
| Type of dies | 239-xx-Ø / 237 L** | 239-xx-Ø / 237 L** | 239-xx-Ø / 237 L** | 239-xx-Ø / 237 L** |
| Speed (mm/sec) | | | | |
| Close | 6,0 | 3,0 | 6,0 | 3,0 |
| Crimp | 1,4 | 1,4 | 1,4 | 1,4 |
| Open | 1,7 | 8,5 | 1,7 | 8,5 |
| Noise level | 63 dBA | 63 dBA | 63 dBA | 63 dBA |
| Drive | 4 kW | 4 kW | 5,5 kW | 4 kW |
| Oil | 70 L | 50 L | 70 L | 50 L |
| L x W x H (mm) | 570 x 720 x 1400 | 630 x 700 x 850 | 570 x 720 x 1400 | 630 x 700 x 850 |
| Weight | | | | |
| Options | | | | |
| Control C.2 | ✓ | - | ✓ | - |

| Type of dies | |
|---|--------------------|
|  | 239-xx-Ø-yy |
| Ø mm | -mm- |
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 65 |
| 14 | 65 |
| 16 | 65 |
| 17 | 65 |
| 19 | 65 |
| 20 | 65 |
| 22 | 65 |
| 24 | 65 |
| 26 | 65 |
| 28 | 80 |
| 30 | 80 |
| 31 | 80 |
| 32 | 80 |
| 36 | 80 |
| 38 | 80 |
| 39 | 80 |
| 40 | 80 |
| 44 | 80 |
| 47 | 100 |
| 50 | 100 |
| 54 | 100 |
| 57 | 100 |
| 62 | 100 |

| Type of dies | |
|---|--------------|
|  | 237 L |
| Ø mm | -mm- |
| 54 | 118 |
| 57 | 118 |
| 62 | 118 |
| 67 | 118 |
| 71 | 118 |
| 74 | 118 |
| 78 | 118 |
| 84 | 118 |
| 86 | 118 |
| 90 | 118 |
| 96 | 118 |
| 103 | 118 |
| 106 | 126 |
| 111 | 126 |
| 116 | 126 |
| 121 | 126 |
| 126 | 126 |
| 131 | 126 |

* According to the fitting.

** Intermediate dies not required.

C.2 Control: Accessories

Additional Information



Customized software



Electronic caliper



Calibration mandrel



Barcode scanner



PS Double foot pedal



UTS/JDL



ULS



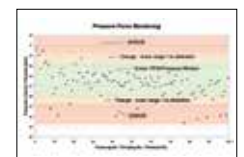
807.2



The S 8 / 10 series is fitted with the clean slide bearing technology.



The micrometer allows you to easily set the crimping dimensions.



PFM included with C.2 Control.



Production Crimpers

Innovative, productive and durable.



Greaseless

Slide bearings on the crimp tool improve efficiency up to 20%, reduce friction and help keep the tool free of contaminants.



Universal

For all types of hoses and fittings.



Fixed 6-o'clock die

Stationary bottom die for efficient positioning of the product.



Low Noise

Very quiet hydraulic system.



Ergonomic

Ease of operator use for maximum productivity.







Due to its narrow and innovative construction, high level of user friendliness, and long service life, the HM 3 H sets new standards for quality and cost effectiveness. Thanks to its compact construction, it allows easy, uncomplicated, and “fast” crimping. The intuitive UNIFLEX Software on the convenient CONTROL C.2 Touch completes the HM 3 H and ensures product quality.



HM 3 H

Engineered solutions using quality components

- Smaller machine increases ergonomics
- Full length of fittings crimped in one stroke increases product quality and production efficiency
- Noiseless high-quality pump

Slide bearing technology

- No greasing improves cleanliness of machine and prolongs its lifetime
- Maximum productivity with very low maintenance costs
- Flaking cannot stick in grease, no risk of prematurely damaging the crimping head
- End product can be used in sanitary applications without cleaning
- 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers
- Consistently accurate crimp result

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



GDS 239 B

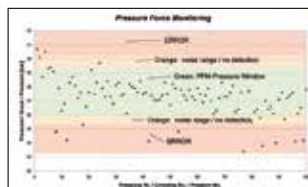


GDC 239.5

- Package = Machine
- + PB Ø 17, 20, 24, 28, 32, 40, 44, 50
- + QDC 239.5
- + GDS 239 B
- + Control C.2

Pressure Force Monitoring

PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing. Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety.

This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.

Accessories



TU Work Bench



SHS



HM 3 H

| Technical data | HM 3 H |
|----------------------------------|---------------------|
| Crimp force (kN / Ton) | 700 / 70 |
| No grease: 20% less friction | ✓ |
| Control | Control C.2 + Touch |
| SAE R 12 / 4SP* 2 piece fitting* | 1" |
| 4 SH* 2 piece fitting* | 3/4" |
| SAE R 15* 2 piece fitting* | 3/4" |
| Industrial* | 2" |
| 90° Elbows* | 1 1/2" |
| Max. Crimp range | 70 mm |
| Opening | + 35 mm |
| Opening without dies | 105 mm |
| Master dies length (mm) | 100 mm |
| Type of dies | 239-xx-Ø-yy |
| Speed (mm/sec) | |
| Close | 8,6 |
| Crimp | 8,6 |
| Open | 10,5 |
| Noise level | 53 dBA |
| Drive | 5,5 kW |
| Oil | 50 L |
| L x W x H (mm) | 720 x 600 x 672 |
| Weight | 193 kg |

Type of dies

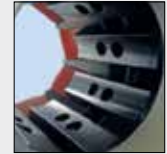
| 239-xx-Ø-yy | |
|-------------|------|
| Ø mm | -mm- |
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 65 |
| 14 | 65 |
| 16 | 65 |
| 17 | 65 |
| 19 | 65 |
| 20 | 65 |
| 22 | 65 |
| 24 | 65 |
| 26 | 65 |
| 28 | 80 |
| 30 | 80 |
| 31 | 80 |
| 32 | 80 |
| 36 | 80 |
| 38 | 80 |
| 39 | 80 |
| 40 | 80 |
| 44 | 80 |
| 47 | 100 |
| 50 | 100 |
| 54 | 100 |
| 57 | 100 |
| 62 | 100 |

* According to the fitting.

Additional Information



A 90° elbow with long ending is no problem for the UNIFLEX HM 3 H. While our competition still searches, we have the solution.



With our two position holes-system, the insertion of all dies from both sides is easy and quick. You can also choose two different options to position your die set. The HM3H is compact and easily accessible.

Accessories

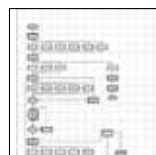
C.2 Control: Accessories



GDS 239 R



TU Rack PB239

Oil Cooler
(n° OC HM xxx)Customized
software

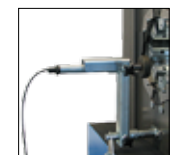
Electronic caliper



Calibration mandrel



Barcode scanner



TA (A)



PTS



LUS / LUF



PS Double foot pedal



UTS/UDL



ULS



807.2



Due to their narrow, innovative construction, high level of user friendliness, and long service life, the HM 220 and HM 225 set the standard for quality and cost effectiveness. Their unrivaled accessibility makes ergonomic working possible – optionally from both sides – in production and series manufacture. The tried and tested greaseless slide bearing technology reduces maintenance costs, and the strong crimping force of up to 1400 /1600 kN is rated for widths up to 1¼“.



HM 225

Engineered solutions using quality components

- Smaller machine increases ergonomics
- HiLo cylinder - Maximum efficiency causing less heat
- Noiseless high-quality pump

Fixed 6- o'clock die

- Workpiece does not move, making it easier to position laterally
- Increases productivity, driving up profitability
- Reduces risk for injuries

Slide bearing technology

- No greasing improves cleanliness of machine and prolongs its lifetime
- Maximum productivity with very low maintenance costs
- Flaking cannot stick in grease, no risk of prematurely damaging the crimping head
- End product can be used in sanitary applications without cleaning
- 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers
- Consistently accurate crimp result

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



GDS 239 B



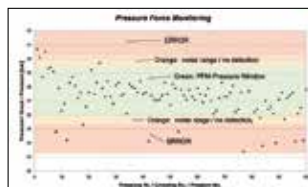
GDC 239.5

Package = Machine

- (HM 225) + PB Ø 17, 20, 24, 28, 32, 40, 44, 47, 50, 62
- (HM 220) + PB Ø 17, 20, 25, 28, 32, 40, 44, 50
- + GDS 239 B + GDC 239.5
- +Control C.2

Pressure Force Monitoring

PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing. Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety.

This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.

Accessories



GDS 239 C



PTS



optional: QDS 239 S

HM 220

HM 225

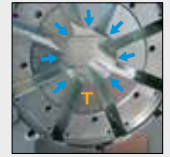
Additional Information



The clear Control C.2 and the optional UTS software provide complete documentation of production data, including the timestamp.



The compact, narrow and ergonomic construction makes working on both sides possible.



The fixed 6-o'clock die makes safe and low-force positioning of the workpiece possible, which improves cost effectiveness as well as safety.

| Technical data | HM 220 | HM 225 |
|----------------------------------|---------------------|---------------------|
| Crimp force (kN / Ton) | 1350 / 135 | 1600 / 160 |
| No grease: 20% less friction | ✓ | ✓ |
| Control | Control C.2 + Touch | Control C.2 + Touch |
| SAE R 15 / 4SH* 1 piece fitting* | 1 1/4" | 1 1/4" |
| 4 SH* 2 piece fitting* | 1" | 1 1/4" |
| SAE R 15* 2 piece fitting* | 1" | 1 1/4" |
| Industrial* | 2" | 2" |
| 90° Elbows* | 1 1/2" | 1 1/2" |
| Max. Crimp range | 70 mm | 70 mm |
| Opening | + 35 mm | + 40 mm |
| Opening without dies | 105 mm | 110 mm |
| Master dies length (mm) | 75 mm | 90 mm |
| Type of dies | 239 | 239 -xx-θ-yy |
| Speed (mm/sec) | | |
| Close | 10 | 19 |
| Crimp | 5 | 1,5 |
| Open | 10 | 19 |
| Noise level | 53 dBA | 53 dBA |
| Drive | 5,5 kW | 5,5 kW |
| Oil | 80 L | 80 L |
| L x W x H (mm) | 645 x 560 x 1450 | 645 x 560 x 1470 |
| Weight | 310 kg | 470 kg |

* According to the fitting

| Type of dies | |
|--------------|--------------------|
| | 239-xx-θ-yy |
| ∅ mm | -mm- |
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 50 |
| 14 | 50 |
| 16 | 65 |
| 17 | 65 |
| 19 | 65 |
| 20 | 65 |
| 22 | 65 |
| 24 | 65 |
| 26 | 65 |
| 28 | 80 |
| 30 | 80 |
| 31 | 80 |
| 32 | 80 |
| 36 | 80 |
| 38 | 80 |
| 39 | 80 |
| 40 | 80 |
| 44 | 80 |
| 47 | 100 |
| 50 | 100 |
| 54 | 100 |
| 57 | 100 |
| 62 | 100 |

| Type of dies | |
|--------------|------------|
| | 239 |
| ∅ mm | -mm- |
| 6,8 | |
| 9 | 50 |
| 12 | 50 |
| 14 | 60 |
| 16 | 60 |
| 17 | 60 |
| 19 | 60 |
| 20 | 60 |
| 22 | 60 |
| 24 | 60 |
| 26 | 75 |
| 28 | 75 |
| 30 | 75 |
| 31 | 75 |
| 32 | 75 |
| 36 | 75 |
| 38 | 75 |
| 39 | 75 |
| 40 | 75 |
| 44 | 75 |
| 47 | 75 |
| 50 | 75 |
| 54 | 75 |
| 57 | 75 |
| 62 | 75 |

Accessories

C.2 Control: Accessories



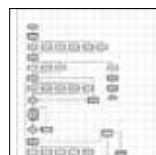
QDS 239 S



QDS 239 R



SHS



Customized software



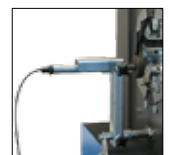
Electronic caliper



Calibration mandrel



Barcode scanner



TA (A)



LUS / LUF



Oil Cooler (n° OC HM xxx)



PS Double foot pedal



UTS/UDL



ULS



807.2

As reliable classic machines, the HM 3xx series unites all the outstanding properties of a production crimper. They are compact, powerful and make ergonomic working possible. Combining a convincingly solid construction with a high level of user friendliness, and long service life, the HM 3xx set a new standard for quality and cost effectiveness.



HM 325 | HM 375 | HM 380

Engineered solutions using quality components

- Smaller machine increases ergonomics
- HiLo cylinder - Maximum efficiency causing less heat
- Noiseless high-quality pump
- Full length of fittings crimped in one stroke increases product quality and production efficiency
- Lateral reinforcement optimizes overall tolerance

Fixed 6- o'clock die

- Workpiece does not move, making it easier to position laterally
- Increases productivity, driving up profitability
- Reduces risk for injuries

Slide bearing technology

- No greasing improves cleanliness of machine and prolongs its lifetime
- Maximum productivity with very low maintenance costs
- Flaking cannot stick in grease, no risk of prematurely damaging the crimping head
- End product can be used in sanitary applications without cleaning
- 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers
- Consistently accurate crimp result

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



GDS 239 B

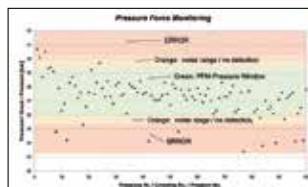


GDC 239.5

- Package = Machine
 + PB Ø 17, 20, 24, 28, 32, 40, 44, 50, 57, 71
 + 237.239.2L2
 + GDC 239.5
 + GDS 239 B
 + Control C.2

Pressure Force Monitoring

PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing. Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety.

This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.

Accessories



PTS



LUS / LUF



HM 325 | HM 375 | HM 380

Additional Information



The compact, narrow and ergonomic construction makes working on both sides possible.



The fixed 6-o'clock die makes safe and low-force positioning of the workpiece possible, which improves cost effectiveness as well as safety.



With the Barcode Scanner you can scan articles quickly and efficiently.

| Technical data | HM 325 | HM 375 | HM 380 |
|---|---------------------|---------------------|---------------------|
| Crimp force (kN / Ton) | 2800 / 280 | 3150 / 315 | 3400 / 340 |
| No grease: 20% less friction | ✓ | ✓ | ✓ |
| Control | Control C.2 + Touch | Control C.2 + Touch | Control C.2 + Touch |
| SAE R 15 / 4SH* 1 piece fitting* | 2" | 3" | 3" |
| SAE R 15 / 4SH* 2 piece fitting* | 2" | 2 ½" | 3" |
| Industrial* | 4" (6")** | 4" (6")** | 4" (6")** |
| 90° Elbows* | 3" | 3" | 3" |
| Max. Crimp range** | 165 mm** | 165 mm** | 165 mm** |
| Opening | + 70 mm | + 70 mm | + 70 mm |
| Opening without dies | 215 mm | 215 mm | 215 mm |
| Master dies length (mm) | 126 mm | 126 mm | 126 mm |
| Type of dies | 239 L / 237 L | 239 L / 237 L | 239 L / 237 L |
| Speed (mm/sec) | | | |
| Close | 23 | 23 | 23 |
| Crimp | 1,4 | 1,4 | 1,3 |
| Open | 33 | 33 | 33 |
| Noise level | 69 dBA | 62 dBA | 62 dBA |
| Drive | 4 kW | 4 kW | 4 kW |
| Oil | 100 L | 100 L | 100 L |
| L x W x H (mm) | 1200 x 600 x 1700 | 1200 x 600 x 1700 | 1200 x 600 x 1700 |
| Weight | 750 kg | 750 kg | 750 kg |
| CGS (Conicity Guard System) | ✓ | ✓ | ✓ |
| HiDS (High Pressure Pump Dynamic Suction) | ✓ | ✓ | ✓ |

| Type of dies | |
|--------------|--------------------|
| | 239-xx-β-yy |
| Ø mm | -mm- |
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 65 |
| 14 | 65 |
| 16 | 65 |
| 17 | 65 |
| 19 | 65 |
| 20 | 65 |
| 22 | 65 |
| 24 | 65 |
| 26 | 65 |
| 28 | 80 |
| 30 | 80 |
| 31 | 80 |
| 32 | 80 |
| 36 | 80 |
| 38 | 80 |
| 39 | 80 |
| 40 | 80 |
| 44 | 80 |
| 47 | 100 |
| 50 | 100 |
| 54 | 100 |
| 57 | 100 |
| 62 | 100 |

| Type of dies | |
|--------------|-----------------|
| | 237 L*** |
| Ø mm | -mm- |
| 54 | 118 |
| 57 | 118 |
| 62 | 118 |
| 67 | 118 |
| 71 | 118 |
| 74 | 118 |
| 78 | 118 |
| 84 | 118 |
| 86 | 118 |
| 90 | 118 |
| 96 | 118 |
| 103 | 118 |
| 106 | 126 |
| 111 | 126 |
| 116 | 126 |
| 121 | 126 |
| 126 | 126 |
| 131 | 126 |

* According to the fitting.
** With master dies.

Accessories

C.2 Control: Accessories



QDS 239 S



QDS 239 C



QDS 239 R



Customized software



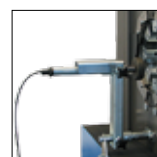
Electronic caliper



Calibration mandrel



Barcode scanner



TA (A)



OCS



SHS



Oil Cooler (n° OC HM xxx)



PS Double foot pedal



UTS/UDL



ULS



807.2

Due to their compact, all-round accessible construction, high level of user friendliness, and long service life, the HM 450, HM 480 and HM 495 set the standard for quality and cost effectiveness. The crimpers' particularly large opening stroke and the use of long master dies allow you to crimp all types of fittings and up to 12" industrial hoses.



HM 480

Engineered solutions using quality components

- Compact machine for ergonomic work
- HiLo cylinder - Maximum efficiency causing less heat
- Noiseless high-quality pump
- Long master dies to crimp all types of workpieces
- Full length of fittings crimped in one stroke increases product quality and production efficiency

Fixed 6- o'clock die

- Workpiece does not move, making it easier to position laterally
- Increases productivity, driving up profitability
- Reduces risk for injuries

Slide bearing technology

- No greasing improves cleanliness of machine and prolongs its lifetime
- Maximum productivity with very low maintenance costs
- Flaking cannot stick in grease, no risk of prematurely damaging the crimping head
- End product can be used in sanitary applications without cleaning
- 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers
- Consistently accurate crimp result

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package



GDS 239 B

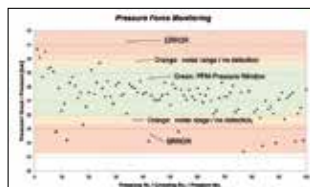


GDC 239.5

- Package = Machine
 + PB Ø 17,20,24,28,32,40,44,50,57,71
 + 237.239.2L2 + 245.237L
 + GDC 239.5 + GDS 239 B
 + Control C.2

Pressure Force Monitoring

PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing. Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety.

This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.

Accessories



PTS



Oil Cooler (n° OC HM xxx)



HM 450

HM 480 | HM 495

Additional Information



Due to the long master dies, you can crimp virtually all types of fittings.



The machines are very compact and narrow for a better work environment.

| Technical data | HM 450 | HM 480 | HM 495 |
|---|--------------------------|--------------------------|--------------------------|
| Crimp force (kN / Ton) | 4000/400 | 4500/450 | 6000/600 |
| No grease: 20% less friction | ✓ | ✓ | ✓ |
| Control | Control C.2 + Touch | Control C.2 + Touch | Control C.2 + Touch |
| SAE R 15 / 4SH* 1 piece fitting | 3" | 3" | 3" |
| SAE R 15 / 4SH* 2 piece fitting | 3" | 3" | 3" |
| Industrial | 6" (12")** | 8" (12")** | 8" (12")** |
| Elbows | 3" | 3" | 3" |
| Max. Crimp range | 310 mm | 310 mm | 310 mm |
| Opening | + 130 | + 150 | + 150 |
| Opening without dies | 360 mm | 380 mm | 380 mm |
| Master dies length (mm) | 150 mm | 150 mm | 150 mm |
| Type of dies | 245 / 237L / 239-xx-Ø-yy | 245 / 237L / 239-xx-Ø-yy | 245 / 237L / 239-xx-Ø-yy |
| Speed (mm/sec) | | | |
| Close | 19 | 18 | 17 |
| Crimp | 1,4 | 1,3 | 1,5 |
| Open | 39 | 20 | 20 |
| Noise level | 62 dBA | 62 dBA | 62 dBA |
| Drive | 5,5 kW | 5,5 kW | 5,5 kW |
| Oil | 300 L | 300 L | 300 L |
| L x W x H (mm) | 730 x 1590 x 1915 | 730 x 1590 x 2015 | 730 x 1590 x 2080 |
| Weight | 2600 kg | 2600 kg | 2700 kg |
| HiDS (High Pressure Pump Dynamic Suction) | ✓ | ✓ | ✓ |

* Special dies (reduced opening).

** Pile fittings without flange.

| Type of dies | |
|--------------|--------------------|
| | 239-xx-Ø-yy |
| Ø mm | -mm- |
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 65 |
| 14 | 65 |
| 16 | 65 |
| 17 | 65 |
| 19 | 65 |
| 20 | 65 |
| 22 | 65 |
| 24 | 65 |
| 26 | 65 |
| 28 | 80 |
| 30 | 80 |
| 31 | 80 |
| 32 | 80 |
| 36 | 80 |
| 38 | 80 |
| 39 | 80 |
| 40 | 80 |
| 44 | 80 |
| 47 | 100 |
| 50 | 100 |
| 54 | 100 |
| 57 | 100 |
| 62 | 100 |

| Type of dies | |
|--------------|--------------------|
| | 237 L / 245 |
| Ø mm | -mm- |
| 54 | 118 |
| 57 | 118 |
| 62 | 118 |
| 67 | 118 |
| 71 | 118 |
| 74 | 118 |
| 78 | 118 |
| 84 | 118 |
| 86 | 118 |
| 90 | 118 |
| 96 | 118 |
| 103 | 118 / 130 |
| 106 | 126 / 130 |
| 111 | 126 / 130 |
| 116 | 126 / 130 |
| 121 | 126 / 130 |
| 126 | 126 / 130 |
| 131 | 126 / 130 |
| 136 | 130 |
| 146 | 150 |
| 156 | 150 |
| 170 | 150 |
| 185 | 150 |
| 200 | 150 |
| 230* | 220 |
| 265* | 220 |
| 275* | 220 |
| 305* | 220 |

Accessories

C.2 Control: Accessories



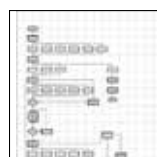
GDS 239 S



GDS 239 C



GDS 239 R



Customized software



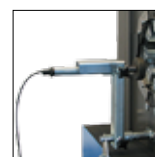
Electronic caliper



Calibration mandrel



Barcode scanner



TA (A)



OCS



LUS / LUF



PS Double foot pedal



UTS/UDL



ULS



807.2

With their distinctive construction and high crimping force of up to 12000 kN, the HM 660, HM 665 and HM 1200 are one of UNIFLEX's powerhouses. They set the standard for quality and cost effectiveness. Using one of these models, you can easily crimp up to 12" industrial hoses (according to the fitting).



HM 665

Engineered solutions using quality components

- Smaller machine increases ergonomics
- HiLo cylinder - Maximum efficiency causing less heat
- Noiseless high-quality pump
- Full length of fittings crimped in one stroke increases product quality and production efficiency
- Lateral reinforcement optimizes overall tolerance

Fixed 6- o'clock die

- Workpiece does not move, making it easier to position laterally
- Increases productivity, driving up profitability
- Reduces risk for injuries

Slide bearing technology

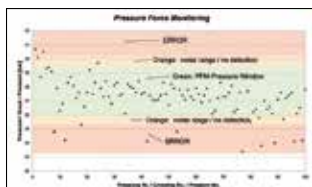
- No greasing improves cleanliness of machine and prolongs its lifetime
- Maximum productivity with very low maintenance costs
- Flaking cannot stick in grease, no risk of prematurely damaging the crimping head
- End product can be used in sanitary applications without cleaning
- 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers
- Consistently accurate crimp result

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Pressure Force Monitoring

PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing.

Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety.

This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.



HM 660 | HM 1200

HM 665

Additional Information



Due to the long master dies, you can crimp virtually all types of fittings.

The fixed 6- o'clock die makes safe and low-force positioning of the workpiece possible, which improves cost effectiveness as well as safety.

| Technical data | HM 660 | HM 665 | HM 1200 |
|---|--------------------------|--------------------------------|--------------------------|
| Crimp force (kN / Ton) | 8000 / 800 | 6000 / 600 | 12000 / 1200 |
| No grease: 20% less friction | ✓ | ✓ | ✓ |
| Control | Control C.2 + Touch | Control C.2 + Touch | Control C.2 + Touch |
| SAE R 15 / 4SH* 1 piece fitting | 3" | 3" | 3" |
| SAE R 15 / 4SH* 2 piece fitting | 3" | 3" | 3" |
| Industrial | 10" | 12" / 16** | 10" |
| 90° Elbows | 3" | 3" | 3" |
| Max. Crimp range | 325 mm** | 450 mm** | 325 mm** |
| Opening | + 120 mm | + 180 mm | + 120 mm |
| Opening without dies | 395 mm | 580 mm | 395 mm |
| Master dies length (mm) | 200 mm | 250 mm | 200 mm |
| Type of dies | 246 / 237L / 239-xx-Ø-yy | 298 / 245 / 237L / 239-xx-Ø-yy | 246 / 237L / 239-xx-Ø-yy |
| Speed (mm/sec) | | | |
| Close | 15 | 17 | 11 |
| Crimp | 2 | 0,9 | 1,5 |
| Open | 15 | 25 | 11 |
| Noise level | 69 dBA | 69 dBA | 69 dBA |
| Drive | 18,5 kW | 5,5 kW | 18,5 kW |
| Oil | 300 L | 300 L | 300 L |
| L x W x H (mm) Machine + Power Unit | 1400 x 1050 x 2470 | 970 x 1800 x 2400 | 1400 x 1130 x 2660 |
| L x W x H (mm) Machine + Power Unit | 700 x 1160 x 1360 | integrated | 1100 x 1300 x 1500 |
| Weight | 4200 kg + 450 kg | 5200 kg | 4480 kg + 450 kg |
| HiDS (High Pressure Pump Dynamic Suction) | ✓ | ✓ | ✓ |

* Layflat hoses with special dies.

** According to the fitting.

Type of dies

| 239-xx-Ø-yy | Ø mm | -mm- |
|-------------|------|------|
| | 6,8 | 50 |
| | 9 | 50 |
| | 10 | 50 |
| | 12 | 65 |
| | 14 | 65 |
| | 16 | 65 |
| | 17 | 65 |
| | 19 | 65 |
| | 20 | 65 |
| | 22 | 65 |
| | 24 | 65 |
| | 26 | 65 |
| | 28 | 80 |
| | 30 | 80 |
| | 31 | 80 |
| | 32 | 80 |
| | 36 | 80 |
| | 38 | 80 |
| | 39 | 80 |
| | 40 | 80 |
| | 44 | 80 |
| | 47 | 100 |
| | 50 | 100 |
| | 54 | 100 |
| | 57 | 100 |
| | 62 | 100 |

Type of dies

| 237 L | 246** | Ø mm | -mm- |
|-------|-------|------|------|
| | | 54 | 118 |
| | | 57 | 118 |
| | | 62 | 118 |
| | | 67 | 118 |
| | | 71 | 118 |
| | | 74 | 118 |
| | | 78 | 118 |
| | | 84 | 118 |
| | | 86 | 118 |
| | | 90 | 118 |
| | | 96 | 118 |
| | | 103 | 118 |
| | | 106 | 126 |
| | | 111 | 126 |
| | | 116 | 126 |
| | | 121 | 126 |
| | | 126 | 126 |
| | | 131 | 126 |
| | | 136 | 150 |
| | | 146 | 150 |
| | | 156 | 150 |
| | | 170 | 170 |
| | | 185 | 200 |
| | | 200 | 200 |
| | | 215 | 200 |
| | | 230 | 200 |
| | | 245 | 200 |
| | | 260 | 200 |

Type of dies

| 298 | Ø mm | -mm- |
|-----|------|------|
| | 200 | 250 |
| | 220 | 250 |
| | 240 | 250 |
| | 260 | 250 |
| | 280 | 250 |
| | 300 | 250 |
| | 320 | 250 |
| | 340 | 250 |
| | 360 | 250 |
| | 380 | 250 |

Type of dies

| 245 | Ø mm | -mm- |
|-----|------|------|
| | 103 | 130 |
| | 106 | 130 |
| | 111 | 130 |
| | 116 | 130 |
| | 121 | 130 |
| | 126 | 130 |
| | 131 | 130 |
| | 136 | 130 |
| | 146 | 150 |
| | 156 | 150 |
| | 170 | 150 |
| | 185 | 150 |
| | 200 | 150 |

Accessories

C.2 Control: Accessories



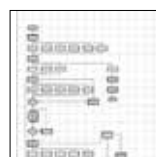
PTS



QDS 239 C



QDS 239 R



Customized software



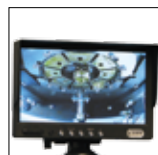
Electronic caliper



Calibration mandrel



Barcode scanner



OCS



LUS / LUF



Oil Cooler (n° OC HM xxx)



PS Double foot pedal



UTS/UDL



ULS



807.2



Options and Accessories

For crimpers.



The new CONTROL C.2 with its intuitive operation for UNIFLEX crimpers, test benches and several more products has a colour touch display. The new menus (Quick-Start-Menu and Production Menu) as well as the possibility to individualize each and every menu and application will make your work much easier. Everything can be controlled via HID, i.e. via Windows devices. In addition, you can record, monitor and assure the quality of your product and how the machine works via the PFM option.



Control C.2

Production management for serial production, production in line with your own processes

Endless item memory increases productivity and consistency

Item data easily searchable for faster set up of the next part. Data set filtering for faster production

Data sets can be read in via scanner

Scanner menus can be linked to your production data set

Intuitive operation

Service via network

Simple organization of changes, maintenance and management of production data sets

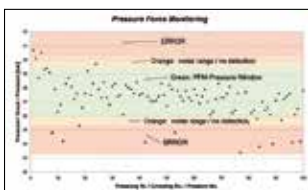
Central order management from the desktop saves time and money

Windows based

Upload and download data

Easily upload and download data using HID-compliant devices, such as external database, scanners, USB flash drive, Vernier calipers or remotely via the Internet

Inclusive: Pressure Force Monitoring



PFM – Standard on all machines with C.2 Control

Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing.

Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety.

This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.

Start the machine and its control:

START Language



Language selection, other languages available upon request.

Units



Configuration units.

Different users are possible:

LOGIN User Login



Factory settings via user details and password with functionality assignments and user rights.

MENU Login by menu



Quick menu and production menu.

After Login, you have the choice: Quick Menu or Production Menu.

QUICK MENU



Input of the crimping dimensions, correction value and crimping dies (automatic).

PRODUCTION MENU



Four choices for selecting compression parameters quickly and easily. Selection menu includes pressing by dimension, by pressure, stored parameters in integrated database in the controller; or by use of a barcode scanner.

PRODUCTION MENU

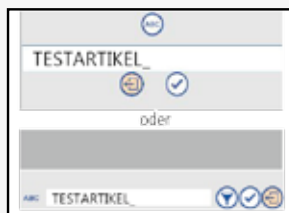
- (1) Crimping by dimension (parameter)
- (2) By pressure (parameter)
- (3) Via the integrated database
- (4) Barcode scanner



Easily input crimping dimensions, correction value, hold time, aperture diameter, pre-selection of counter and crimping dies (automatic).



Easily input pressure, hold time, aperture diameter, pre-selection counter and crimping dies.



Search for and create articles numerically or alpha-numerically. Articles can be easily selected using the "Quick Search Menu".



Scan article data via barcode. (accessories)

Accessories for C.2:

UTS Ctrl C.2

Order number: UTS Ctrl C Package



Allows the reading and output of production data or measured data (including time stamps) for complete production documentation. The ability to block the machine's user interface against erroneous input increases the transparency of the production process.



Order number: UTS / UDL



UTS (UNIFLEX transfer software)
Data management software /
UDL (UNIFLEX) data logging

Accessories for C.2

Order number:

Calb Ctrl C.2 (software + hardware)



Calibrating your machine is simple using digital measurement via the software and the calibration mandrel.

Order number: Kit 800.610 + 800.606 / Caliper Ctrl C 3 inch

or Kit 800.610 + 800.609 / Caliper Ctrl C 4 inch



Measuring point menu with foot mouse / Vernier caliper (3 or 4"): Quality testing using calipers and foot mouse (as OK button). With the digital calipers, you can also check the crimping dimensions for conicity and ovality (number of measurement points). The pictogram-driven menu control guides you through the entire process.

Order number:

TA(A)

PS Double.2

807.2



Depth stop



Double foot pedal



Screen protection

Order number:

BCR Ctrl C.2

800.610



Barcode scanner

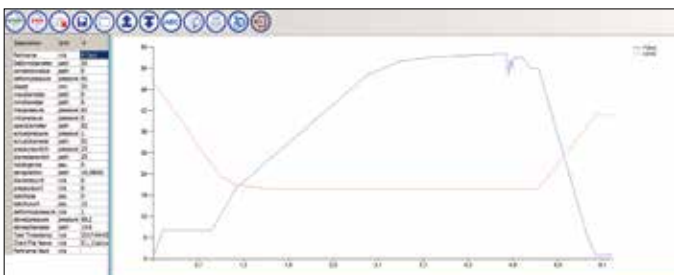


Foot mouse for controller interaction

Options

(ex works)

PFC Pressure Force Control



The UNIFLEX PFC (Pressure Force Control) option offers two ways to stop a compression – based on the distance travelled or the applied force, as happens with PFC. Stopping a compression stroke due to applied force can meet certain application requirements, specifically those where material behavior must be taken into account. This also makes it possible to press brittle materials, such as fibre glass. Many industry-leading glass insulator producers are already using PFC profitably.

PFC provides readings of pressing power and pressing position at any time during the pressing process. These measurements are displayed and analysed graphically. On the basis of just a few test pressings, you will learn exactly how to have the machine produce the perfect final assembly. This process can then be repeated by setting the pressing force, the rate the force increases and the precise time to switch to stop. By saving these values to the controller, you can improve productivity through shorter set up time and consistent quality can be achieved, thereby dramatically increasing customer satisfaction and profitability.

Other options:

On demand:

Extended electric cabinet

Order number:

807.602



For optional components.

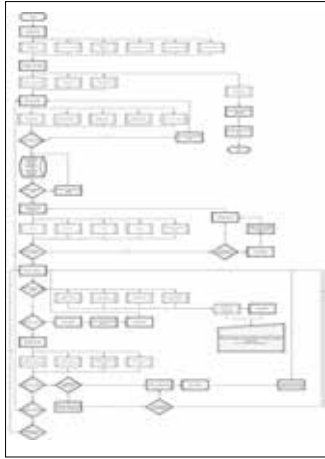


Touch panel with 1800 mm cord.

Corporate programming as a special solution (option)

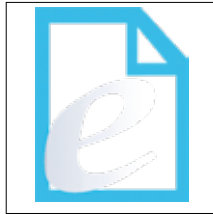
Would you like to have the controller be part of your overall branding scheme? Have it configured with your part or pictures of your products and make the operator's job easier and decrease potential liability? Make it interface with your production operating system to increase productivity?

UNIFLEX can customize the operator interface to meet your needs. Simply compile your company solution from the various menus, interfaces and options offered. Clients including EATON, CATERPILLAR and Intertraco are already taking advantage of our corporate programming solutions.



Customized software

Paperless communication:



Communication with server or machine. Order management via digital interface.

XML/CSV interface:



External database connection. Allows you to retrieve and save the documented production data.

Operating mode configurations:



Communication with the server or with other machines.

Topics customized in line with corporate identity:



CI-compliant menus.

ULS Labelling System

Joint

Boom

Slewing mechanism

Excavator stalk

Excavator bucket

| Exchange year | Color |
|---------------|---------------|
| 2019 | green |
| 2020 | yellow |
| 2021 | blue |
| 2022 | brown |
| 2023 | purple |
| 2024 | grey |

ULS.2-C

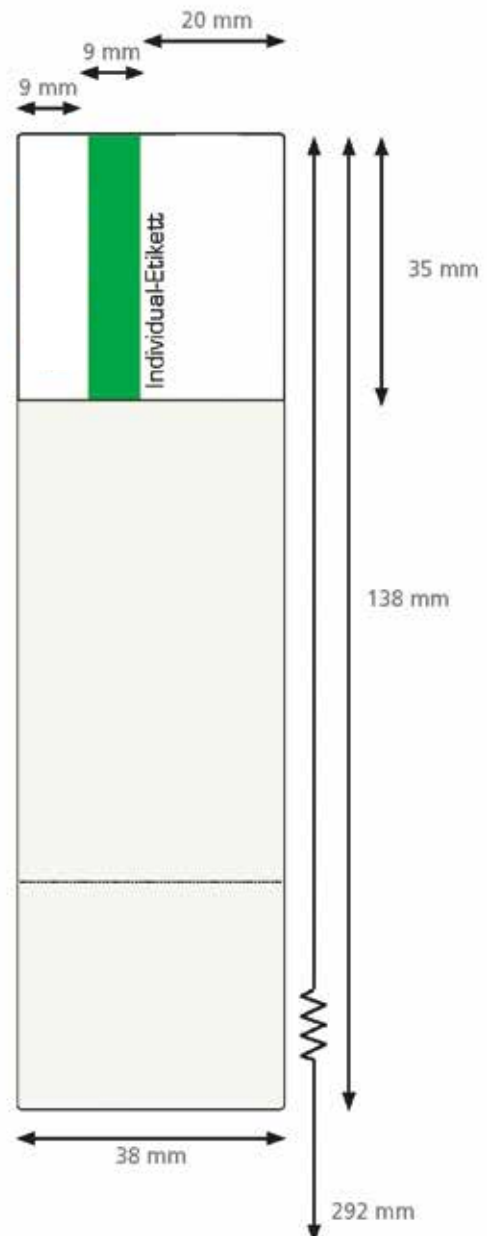


ULS.2-APP for Tablet



Uniflex Labelling System ULS Ecoline

| Part numbers ULS ECOLINE | | | | | |
|--------------------------|--------------------------|---|------------------|----------------------|--|
| Pos. | Article | Content | | Part No. | |
| 1 | Printer | | | ULS.2-C ULS.2-APP | to integrate with our control to use on mobile phone or tablet with an APP |
| 2 | Color ribbon for Printer | Cassette with labels, white (colored labels on request) | | 888.469 | |
| 3 | Banderole | 5000 pieces | | | Material |
| | | Color bars | Banderole 138 mm | Banderole 292 mm | - Transparent preprinted oil- and acid-resistant banderole - High-performance vinyl - Strongly adhesive, permanent - Specifically designed for the surface of rubber and thermoplastic hose |
| | | Green | 507.1_CP | 507.1_XL_CP | |
| | | Yellow | 507.2_CP | 507.2_XL_CP | |
| | | Blue | 507.3_CP | 507.3_XL_CP | |
| | | Brown | 507.4_CP | 507.4_XL_CP | |
| | | Purple | 507.5_CP | 507.5_XL_CP | |



Advantages of Hose assembly Management

Benefits of labels and what they can tell the user:

- Which components need to be replaced and when
- The date of the exchange
- The potential danger of the machine
- The plan for „Preventive maintenance.“
- Minimizes cost of maintenance
- Avoids equipment failures and long downtimes
- Publicity for your company

**QDS 239 S oder C / T**

Store the dies directly at the machine. Can be mobile or bolted to the machine frame.

**QDS 239 R**

Store the dies directly at the machine. Can be mobile or bolted to wall or TU.

**Oil Cooler**

Reduce heat, increase permanent tolerances.

**OCS 10 retro**

Camera system – the alternative to the mirror, for a better sight line adjustment.

**TU-Rack 18-PB239**

Workbench for miscellaneous machines includes die storage.

**QDS 239 B****SPIEGEL / SHS**

Allows the operator to watch the correct position of the part to be crimped behind the machine.

**LUS / LUF**

Light for the rear side of the machine.

**TA**

To position the fitting inside the head and/or to activate the crimp cycle automatically.

**QDC 239.5****PTS SYSTEM**

Marking and crimping in one step according to DIN 20066 and EN 853, EN 854, EN 856, EN 857.

PTS 52: character 4,0 x 2,0 mm / marking depth ca. 0,3 - 0,5 mm

PTS 32: character 3,0 x 1,5 mm / marking depth ca. 0,3 mm

| Dies | Ø - mm - |
|-------------|------------|
| 261 | 14 - 47 |
| 263 | 14 - 32 |
| 265 | 54 - 71 |
| 266 L | 54 - 78 |
| 239 / 239 L | 14 - 50 |
| 232 L | 14 - 90 |
| 237 L | 54 - 121 |
| 554 / 246 L | on request |

Number of characters

P 200, 202, 204, 213, 261, 265
always 10 each

P 262 / 263
Ø 14 - 32 = 17 each


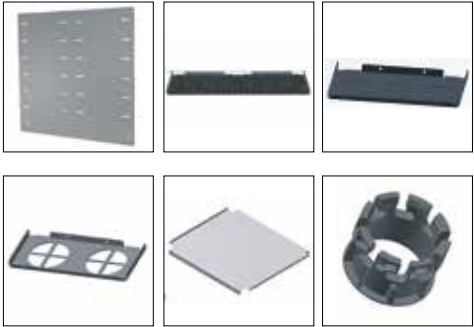










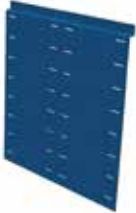

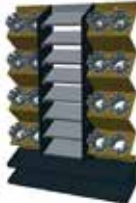
P 239
Ø 14 - 24 = 12 each
Ø 26 - 50 = 17 each

P 239L
Ø 14 - 22 = 14 each
Ø 24 - 40 = 15 each
Ø 44 - 50 = 10 each

P 232L
Ø 17 - 20 = 21 each
Ø 24 - 28 = 22 each
Ø 40 - 44 = 24 each
Ø 47 - 62 = 10 each
Ø 67 - 90 = 11 each

P 237L
Ø 54 - 67 = 24 each
Ø 71 - 121 = 11 each

P 266L
Ø 54 - 78 = 10 each

| Description | | For | Accessories |
|---|---|--|---|
| <p>TU Work Bench capable of supporting up to 800 kg</p> |  | <p>Universal</p> |  |
| <p>TU-QDS F Basic Basic with screws</p> |  | <p>Universal work bench TU</p> |  |
| <p>TU-QDS FXL Shelf Variable with screws</p> |  | <p>TU-QDS F Basic</p> |  |
| <p>TU-QDS F Shelf Variable with screws</p> |  | <p>TU-QDS F Basic QDS-S.2 single row QDS-S-2 double row</p> |  |
| <p>TU-QDS F 239I 3 pieces in set</p> |  | <p>TU-QDS FXL Shelf TU-QDS F Shelf</p> | |
| <p>TU-QDS F Shelf PB280 for PB 280</p> |  | <p>TU-QDS F Basic QDS-S.2 single row QDS-S-2 double row</p> | |
| <p>QDS-S.2 single row Basic Support</p> |  | <p>HM 220.3 HM 225.3</p> |  |
| <p>QDS-S-2 double row Basic Support</p> |  | <p>HM3xx.2 S6.3A+C S8.2 / S8.3 S10.2 / S10.3 HM245.4</p> |  |
| <p>QDS 237.239S RAL5012 Basic Support with TU-QDS 239i</p> |  | <p>HM3xx ab Bj.2010, HM3xx.2 S6.3 S8.2 / S8.3 S10.2 / S10.3 HM 245.2 / HM 245.3 / HM 245.4</p> | |

| Description | | For | Accessories |
|--|---|---|-------------|
| QDS 239 S Basic Support with TU-QDS 239i |  | HM3xx ab Bj.2010, HM3xx.2; HM220, HM220.2, HM220.3 HM225, HM 225.2, HM225.3 S6, S6.2, S6.3 S8, S8.2, S8.3 S10, S10.2, S10.3 | |
| QDS 280 B RAL 7021 For 9 Set PB 280 |  | PB 280 | |
| QDS 239 B RAL 7021 For 9 Set PB 239 |  | PB 239 | |
| QDS 239 R For 9 set PB 239 |  | TU | |
| QDS 239 C Wheeled support for 12 set PB 239 |  | | |
| QDS 239 T Wheeled support for 24 set PB 239 |  | | |



Cutting Machines

Clean cutting, safe handling, solid structure.



Universal

For all types of hoses and fittings.



Ecoline

Value driven solution for less frequent use.



Energy efficient

Now even more efficient.



Special Brake motor

A safety feature meeting DIN CE standards requiring the cutting blade to stop turning in 10 seconds.



Special cutting motor

Higher forces are achieved using a bigger shaft.



Test-proven Cutting Blades

Cutting blades are made out of test-proven material.



EM 1



EM 2



EM 3



EM 4



EM 6



EM 8



EM 110



EM 115



USC 10 | USC 20 |
USC 30

NEW

UPG 10

Guillotine for industrial hoses
up to 2" (max. OD: 75 mm).



UNIFLEX hose cutting machines have been a synonym for the highest precision and robustness for many decades. The solid and compact tools distinguish themselves by their safe and high-quality cutting function. A distinct property is the positioning of the extraordinarily sharp cutting blades close to the powerful motors. This significantly reduces vibration – which is one of the reasons for extreme durability and low maintenance costs.



EM 3

Unique drive motor with double bearings and large shaft

- Reduce scrap with straight cuts
- More cuts between sharpening while increasing profits
- Less contamination in the shop and in the end product will result in more parts out the door and a better environment in the building
- Maximizes motor life, giving you the lowest cost of ownership in the market
- Cut faster and generate a more saleable product

Quality steel blade

- Long lasting German quality steel blades, lowering the cost of ownership

Compact Design

- Ideal for on-site service

ECOLINE Version

- High quality for those new to crimping

CE compliant

- Brake motor for safety
- Security shield

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Accessories



UVC
Suction device



UHG 14 + UHG 14 ext
Hose-guide



330.1
Spark arrester



Hose coiling reel UWT 2
+ Hose measuring tool UMS 4



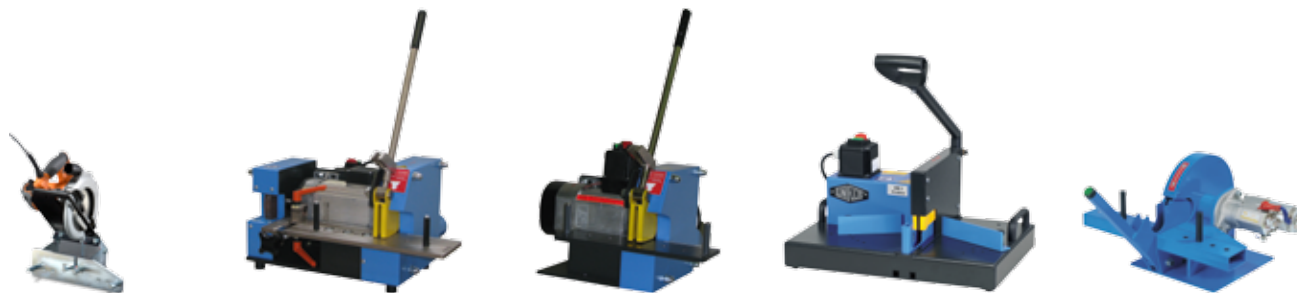
UAT 4
Coiler



USH 4 + 513.1
Hose rack



UMS 4 + 514.1
Measuring device



EM 1

EM 2

EM 3

EM 3 Ecoline

EM 3 DC

| Technical data | EM 1 | EM 2 | EM 3 | EM 3 Ecoline | EM 3 DC |
|--|-----------------|-----------------|-----------------|-------------------|-----------------------------|
| Production SAE R 13 & SAE R 15 | – | 3/4" | 3/4" | – | – |
| Workshop SAE R 13 & SAE R 15* | – | 1 1/4" | 1 1/4" | 1" | 1 1/4" |
| SAE R 12 | 5/8" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" |
| Industrial | 5/8" | 2" | 2" | 1 1/4" | 2" |
| Max. outside | Ø 45 mm | Ø 80 mm | Ø 80 mm | Ø 52 mm | Ø 60 mm |
| Noise level | 90 dBA | 90 dBA | 90 dBA | 90 dBA | 93 dBA |
| Brake motor | – | ✓ | ✓ | – | – |
| Suction connection | Ø 30 mm | Ø 80 mm | Ø 80 mm | Ø 40 mm | Ø 40 mm |
| Drive | 1,2 kW 1~VAC | 3 kW 3~VAC | 3 kW 3~VAC | 1,8kW 1~VAC | 12 V / 24 V 2,0 / 3,2 kW |
| Cutting blade | TM 160x2,5x20 | TM 275x3x30 | TM 275x3x30 | TM G 200x1,6x25,4 | TM 250x2x40Z |
| Brushing DN 5-6-8-10-12-16-19-25-31-38-51 | – | ✓ | – | – | – |
| L x W x H (mm) | 360 x 340 x 310 | 630 x 440 x 300 | 540 x 440 x 300 | 400 x 510 x 540 | 470 x 567 x 365 |
| Weight | 8 kg | 65 kg | 50 kg | 20 kg | 29 kg |
| Accessories | | | | | |
| TU Table | ✓ | ✓ | ✓ | ✓ | ✓ |
| Pneumatic feed | – | – | – | – | – |
| Suction device** | – | ✓ | ✓ | ✓ | ✓ |
| UVC Adapter | – | 777.056 | 777.056 | 777.056 | 777.056 |
| Hose measuring tool | – | – | ✓ | – | – |
| Foot for UMS 4 (840 mm height) | – | – | ✓ | – | – |
| Hose guide 2000 mm | – | – | ✓ | – | – |
| Extension 1000 mm | – | – | ✓ | – | – |

* With special cutting blade.

** Adapter needed.

Additional Information



High-quality cutting blade, secured with a metal sheet.



Guide pins ensure straight cuts.



Blades
TM = plain
TM G = slotted
TM C = plated

Cutting blades

TM C, TM G and TM

High-quality cutting blades:
TM C, TM G and TM.



TM C **NEW**

Lasts 7 times longer, cuts twice as fast, generates less smoke, less debris in the hose and less heat. Reduces the risk of separation of the rubber from the wire.





UNIFLEX hose cutting machines have been a synonym for the highest precision and robustness for many decades. The solid and compact tools distinguish themselves by their safe and high-quality cutting function. A distinct property is the positioning of the extraordinarily sharp cutting blades close to the powerful motors. This significantly reduces vibration – which is one of the reasons for extreme durability and low maintenance costs.



EM 4

Unique drive motor with double bearings and large shaft

- Reduce scrap with straight cuts
- More cuts between sharpening while increasing profits
- Less contamination in the shop and in the end product will result in more parts out the door and a better environment in the building
- Maximizes motor life, giving you the lowest cost of ownership in the market
- Cut faster and generate a more saleable product

Quality steel blade

Long lasting German quality steel blades, lowering the cost of ownership

Compact Design

Ideal for on-site service

CE compliant

- Brake motor for safety
- Security shield

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Accessories



UVC
Suction device



UHG 14 + UHG 14 ext
Hose-guide



330.1
Spark arrester



Hose coiling reel UW 2
+ Hose measuring tool UMS 4



UAT 4
Coiler



USH 4 + 513.1
Hose rack



UMS 4 + 514.1
Measuring device



EM 4

EM 4 DC

| Technical data | EM 4 | EM 4 DC |
|--|-------------------|-------------------|
| Production SAE R 13 & SAE R 15 | 1 1/4" | – |
| Workshop SAE R 13 & SAE R 15* | 1 1/2" | 1 1/4" |
| SAE R 12 | 2" | 1 1/2" |
| Industrial | 2" | 2" |
| Max. outside | Ø 80 mm | Ø 75 mm |
| Noise level | 90 dBA | 93 dBA |
| Brake motor | ✓ | – |
| Suction connection | Ø 80 mm | Ø 40 mm |
| Drive | 3kW 3~VAC | 2,0kW 12VDC |
| Cutting blade | TM C 275 x 3 x 30 | TM C 250 x 2 x 40 |
| Brushing DN 5-6-8-10-12-16-19-25-31-38-51 | – | – |
| L x W x H (mm) | 700 x 510 x 700 | 740 x 360 x 610 |
| Weight | 60 kg | 29 kg |
| Accessories | | |
| Bench | ✓ | ✓ |
| Pneumatic feed | – | – |
| Suction device** | ✓ | ✓ |
| UVC Adapter | 777.056 | 777.054 |
| Hose measuring tool | ✓ | ✓ |
| Foot for UMS 4 (840 mm height) | – | – |
| Hose guide 2000 mm | ✓ | – |
| Extension 1000 mm | ✓ | – |

* With special cutting blade.

** Adapter needed.

Additional Information



Guide pins ensure straight cuts, which prolongs blade life.



Blades
TM = plain
TM G = slotted
TM C = plated

Cutting blades

TM C, TM G and TM

High-quality cutting blades:
TM C, TM G and TM.



TM C **NEW**

Lasts 7 times longer, cuts twice as fast, generates less smoke, less debris in the hose and less heat. Reduces the risk of separation of the rubber from the wire.





UNIFLEX hose cutting machines have been a synonym for the highest precision and robustness for many decades. The solid and compact tools distinguish themselves by their safe and high-quality cutting function. A distinct property is the positioning of the extraordinarily sharp cutting blades close to the powerful motors. This significantly reduces vibration – which is one of the reasons for extreme durability and low maintenance costs.



EM 6 M



EM 8 M



EM 8 P

Unique drive motor with double bearings and large shaft

- Reduce scrap with straight cuts
- More cuts between sharpening while increasing profits
- Less contamination in the shop and in the end product will result in more parts out the door and a better environment in the building
- Maximizes motor life, giving you the lowest cost of ownership in the market
- Cut faster and generate a more saleable product

Quality steel blade

- Long lasting German quality steel blades, lowering the cost of ownership

Compact Design

- Ideal for on-site service

ECOLINE Version

- High quality for those new to crimping

CE compliant

- Brake motor for safety
- Security shield

Accessories



UVC
Suction device



UHG 14 + UHG 14 ext
Hose-guide



330.1
Spark arrester



Hose coiling reel UWT 2
+ Hose measuring tool UMS 4



UAT 4
Coiler



USH 4 + 513.1
Hose rack



UMS 4 + 514.1
Measuring device



329.1 (for EM 6 M) |
323.1 (for EM 8)



EM 6 DC



EM 6 M



EM 6 P



EM 6 Ecoline



EM 8 M



EM 8 P

| Technical data | EM 6 DC | EM 6 M | EM 6 P | EM 6 Ecoline | EM 8 M | EM 8 P |
|------------------------------------|-------------------|-------------------|-------------------|---------------------|-------------------|-------------------|
| Production SAE R 13 & SAE R 15* | – | 1 1/4" | 1 1/4" | – | 1 1/4" | 1 1/4" |
| Workshop SAE R 13 & SAE R 15* | 2" | 2" | 2" | 2" | 2" | 2" |
| SAE R 12 | 2" | 2" | 2 1/2" | 2" | 2 1/2" | 2 1/2" |
| Industrial | 2" | 3" | 3" | 2" | 4" | 4" |
| Max. outside | Ø 75 mm | Ø 85 mm | Ø 90 mm | Ø 80 mm | Ø 120 mm | Ø 100 mm |
| Noise level | 93 dBA | 90 dBA | 90 dBA | 90 dBA | 90 dBA | 90 dBA |
| Brake motor | – | ✓ | ✓ | – | ✓ | ✓ |
| Suction connection | Ø 40 mm | Ø 60 mm | Ø 60 mm | Ø 80 mm | Ø 60 mm | Ø 60 mm |
| Drive | 3,2 kW : 24 Volt | 4,6 kW | 4,6 kW | 2,4 kW | 4,6 kW | 4,6 kW |
| Cutting blade | TM C 250 x 2 x 40 | TM C 350 x 3 x 30 | TM C 350 x 3 x 30 | TM C 275 x 3 x 25,4 | TM C 400 x 4 x 30 | TM C 400 x 4 x 30 |
| L x W x H (mm) | 740 x 360 x 610 | 745 x 690 x 430 | 820 x 785 x 755 | 700 x 510 x 700 | 983 x 760 x 875 | 983 x 760 x 540 |
| Weight | 29 kg | 75 kg | 110 kg | 55 kg | 122 kg | 140 kg |
| Accessories | | | | | | |
| Bench | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Pneumatic feed | – | – | standard | – | – | standard |
| Suction device** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| UVC Adapter | 777.054 | 777.055 | 777.055 | 777.056 | 777.055 | 777.055 |
| Hose guide | – | ✓ | ✓ | ✓ | ✓ | ✓ |

* With special cutting blade.

** Adapter needed.

Additional Information



Guide pins ensure straight cuts, which prolongs EM 1 EM 2 blade life.



Blades
TM = plain
TM G = slotted
TM C = plated

Cutting blades

TM C, TM G and TM

High-quality cutting blades:
TM C, TM G and TM.



TM C NEW

Lasts 7 times longer, cuts twice as fast, generates less smoke, less debris in the hose and less heat. Reduces the risk of separation of the rubber from the wire.





The EM 110 and EM 115 are highly productive cutting machines. These machines are best suited for high volume manufacturing of 2" hoses along with workshop capability for 3" high pressure hose and 4" industrial hose.



EM 110



EM 115

Unique drive motor with double bearings and large shaft

Reduce scrap with straight cuts

More cuts between sharpening while increasing profits

Less contamination in the shop and in the end product will result in more parts out the door and a better environment in the building

Maximizes motor life, giving you the lowest cost of ownership in the market

Cut faster and generate a more saleable product

Quality steel blade

Long lasting German quality steel blades, lowering the cost of ownership

Compact Design

Ideal for on-site service

CE compliant

Brake motor for safety

Security shield

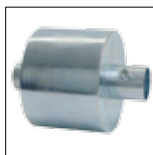
Accessories



UVC
Suction device



UHG 14 + UHG 14 ext
Hose-guide



330.1
Spark arrester



Hose coiling reel UWT 2
+ Hose measuring tool UMS 4



UAT 4
Coiler



USH 4 + 513.1
Hose rack



UMS 4 + 514.1
Measuring device



EM 110



EM 115

| Technical data | EM 110 | EM 115 |
|------------------------------------|------------------|-------------------|
| Production SAE R 13 & SAE R 15* | 3" | 2" |
| Workshop SAE R 13 & SAE R 15* | 3" | 3" |
| SAE R 12 | 3" | 3" |
| Industrial | 4" | 3" |
| Max. outside | Ø 125 mm | Ø 125 mm |
| Noise level | 90 dBA | 90 dBA |
| Brake motor | ✓ | ✓ |
| Suction connection | Ø 100 mm | Ø 100 mm |
| Drive | 7,5 kW | 7,5 kW |
| Cutting blade | TM C 520x4x40 | TM C 520x4x40 |
| L x W x H (mm) | 800 x 780 x 1700 | 1210 x 650 x 1650 |
| Weight | 280 kg | 245 kg |
| Options | | |
| Bench | - | - |
| Pneumatic feed | hydro pneumatic | pneumatic |
| Suction device** | - | - |
| UVC Adapter | - | - |
| Hose guide | ✓ | ✓ |

* With special cutting blade.

** Adapter needed.

Additional Information



Lateral guide rolls for guiding and positioning of the hose, for a better cutting quality.



Various bending points selectable for straighter cuts and relief of pinch on the blade.



Exchangeable guide (two sizes) for optimum positioning of different hose sizes. (EM 115 only)



Guide for perfectly centering hoses.

Cutting blades

TM C, TM G and TM

High-quality cutting blades: TM C, TM G and TM.



TM C **NEW**

Lasts 7 times longer, cuts twice as fast, generates less smoke, less debris in the hose and less heat. Reduces the risk of separation of the rubber from the wire.





FOR CORRUGATED METAL HOSES AND PTFE HOSES

Cutting results that often eliminate an additional step. This completely unique planetary cutting machine delivers almost scrap-free production with high efficiency. With a completely variable centering clamp system, all hose ODs to the maximum rating for the machine can be cut. Approximate cutting time is 25 seconds for 1 ¼" (ø DN 32).



USC 10 | USC 20

Productive and ergonomic

- No dramatic flaring of the stainless steel braid
- Reduces or eliminates time-consuming manual preparatory work, thereby increasing productivity and lowering costs
- Centering hose clamp system
- Shortest cut possible from 10 cm
- Minimizes personnel costs and preparatory work
- No wrapping/unwrapping with adhesive tape required
- Uses standard cutting blades

Siemens Industrial Color Touch Panel

- Clearly laid-out user-friendly software on a panel with a 6" color display screen
- Large article memory promotes productivity
- Reference run for optimal positioning of the cutting blade for cutting all hose diameters
- Programmable constriction time, cutting blade speed and cutting time allows for good results through a wide range of hose sizes and materials
- Monitoring of production by resettable total counter, batch size counter or daily cut counter

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Standard

- Control C
- Belt Tension Tool
- Reference drive
- Total measurer
- Batch size measurer (resettable)
- Daily measurer (resettable)

Accessories



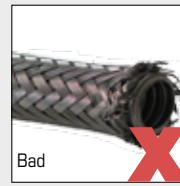
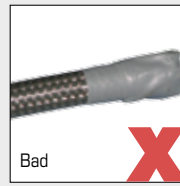
5,7" display | Touch panel



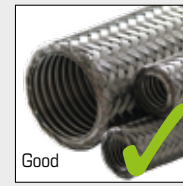
UHG 325.3 Hose guide



UHG 14 + UHG 14 ext Hose guide



Conventional machine



USC

USC 10 | USC 20 | USC 30

| Technical data | USC 10 | USC 20 | USC 30 NEW |
|----------------------------------|------------------------|-----------------------|--|
| Cutting blade | TM 200 x 2 x 25,4 mm | TM 250 x 2 x 25,4 mm | TM 350 x 3 x 32 mm |
| Wire braid | 2" | 4" | 6" |
| Hose diameter | Ø 3/8" - 2" (DN 10-51) | Ø 2" - 4" (DN 50-100) | Ø 4" - 6" (DN 100-150) |
| Max. rotation wire forming blade | 7200 rpm | 7200 rpm | 4100 rpm |
| Max. rotation trimming | 60 rpm | 60 rpm | 30 rpm |
| Drive | 4,6 kW | 4,6 kW | 5 kW |
| Air pressure | 6 bar | 6 bar | 6 bar |
| Noise level | 85 dB(A) | 85 dB(A) | 85 dB(A) |
| Working high | 1020 | 1100 | 1045 |
| L x W x H (mm) | 730 x 670 x 1400 | 730 x 770 x 1500 | 900 x 1250 x 1520 |
| Weight | 245 kg | 340 kg | 580 kg |
| Control Siemens S7 | ✓ | ✓ | ✓ |
| Article memory | ✓ | ✓ | ✓ |
| Feed | pneumatic | pneumatic | pneumatic |
| Suction device* | standard | standard | standard |
| Options | | | |
| Hose guide | ✓ | ✓ | |

* Adapter needed.

Additional Information



Improved fixture for centering hose clamp. Longer, grooved rollers ensure a better grip.

Planetary cutting machine for corrugated metal hoses and PTFE hoses. The unique procedure enables quick and neat cutting of corrugated metal and PTFE hoses without flaring the other stainless steel braid.

- Eliminates flaring
- No more trimming
- Easily slip the ferrule into position
- Reduces assembly injuries
- Improves production efficiency
- Touch panel with memory (optional 5,7" display)
- Quick and easy set up
- Allows broader application range to now include PTFE hose



Options and Accessories

For Cutting Machines.



**TU**

Workbench for miscellaneous machines
(84 x 71 x 75 cm)

**Suction device**

Suction device with spark arrestor
(UVC S36-21 + UVC S36-FL)

UVC Adapter

Art. Ø

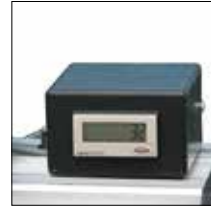
777.054 40 mm EM 3.2DC, EM 3.2
Ecoline

777.055 60 mm EM 8.3, EM 6.2

777.056 80 mm EM2, EM 3, EM3 DC,
EM6, EM 8, EM 8.2

**UHG 14 + UHG 14 ext**

UHG 14 Hose guide 2000 mm and
UHG 14 ext. extension guide 1000 mm
for all cutting machines

**329.1 (for EM 6 M) | 323.1 (for EM 8)**

Resettable cutting counter for EM 6 M

**UWT 2 (optional UMS 4)**

Electric driven hose coiling reel with foot
pedal for easy winding and unwinding of
hoses up to 1 1/4" optional with length
measuring device incl. foot stand.

LxWxH 800x900x1600 mm

Weight 70 kg

**UMS 4 + 514.1 (floor stand)**

Hose measuring tool up to 1 1/4", can
be mounted in front of the cutter or on a
hose coiler.

Measures up to 999,99 m

tolerant 2 - 5 %

LxWxH 250 x 260 x 120 mm

Weight 5 kg

**UAT 4**

Hose winder for storing hoses

Ø 1200 mm

L x H 1200 x 1300 mm

Weight 85 kg

**USH4 + 513.1 (Accessory)**

Hose winder for the easy storage of your
hydraulic hoses, up to seven levels.

cage-Ø outside / inside 820 / 760 mm

external dimension 1000 mm

level high 310 mm

Cage ultimate load 80 kg 513.027.3

513.1:

Plate with fixing bolts

**Spark arrestor**

(330.1 EM 1 to EM 8 /
330.2 EM 110 & EM115)



Skiving Machines

Easy and safe.



Internal & External Skiving

Simultaneous internal and external skiving in one operation.



Universal

For all types of hoses and fittings.



Ecoline

Value driven solution for less frequent use.



USM 2



USM 10



USM 10 S



USM 100



USM 125



New design available July 2017



The new skiving machine, with the fastest change-over time due to preset tools and simple locking pins. The USM 10 S skives internally from 5/8" up to 2" and externally from 3/16" - 2" dies, making the system the perfect solution.



USM 10
New design available July 2017

User-friendly control improves efficiency

Full concentration on the piece due to control via foot pedal

Big Makrolon® windows give a good overview

Higher productivity due to quick change-over time

Easy exchange of skiving tool using a locking pin

Preset tools save time. When switching from one size to another, just put in the preset skiving tool and in seconds you are skiving another size (USM 10 S)

CE compliant

Easy-open protective cover

Safety flap for injury-free working

Safe installation on the workbench

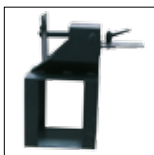


USM 2



USM 10 S

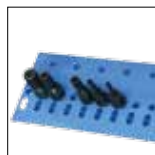
Accessories



SSG
Slitting tool – to keep the skiving chips short



TU - work bench



USM 10 S - PJ RKSTLS without mandrels



USM 10 S - 313.1 Set with 6 mandrels. Internal skiving mandrel.

USM 10 S

USM 10 S

With TU Table and tooling storage.





USM 2



USM 10



USM 10 S

| Technical data | USM 2 | USM 10 Ecoline | USM 10 | USM 10 S |
|---------------------|-----------------|-----------------|-----------------|-----------------|
| Internal skiving | 5/8" – 2" | 5/8" – 2" | 5/8" – 2" | 5/8" – 2" |
| External skiving | 3/16" – 2" | 3/16" – 2" | 3/16" – 2" | 3/16" – 2" |
| Drive | Manual | 0,37 kW (1~) | 0,37 kW (3~) | 0,37 kW (3~) |
| Type of application | Mobil | Workshop | Workshop | Workshop |
| Noise level | - | 60 dBA | 60 dBA | 60 dBA |
| L x W x H (mm) | 338 x 465 x 445 | 440 x 440 x 545 | 440 x 440 x 545 | 440 x 440 x 545 |
| Weight | 16 kg | 35 kg | 35 kg | 35 kg |
| Tool revolution | - | 110 rpm | 110 rpm | 110 rpm |
| Options | | | | |
| Bench | ✓ | ✓ | ✓ | ✓ |
| SSG | ✓ | ✓ | ✓ | ✓ |

| Packages | |
|-------------------------|---|
| USM 2 | + internal skiving mandrel (PJ_EXB 250- DN 05, 06, 08, 10, 12, 16, 19, 25, 32,38, 50) + internal skiving tool (UIS.2 DN 16, 19, 25, 32, 38, 51) |
| USM 10 ecoline / USM 10 | + internal skiving mandrel (PJ_EXB 250- 05, 06, 08, 10, 12, 16, 19, 25, 32,38, 50) + internal skiving tool (UIS.2 DN 16, 19, 25, 32, 38, 51) |
| USM 10 S | with preset tools for fast and easy tool change with 11 external skiving tools (UES.3 - 05, 06, 08, 10, 12, 16, 19, 25, 31, 38, 51) + 313.1 (Set with 6 internal skiving tools - UIS.3- 16, 19, 25, 31, 38, 51) + tool rack (PJ_RKSTLS) |
| USM 10 S TU | + TU same as USM 10 S package, additional: Machine and tool rack mounted on the UNIFLEX table TU incl. internal skiving tool, external skiving machine and tool rack mounted on the TU |

Additional Information



Easy exchange of skiving tool using a locking pin on USM 10 S.



Skiving mandrels are manually adjustable.



Safety switch for riskless operation.



Easy adjustment of the skiving tool.



Blade adjustments for skiving depth need only to be made once for each hose dimension on the USM 10 S.



1 tool on the USM 10 Ecoline for all dimensions.



Internal and external skiving - efficient and clean!

The USM 100 is a machine that prepares hoses for assembly, and skiving can be done both internally and externally simultaneously. The USM 125 is a stable machine for skiving up to 4" industrial and rotary hose. The double-skiving tool with reinforced mandrels can be controlled separately or simultaneously without changing the tool.



USM 125



USM 100

User-friendly control improves efficiency

Full concentration on the piece due to control via foot pedal

Big Makrolon® windows give a good overview

Hose guiding system can be controlled manually

Easy access to trash drawer

Simultaneous internal and external skiving

Higher productivity due to quick change-over time

Easy exchange of skiving tool using a locking pin

Preset tools save time. When switching from one size to another, just put in the preset skiving tool and in seconds you are skiving another size.

CE compliant

Easy-open protective cover

Safety flap for injury-free working

Safe installation on the workbench (USM 100)

Package

- Package USM 100
- Machine
- + 5 internal skiving mandrels UIT Ø20-Ø50
- + 5 internal skiving tools UOP 6,8,10,12,16
- + 1 external skiving tool (UOT 6 - 50)
- + 1 chuck (307.903)

- Package USM 125
- Machine
- + UES 125 - single external skiving tool.

Standard



Simultaneous internal and external skiving.

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.



USM 100



USM 125

| Technical data | USM 100 | USM 125 |
|---------------------|----------------------------------|----------------------|
| Internal skiving | 3/4" – 2 1/2" | 5/8" – 4" |
| External skiving | 1/4" – 2" | 5/8" – 4" |
| Drive | 1,2 / 1,8 kW (3~VAC) | 1,1 + 2,2 kW (3~VAC) |
| Type of application | Production | Production |
| Noise level | 60 dBA | 60 dBA |
| L x W x H (mm) | 780 x 620 x 550 | 2330 x 885 x 1350 |
| Weight | 70 kg | 150 kg |
| Tool revolution | 392 rpm / 592 rpm | 94 rpm |
| Accessories | | |
| Bench | ✓ | – |
| SSG | Standard | ✓ |
| TU Table | ✓ | – |
| UES 125-DN16 | ext. skiving tool 5/8" (DN 16) | – |
| UES 125-DN19 | ext. skiving tool 3/4" (DN 19) | ✓ |
| UES 125-DN25 | ext. skiving tool 1" (DN 25) | ✓ |
| UES 125-DN31 | ext. skiving tool 1 1/4" (DN 31) | ✓ |
| UES 125-DN38 | ext. skiving tool 1 1/2" (DN 38) | ✓ |
| UES 125-DN51 | ext. skiving tool 2" (DN 51) | ✓ |
| UES 125-DN63 | ext. skiving tool 2 1/2" (DN 63) | ✓ |
| UES 125-DN76 | ext. skiving tool 3" (DN 76) | ✓ |
| UES 125-DN89 | ext. skiving tool 3 1/2" (DN 89) | ✓ |
| UES 125-DN100 | ext. skiving tool 4" (DN 100) | ✓ |
| UIS 125-DN16 | int. skiving tool 5/8" (DN 16) | ✓ |
| UIS 125-DN19 | int. skiving tool 3/4" (DN 19) | ✓ |
| UIS 125-DN25 | int. skiving tool 1" (DN 25) | ✓ |
| UIS 125-DN31 | int. skiving tool 1 1/4" (DN 31) | ✓ |
| UIS 125-DN38 | int. skiving tool 1 1/2" (DN 38) | ✓ |
| UIS 125-DN51 | int. skiving tool 2" (DN 51) | ✓ |
| UIS 125-DN63 | int. skiving tool 2 1/2" (DN 63) | ✓ |
| UIS 125-DN76 | int. skiving tool 3" (DN 76) | ✓ |
| UIS 125-DN89 | int. skiving tool 3 1/2" (DN 89) | ✓ |
| UIS 125-DN100 | int. skiving tool 4" (DN 100) | ✓ |

Accessories



SSG Slitting tool – to keep the skiving chips short. Included with USM 100.



TU - work bench



The SSG slitting tool shortens skiving chips.

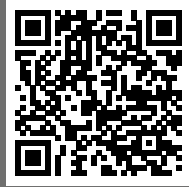


Double skiving tool with hose.



Clamping and guiding unit with wheels for up to 4" hoses.

Additional Information



Nipple Inserter, Pin Prick

Simplify your production.



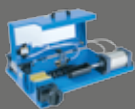
Universal

For all types of hoses and fittings.



Ecoline

Value driven solution for less frequent use.



UNE 10



UNE 115



PR 10

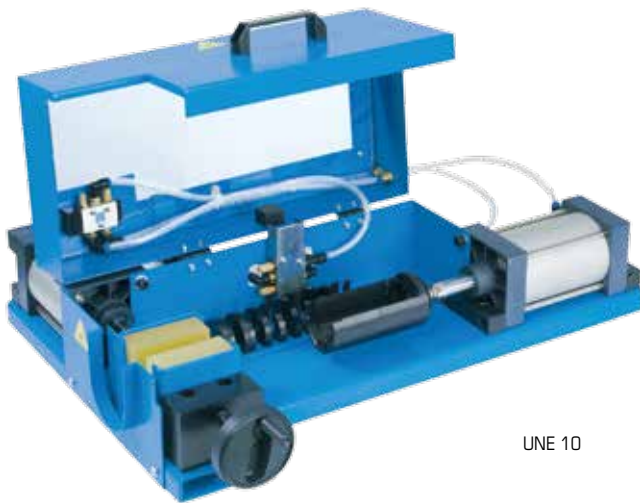


PR 12

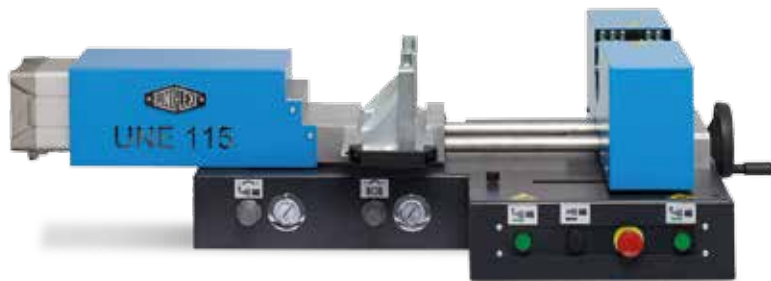




The UNE 10 and UNE 115 are high-performance tools for production and the workshop. These machines now permit fittings up to 3" to be inserted or extracted. Due to its innovative rapid tool sled, the insertion of 90 degree, 45 degree or straight fittings without changing tools is now simple and quick with the UNE 115.



UNE 10



UNE 115

Ergonomic

Freely positionable foot pedal for clamping hose saves time and increases productivity – UNE 115

Liftable eyelets for easy positioning of the machine – UNE 115

Easy handling

Universal hose clamping dies for all hose diameters – no change-over eliminates lengthy setup times

Axially adjustable clamping unit for all diameters prevents kinking of thin hoses for efficient operation

Individual clamping force adjustment for damage-free clamping and avoiding scrap

Zero maintenance reduces costs

Rapid sled for inserting curved and straight fittings without time-consuming exchange of fork sets saves time

Safety compliant

Safety guards on all moving components

CE-compliant, robust UNIFLEX quality

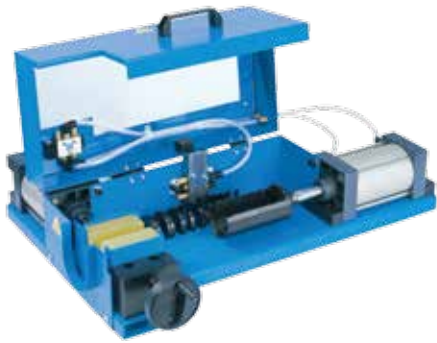
Standard

Established standard functions:

10 inserts for hose ferrules with bended tubes

(Ø 12, 15, 18, 22, 28, 34, 42, 54 mm

and one closed insert)



UNE 10



UNE 115

| Technical data | UNE 10 | Technical data | UNE 115 |
|---|-----------------|---------------------------|------------------|
| Max. nipple insertion (OD fitting, straight or elbow) | < 2** | Working range | < 3** |
| Force | 4,7 kN (6 bar) | Hose max. outside | Ø 120 mm |
| Piston stroke | 100 mm | Compressed air connection | 8 bar |
| L x W x H (mm) | 600 x 810 x 310 | Insertion force | 8 kN (8 bar) |
| Weight | 35 kg | Clamping force | 8 kN (8 bar) |
| Pneumatic air supply | 7 bar / 100 psi | Control | Foot pedal |
| | | L x W x H (mm) | 625 x 1185 x 320 |
| | | Weight | 100 kg |
| | | Pneumatic air supply | 7 bar / 100 psi |

* According to the manufacturer.

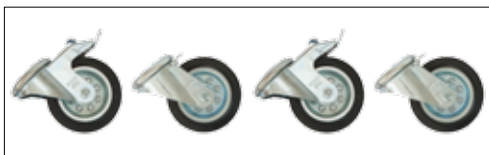
104.1150 standard set UNE 115:

| |
|---------------------------------|
| 103.100.4 gap application 8-14 |
| 103.101.4 gap application 16-22 |
| 103.102.4 gap application 24-27 |
| 103.103.4 gap application 31 |
| 103.104.4 gap application 37 |
| 103.105.4 gap application 39 |
| 103.106.4 gap application 43 |
| 103.107.4 gap application 58 |
| 103.108.4 limit plate |
| 103.109.4 centering pin 5 |
| 103.110.4 centering pin 7 |
| 103.111.4 centering pin 10 |
| 103.112.4 centering pin 14 |
| 103.113.4 centering pin 19 |
| 103.114.4 centering pin 24 |
| 103.115.4 centering pin 29 |
| 103.116.4 centering pin 42 |
| 103.117.4 gap application 65 |
| 103.118.4 gap application 80 |
| 104.042.3 equipment blade |
| 104.043 star knob |

Accessories



TU Table



778.2 hard rubber wheels set (4 pieces) - 2 incl. locking brake

Additional Information



Preloading Safety control coupled to foot pedal.



Secure clamping unit.



Axially adjustable clamping unit - prevents bending of small hose dimensions.



The use of gas hoses (e.g. compressed air, nitrate, etc.) requires perforating the outer layer. With low effort, the PR 10 makes perforating the outer layer of hoses easy.

The established UNIFLEX quality gives you a precision tool to work with hoses up to an outer diameter of 45 mm.



PR 10



PR 12

Perforating with standards

Constant and quick adjustments of the prick depth directly on the machine

Closable needles

Pricking from 4 sides simultaneously (PR 10 / PR PB)

No injury to the pressure holder

Compact construction and tried-and-tested technique

Perforating of even 8 mm OD hoses is possible

Saves space

User friendly

Easy adjustment of hose dimensions

2, 3 or 4 wheels can perforate, depending on what is needed

Saves money

No course of instruction needed

Patent solution vs. costs – PR PB

No investments for additional machines

No maintenance

Saves time due to reproducible adjustments of the prick depths

Easy handling

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Perforating dies for crimpers

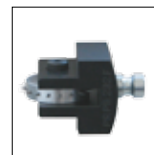


- PR PB-232 F
- PR PB-237 G
- PR PB-266 P

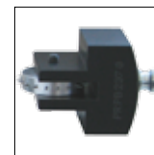
Delivered in 4-piece sets



PR PB 266 P
For:
S 6



PR PB 232 F
For:
HM 290 | HM 320 |
HM 370



PR PB 237 G
For:
S 8 | S 10 |
HM 325 | HM 375 |
HM 380



PR 10



PR 12



PR PB

| Technical data | PR 10 | PR 12 |
|----------------|-----------------|-----------------|
| Working range | Ø 8 - 45 mm | Ø 8 - 55 mm |
| L x W x H | 290 x 150 x 330 | 270 x 200 x 400 |
| Weight | ~ 8 kg | ~ 22 kg |

| Machine | PR PB | Hose Ø (0 - max. OD) | PR PB Intermediate die set |
|-------------|-------------|-------------------------|----------------------------|
| S6* | PR PB 266 P | 0 - 45 mm | ./. |
| S6 ECOLINE* | PR PB 266 P | 0 - 45 mm | ./. |
| HM290 | PR PB 232 F | 0 - 68 mm | ./. |
| HM502 | PR PB 232 F | 0 - 70 mm | 554.323 L |
| S8 | PR PB 237 G | 0 - 45 mm | ./. |
| S8 ECOLINE | PR PB 237 G | 0 - 45 mm | ./. |
| S10 | PR PB 237 G | 0 - 45 mm | ./. |
| S10 ECOLINE | PR PB 237 G | 0 - 45 mm | ./. |
| HM325 | PR PB 237 G | 0 - 70 mm | ./. |
| HM375 | PR PB 237 G | 0 - 70 mm | ./. |
| HM380 | PR PB 237 G | 0 - 70 mm | ./. |
| HM420 | PR PB 237 G | 0 - 50 mm | 245.237 L |
| HM480 | PR PB 237 G | 0 - 150 mm | 245.237 L |
| HM485 | PR PB 237 G | 0 - 130 mm | 245.237 L |
| HM660 | PR PB 237 G | 0 - 120 mm | 245.237 L |
| HM1200 | PR PB 237 G | 0 - 120 mm | 245.237 L |
| HM665 | PR PB 237 G | 0 - 120 mm | 245.237 L |

Additional Information



Constant prick depth



Side view



With perforating wheels

Double Prick Wheels

- Straight perforation
- No twisting of hoses

Adjustments

- Perfect hose guidance and centration
- Optimal adjustment of hose dimensions

Compact construction

- With minimum space requirements
- Mobile usage possible



Marking and Bending Machines

Easy handling, rugged design, reliable operation.



Universal

For all types of hoses and fittings.



Ecoline

Value driven solution for less frequent use.



UP 10 Ecoline



UP 115



UIM 10



UBM 6-20 M



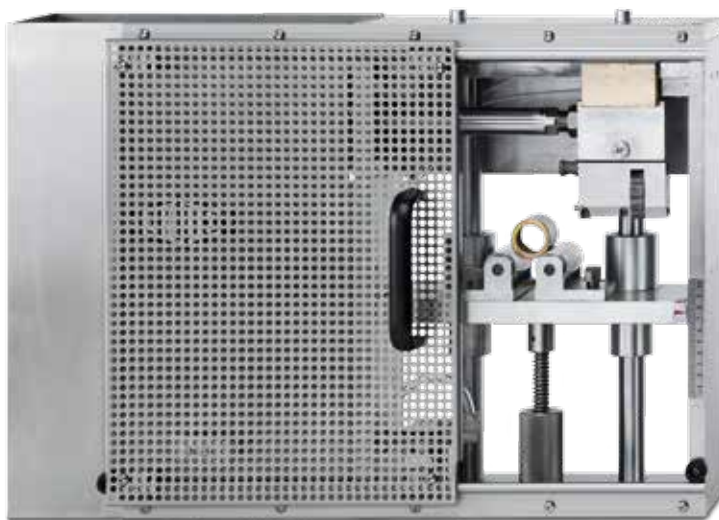
UNI-LEX
UIM 10



The UNIFLEX marking tool UP 10 Ecoline has a compact table construction. The European safety regulations DIN20066-2012-10, EN853, 854, 856, 857 stipulate that hose lines have to be marked indelibly with the manufacturer code, the assembling date and the max. pressure, e.g: XX_YY/MM_330 bar. This embossing will also allow you to indicate who produced the hose line and when. This is helpful information in the case of warranty claim. The new and compact UNIFLEX marking tool UP 10 Ecoline is a precise and easy-to-handle tool. The robust technology and low maintenance makes it a perfect machine for mobile operations or workshops.



UP 10 Ecoline



UP 115

Compact Design

Compact for mobile usage, standard with a 1-row marking tool

User friendly

Easy height adjustments possible

Precise and robust technique

Easy handling and adjustments

Low maintenance

ECOLINE Version

High quality for those new to crimping

Package

UP 10 Package =
UP 10 Ecoline + UPTS 10

UP 115 Package =
UP 115 + UPTS 100

UP 10 Ecoline Package: UPTS 10

Marking Type Set

Letters: 1x A, B, I, N, R, S, /, 2x P, 10x space,
4x letter of own choice
4 mm high / 2,5 mm width

Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0
wild character 1 x 504.033.4 (5-fold) +
504.034.4 (10-fold)

Neutral: Brush, Tweezers, Mirror

UP 115 Package: UPTS 100

Marking Type Set

Letters: 1x A, B, I, N, R, S, /, 2x P, 10x space,
4x letter of own choice
3 mm high / 2 mm width

Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0

Neutral: Brush, Tweezers, Mirror



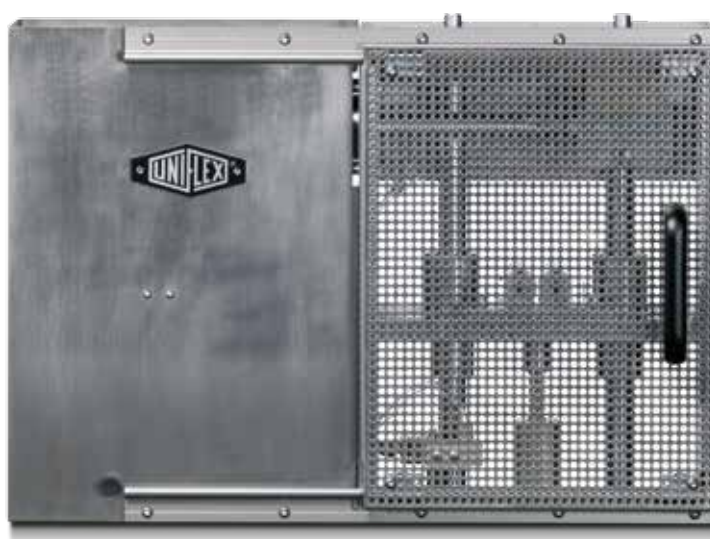
UP 10 Ecoline

UP 115

| Technical data | UP 10 Ecoline | UP 115 |
|-----------------------|-----------------|-----------------|
| Marking area | Ø 8 - 80 mm | Ø 11,5 - 100 mm |
| Marking depth | ~ 0,5 mm | ~ 0,5 mm |
| Insertable steel type | 25 pieces | 30 pieces * |
| Drive | Manual | Pneumatic |
| L x W x H (mm) | 285 x 265 x 410 | 625 x 465 x 325 |
| Weight (kg) | 10 | 48 |

Marking depth depends on the adjustment of the marking roll.

* Depending on the type holder.



UP 115 closed

Accessories



504.003

Additional type holder for UP 10 Ecoline. Simple change between different markings.



506.060.3

Type holder for UP 115. Single row, 13 characters, 4 number type wheels and bar/psi stamp.



506.050.3

Type holder for UP 115. Double row, 15 characters each.



506.080

Height Setting Display for UP 115.

Options



Use of marked hoses improves safety. The UIM 10 is a low-cost insert marking tool for up to 2" hoses. The marking can be repeated exactly. In order to assure to skive the proper length or the fitting is inserted properly.

You can mark up to 700 hoses in an hour. This means you can manually mark hoses three times faster with a lot more precision.



| |
|--|
| Amortisation |
| Amortisation reached after 20 hours or 14,000 hoses |
| Minimum space requirements and easy handling make long trainings or otherwise costly stationaries needless |
| Reduction of discard through exact positioning of hoses and tools |
| Time and cost saving positioning of the tools increases productivity and profitability |
| Low maintenance costs |
| Pressure stamps for marking the ends of hoses with ink cartridges especially made for this work, prepared not to dry out |
| One ink cartridge lasts for approx. 10,000 markings with a marking length of 10-60 mm |
| Technical innovations for steady quality |
| Pneumatic activation of the stamp |
| Clean markings |
| Exact and stable markings in each repetition |
| CE conformity |

UIM 10

| Technical data | UIM 10 |
|----------------------|-----------------|
| Working range | 2" (up to DN50) |
| Marking depth | 10 - 60 mm |
| Production time max. | 700 / h |
| Air Pressure | 5 bar (21 PSI) |
| L x W x H (mm) | 210 x 240 x 310 |
| Weight (kg) | 4,5 |

| Accessories |
|---|
| REM_UIM4_PAD, 5 ink pads |
| REM_UIM_4 INK_ KIT (white), 10 ink cartridges + solvent |
| REM_UIM_4 INK_ KIT_BK (black) 10 ink cartridges + solvent |

UNIFLEX insert – marking tool (ferrule position marking) Increases productivity and improves safety in hose sizes up to 2".

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Additional Information



Mark hoses precisely and quickly with the UIM 10.



Optimal marking process

The UBM 6-20 M is a universal bending device for steel pipes up to 20 mm OD. It comes with a set of bending rolls for common applications.

An integrated scale for angle detection helps you to reach the required pipe dimension in only one work step. The telescopic lever keeps the operator's forces low when bending rigid pipes.



UBM 6-20 M

Compact design

Compact for mobile usage

Standard with a set of 6 bendings rolls

User friendly

Easy handling

Simple adjustment

Wide workpiece range

Innovative design

Angle scale included

Telescopic lever

Technical data

UBM 6-20 M

| | |
|---------------------|-------------|
| Working range | OD Ø6-20 mm |
| Bending radius (mm) | 19 - 40 |
| Drive | Manual |
| LxWxH (mm) | 870x170x130 |
| Weight (kg) | 15 |





Test Benches & Cleaning Machines

Reliable, clean and eco-friendly.



Universal

For all types of hoses and fittings.



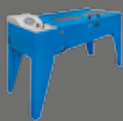
Ecoline

Value driven solution for less frequent use.



Integrated Tank

Saves work space and is quiet.



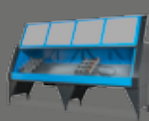
P 160 Ecoline



P 160



P 200



P 300



P 350



RG 2



RG 10





Hose lines that cannot withstand the high pressure for which they are designed can cause serious damage, resulting in high costs - often higher than the price of a test bench. Why take a risk that can be easily avoided?

By testing the quality of your products, you opt for safety. The P 160 or P 160 ECOLINE workshop test benches allow for the efficient and safe final inspection and testing of hose lines. They are easy to operate and quickly become part of your routine procedures.



P 160



P 160 Ecoline
New design available July 2017

Quality and safety

- Fully enclosed test chamber
- Also suitable for static pressure testing of various hydraulic components such as valves, hydraulic cylinders, housings, quick-release couplings, etc.
- Safety valve – when the hood is opened, all pressure is automatically released within 1/10 second
- Hood with gas springs and transparent Makrolon® safety pane
- Environmentally friendly test medium (water-oil emulsion)
- Easy and safe to operate
- Test bench can be retrofitted with extension element (P 160)
- Logging software/printer available as optional equipment (Control B+ Touch) (P 160)
- Compressed air filter with condenser

Innovative technology for fast processing

- Parts to be tested (hose lines) can be inserted quickly by means of our Steck-O-System and without any time-consuming preparation or modifications to the tank
- Fast filling and automatic pressure release of tested parts

CE compliant

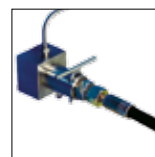
- Hood with gas springs and transparent Makrolon® safety pane

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package

- P 160 Package /
- P 160 Ecoline Package
- Machine
- + Steck-O-Adapter metric 405.901
- + Steck-O-Adapter imperial 405.902
- + Anticorrosion additive EM 10 L

Standard



Steck-O-System

Accessories



4 Steck-O-Adapter 405.6.



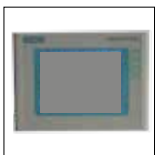
P 160 Ecoline

P 160

| Technical data | P 160 Ecoline | P 160 |
|--|--|--|
| Test pressure | 150 - 1300 bar | 150 - 1300 bar |
| Drive | Intensifier | Intensifier |
| Flow | 1,1 L / min | 1,1 L / min |
| Capacity | 7 bar, 20 NI / min | 7 bar, 20 NI / min |
| Tank dimensions | 1200 x 600 x 250 mm | 1590 x 795 x 370 mm |
| Test bench dimensions | 1400 x 600 x 1200 mm | 2210 x 950 x 1325 mm |
| Reservoir capacity | 33 L | 100 L |
| Alternative drive only with pre filling pump 405.904 / 405.914 | - | 0,38 kW, 400V 50Hz 3Ph |
| Colour | RAL 5012 Blue | RAL 5012 Blue, RAL 7021 Grey |
| Weight | 120 kg empty | 210 kg empty |
| Noise level | 72 dBA | 72 dBA |
| Accessories | | |
| Suction filter | ✓ | ✓ |
| Air preparation unit | ✓ | ✓ |
| Steck-O-Adapter (s-series only) | DN 4/6/8/10/12/ G 1/2" 405.901 | DN 4/6/8/10/12/ G 1/2" 405.901 |
| Steck-O-Adapter (s-series only) | R 1/4"/ 3/8"/ 1/2"/ 3/4"/ G 1/2" 405.902 | R 1/4"/ 3/8"/ 1/2"/ 3/4"/ G 1/2" 405.902 |
| Anticorrosion additive | EM 10 I | EM 10 I |
| Options | | |
| High pressure* (Steck-O-System not available) | - | 150 - 3000 bar |
| Low pressure* | - | 20 - 1300 bar |

* Only one of the two options possible.

Options



CONTROL B + Touch (only for P 160)



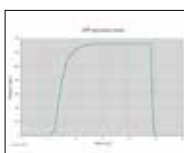
The P 160 is also available in stainless steel



P 160 / P 200 extension element
407.3150: Total chamber length 3600 mm
407.3250: Total chamber length 4400 mm



UPP Pressure Sensor for test benches.



Additional Information



Steck-O-System:

- Clean, quick and reliable connection
- Push-in system for easy assembly
- Ample space in chamber
- Adapter for fast connection



The P 200 test bench with digital Control B+ Touch control and tight clamping system makes testing not only easier and quicker but also extremely flexible. Enter all test parameters at the user-friendly menu control and save them, if required, with the relevant product number.

The test parameters for a product can then be reloaded at the push of a button, reducing tooling time while ensuring reproducibility. The patented tight clamping system does away with screws and threaded adapters. Pressure testing reveals any defects in the material or assembly at the earliest possible time.



P 200

Quality and safety

- Fully enclosed test chamber
- Also suitable for static pressure testing of various hydraulic components such as valves, hydraulic cylinders, housings, quick-release couplings, etc.
- Safety switch - when the hood is opened, all pressure is automatically released within 1/10 second
- Environmentally friendly test medium (water-oil emulsion)
- Easy and safe to operate
- Test bench can be retrofitted with extension element
- Up to 120 tests per hour for a max. length of 2500 mm (DN 12-800 mm)

Innovative documentation management

- Time-saving product parameter memory
- Proper documentation and controlling
- Test reports printed on printer (optional)

CE compliant

- Hood with gas springs and transparent Makrolon® safety pane

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package

- Machine
- + set of sealing cones and clamp adapters (406.4)
- + Anticorrosion additive EM 10 L



CONTROL B + Touch



Laser printer
black ink
DIN A4
888.074



Pressure filter
600.901 5µm



VA (Stainless Steel)



P 200 extension element
407.3150: Total chamber length 3600 mm
407.3250: Total chamber length 4400 mm

Options



P 200

| Technical data | P 200 |
|-----------------------------|------------------------------|
| Test pressure | 150 - 1300 bar |
| Control | Control B + Touch |
| Drive | Intensifier |
| Flow rate (effectively) | 5 L / min |
| Air supply | 7 bar, 20 NI / min |
| Tank dimensions | 1590 x 795 x 370 mm |
| Test bench dimensions | 2210 x 950 x 1325 mm |
| Reservoir capacity | 100 L |
| Colour | RAL 5012 Blue, RAL 7021 Grey |
| Weight | 210 kg empty |
| Noise level | 72 dBA |
| Electrical connection | 400 V 50 Hz 3 Ph |
| Options | |
| High pressure | 150 - 3000 bar |
| Low pressure | 20 - 1300 bar |
| Stainless steel tank | ✓ |
| Extended version on request | ✓ |

| Accessories | |
|------------------------|---|
| Suction filter | ✓ |
| Air preparation unit | ✓ |
| Holding disc | HS 400 Ø 8-10 / 10-12 / 12-15 / 15-18 / 18-21 / 21-24 / 24-27 / 27-30 / 30-33 / 33-36 / 36-39 / 39-42 |
| Sealing cones | DSP 400-2 (30°- Ø 2,2) DSP 400-3 (30°- Ø 3,8) DSP 400-4 (80°- Ø 2,2) DSP 400-5 (80°- Ø 3,8) DSP 400-7 (30°- Ø 11) DSP 400-8 (80°- Ø 6,5) |
| Blind sealing cones | BDSP 400-1 (30°- Ø 2,2) BDSP 400-6 (80°- Ø 2,2) BDSP 400-9 (30°- Ø 11) |
| Sealing disc | DS 400-1 (120°) |
| Anticorrosion additive | EM 10 I |



90° connection.



The test bench caters to a wide range of fittings and hoses.

Additional Information



Benjo connection.



Tight clamping system for easy test.



Test logs and reports for proper documentation.

A Handful of Sealing Cones Replaces Hundreds of Threaded Adapters:

Loading: One end of the hose is inserted into a fixed test head, the other into an adjustable test head. A hydraulic unit supplies the precisely adjustable clamping pressure to the sealing heads.

Testing: The flooding pump rinses and deaerates the hose line. After the lid is locked, the preset clamping and test pressure is generated automatically.

Blowing out: The pressure test is completed with one push button, i.e. the test pressure is reduced and the blow-out operation is started automatically to purge out the test fluid.

Test record: A hydrostatic pressure test can be carried out and recorded with the microprocessorbased UNIMATICControl-B plus system.



Testing has never been easier and quicker. With the P 300, you can perform precision tests of hoses of up to 2500 mm in length and with pressures up to 1000 bar.

Test up to 120 hoses per hour, making use of 4 parallel test lines and our quick-clamping system. You can choose between automated and manual setup mode. The P 300 comes with a number of standard features such as an internal lighting and a portable power aggregate, and caters to individual test logging.



P 300



P 300 Aggregate

Innovation and quality

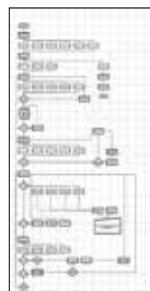
| |
|--|
| Testing of up to 120 hoses per hour |
| 4 parallel test lines |
| Combination of two test chambers (mirror arrangement) (optional) |
| Fast workflow thanks to separately running test chambers (for alternate setup and testing) |
| Quick-clamping system holding up to 4 hoses for parallel testing with customized settings |
| Internal lighting system, adjustable machine feet and top-quality internal gear pump |
| Quick changeover between automated and manual setup mode |
| Separate portable power aggregate (with 2 m connecting hoses) |
| Max. hose length 2500 mm |

Safety and CE conformity

| |
|---|
| Automatic closing of test chamber |
| Large inspection window made with transparent Makrolon® |
| Display for bubble-free flooding on aggregate |
| Customisable test logs and reports (for storage and printing) |

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

C.2 Control: Accessories



Customized software



UTS/UDL



ULS



Barcode scanner

Options



- 409.1 Deventilation of residual pressure
- 409.2 Manual door closing for tight circuit
- 409.3 Low pressure 50-1000 bar



P 300

| Technical data | P 300 |
|-------------------------------|--|
| Test pressure | 100 - 1000 bar |
| Control | C.2 Control |
| Drive | 3 kW hydraulic aggregate with air pressure booster |
| Flow rate (effectively) | 13 L / min |
| Tank dimensions open / closed | 3750 x 2400 x 870 mm / 3750 x 1450 x 870 mm |
| Aggregate dimensions | 830 x 740 x 1340 mm |
| Reservoir capacity | 140 L |
| Colour | RAL 5012 Blue, RAL 7021 Grey |
| Weight of tank | 1000 kg (empty) |
| Weight of power unit | 200 kg (empty) |
| Noise level | 70 dBA |
| Max. hose length | up to 2500 mm |
| Test medium | Test oil |
| Noise | 70 dBA |
| Accessories | |
| Pressure + return filter | ✓ |
| Air preparation unit | ✓ |
| Sealing cone set | ✓ |
| Options | |
| Second chambers are possible | ✓ |

| Standard |
|---------------------------------|
| Sealing cone set |
| 888.074 Laser printer A4/ SW |
| USB interface/port |
| Pressure filter 12 µm |
| Return filter 12 µm |
| Compressed air maintenance unit |



2 clamping discs per head, catering to various diameters (OD 8-42 mm).

Additional Information



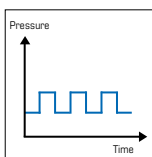
Sealing cone set (standard), DN 2.5 - 22mm, 6 cones.



The height of the P 300 can be adjusted.



Axially adjustable quick-change system with adjustable rotating head.



Dynamic test.

- Rapid hose clamping system for the admission of up to four hoses with simultaneous checking (variable setting)
- Parallel test lines – 4 test lines per chamber
- Automatic starting of the given pressure values
- Two test chambers are possible – mirroring (one is loaded while a second chamber is testing)
- Test chamber standard size 3600 mm
- Depending on different factors (flooding time, length + diameter of the hoses) you can test approx. 120 hoses per hour
- Adjustable height
- Fitting cones 3/4" (DN 2,5 – 22 mm) easy to change via simple unliking (6 different cone sizes are available in standard package)



Is testing of large industrial hose or long hydraulic hose possible in a safe and practical manner? Our new P 350 test bench unifies our years of experience with your advanced requirements for special hose equipment. The extra-large test chamber gives you the space you need for your challenge. Pallets with hoses as well as large, heavy hose coils can be easily supplied to the chamber by forklift. Hose samples are connected easily with adapter hose and quick connection to pressure ports. The P 350 comes with a number of standard features such as internal lighting and a portable power aggregate, and caters to individual test logging.



P 350



P 350_Chamber-3600mm

Innovation and quality

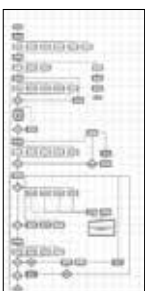
- Testing of up to 120 hoses per hour
- 4 parallel test lines
- Combination of two test chambers (mirror arrangement)
- Fast workflow thanks to separately running test chambers (for alternate setup and testing)
- Quick-clamping system holding up to 4 hoses for parallel testing with customized settings
- Internal lighting system
- Quick changeover between automated and manual setup mode
- Separate portable power aggregate (with 2 m connecting cable)

Safety and CE conformity

- Rigid doors with safety switches
- Large inspection window made with transparent Makrolon®
- Display for bubble-free flooding on aggregate
- Customisable test logs and reports (for storage and printing)

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

C.2 Control: Accessories



Customized software



UTS/UDL



ULS



Barcode scanner



P 350

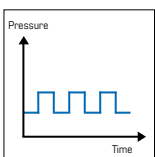
| Technical data | P 350 |
|------------------------------|--|
| Test pressure | 150 - 1000 bar |
| Control | Control C.2 |
| Drive | Diaphragm pump + Intensifier |
| Flow rate (effectively) | 12.5 L/min |
| Reservoir capacity | P 350 Container: 1040 L P 350_Chamber-3600: 330 L |
| Chamber dimensions | P 350 Container: External: 2100 x 2170 x 2650 mm Internal: 1950 x 1950 x 2200 mm P 350_Chamber-3600: External: 4100 x 950 x 1325 mm Internal: 3600 x 795 x 370 mm |
| Aggregate dimensions | 850 x 1390 x 810 mm |
| Colour | RAL 5012 blue / RAL 7021 grey / RAL 9002 grey-white |
| Weight of chamber | P 350 Container: 650 kg P 350_Chamber-3600: 390 kg |
| Weight of power unit | 210 kg |
| Noise level | 75 dBA |
| Test medium | Water-oil emulsion |
| Accessories | |
| Pressure and return filter | ✓ |
| Air preparation unit | ✓ |
| Quick connector adapter set | ✓ |
| Options | |
| Second chambers are possible | ✓ |

Standard

| |
|--------------------------------|
| Quick connector set |
| Automatic pressure control |
| Pressure filter 5 µm |
| Suction filter 100 µm |
| Anticorrosion additive EM 10 L |
| Fluid flow inspection glass |
| Integrated tank |



P 350 Aggregate



Dynamic test.



UNIFLEX cleaning machines effectively remove residue and scale from hose cutting, crimping and press fitting.



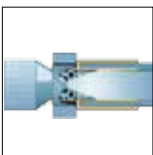
RG 10



RG 2

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Accessories



UNIFLEX cleaning machines effectively remove residue and scale from hose cutting, crimping and press fitting.



Flushing cone



Suction filter



Pressure filter
600.901 5 µm



RG 2



RG 10

| Technical data | RG 2 | RG 10 |
|---|---|---|
| Drive | Diaphragm pump, 7 bar Air | Diaphragm pump, 7 bar Air |
| Maximum flow rate | 25 l/min | 180 l/min |
| Pressure filter | 5 µm | 10 µm |
| Air filter | 5 µm | 5 µm |
| Max. air consumption | 100 NI/min | 250 NI/min |
| Working range | up to 1 1/4" ID | up to 2" ID |
| Max. length, depending on bore size | 2,5 m / 8 feet | 20 m / 65 feet |
| Tank capacity | 38 L | 215 L |
| Working area | 350 x 750 | 800 x 1600 |
| Cleaning agent | Non-toxic and corrosion-free emulsion, water based. | Non-toxic and corrosion-free emulsion, water based. |
| L x W x H (mm) | 960 x 435 x 940 | 2000 x 840 x 1050 |
| Weight (empty) | 55 kg | 160 kg |
| Accessories | | |
| Hakupur 10 L - RG 2+RG 10 - concentrated cleaning agent | | |
| PJ_30.10.76 - RG 10 - Filter cartridge 5 µm | | |
| PJ_30.10.60 - RG 10 - Filter cartridge 10 µm | | |
| 600.4 - RG 2 - Filter cartridge 5 µm | | |
| 600.5 - RG 2 - Filter cartridge 12 µm | | |



Special Equipment

Solutions for every requirement.



Universal

For all types of hoses and fittings.



Greaseless

Slide bearings on the crimp tool improve efficiency up to 20%, reduce friction and help keep the tool free of contaminants.



KS 6 | KS 8 |
KS 10



HMC 1-25 | HMC 1-30



HM 245



HM 380 | HM 480
HM 660 | HM 1200



HMC 12-2000



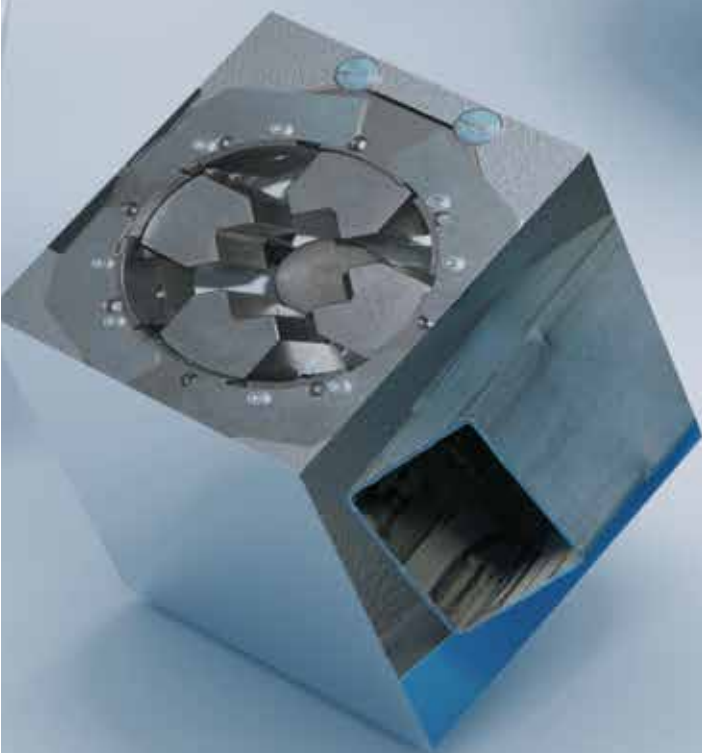
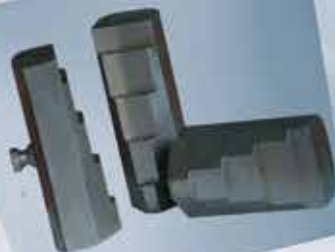
ICM 300



ITM 300



Special test benches





The UNIFLEX KS 6, KS 8 and KS 10 are designed for precision crimping and calibration.



KS 6, KS 8, KS 10

High-level components and system solutions

Slide bearing technology

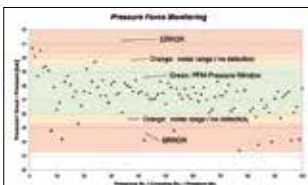
- Grease-free for extra cleanliness and prolonged service life
- Maximised productivity at very low operating costs
- Chips brush off easily, minimising tool wear
- Clean machining area
- Reduces crimping force loss by up to 20%
- High process stability and reproducible accuracy

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Standard – Pressure Force Monitoring

PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing. Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety. This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.

Standard



PS Double foot pedal



KS 6, KS 8, KS 10

| Technical data | KS 6 NEW | KS 8 | KS 10 |
|------------------------------|--------------------|--------------------|--------------------|
| Crimp force (kN / Ton) | 500 / 50 | 800 / 80 | 1800 / 180 |
| No grease: 20% less friction | ✓ | ✓ | ✓ |
| Control | Control C.2 | Control C.2 | Control C.2 |
| Max. crimping range | 55 mm | 139 mm | 139 mm |
| Opening | + 25 mm | + 45 mm | + 45 mm |
| Opening without dies | 95 mm | 190 mm | 190 mm |
| Type of dies | PBK 239 | PBK 237 | PBK 237 |
| Speed (mm / sec) | | | |
| Close | 12 | 7 | 3,5 |
| Crimp | 12 | 7 | 3,5 |
| Open | 30 | 15 | 6 |
| Noise level | 58 dBA | 58 dBA | 58 dBA |
| Drive | 5,5 kW | 5,5 kW | 5,5 kW |
| Oil | 80 L | 80 L | 80 L |
| L x W x H (mm) | 1000 x 1000 x 1700 | 1000 x 1000 x 1700 | 1000 x 1000 x 1700 |
| Weight | 470 kg | 570 kg | 570 kg |

Type of dies

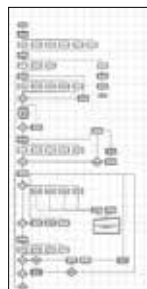
| Ø mm | PBK 239 | | PBK 237 | |
|------|---------|------|---------|------|
| | -mm- | -mm- | -mm- | -mm- |
| 12 | 3 | | 3 | |
| 14 | 3 | | 3 | |
| 16 | 4 | | 4 | |
| 19 | 4 | | 4 | |
| 22 | 4,5 | | 4,5 | |
| 24 | 4,5 | | 4,5 | |
| 26 | 4,5 | | 4,5 | |
| 28 | 4,5 | | 4,5 | |
| 32 | 5 | | 5 | |
| 36 | 5 | | 5 | |
| 40 | 5 | | 5 | |
| 44 | 5 | | 5 | |
| 47 | 5 | | 5 | |
| 50 | | | 5 | |
| 54 | | | 5 | |
| 57 | | | 5 | |
| 62 | | | 5 | |
| 67 | | | 5 | |
| 71 | | | 5 | |
| 74 | | | 5 | |
| 78 | | | 5 | |
| 84 | | | 5 | |
| 86 | | | 5 | |
| 90 | | | 5 | |
| 96 | | | 5 | |
| 103 | | | 5 | |
| 106 | | | 5 | |

Accessories

C.2 Control: Accessories



OC KS6/KS8 MVA



Customized software



Electronic caliper



Calibration mandrel



Barcode scanner

UTS/UDL
Data transferULS
UNIFLEX label system807.2
Screen protector



Press designed specifically for the production of automotive hoses. A good example for such a tailor-made solution is the HMC 1-25 and the HMC 1-30 with patented C-shaped crimping tool designed for radial insertion of complex hose lines. This special press is an ergonomically designed, low-noise machine that requires no lubrication. It has been specifically devised for the production of hoses for the automotive industry, offering outstanding press forces and precision. With PFC and other optional features, you can adjust the press force to process materials that are easily damaged, producing strong and lasting connections without any need for gluing, screwing or welding.



HMC 1-25 | HMC 1-30

| |
|--|
| Innovative design with C-shaped crimping tools |
| Compact dies for easy crimping of 90° elbow fittings |
| Radial workpiece insertion |
| High-level components and system solutions |
| Quality pumps designed for low-noise operation |
| Slide bearing technology |
| Optimised productivity with minimum maintenance costs |
| Reduces crimping force loss by up to 20% |
| Grease-free for extra cleanliness and prolonged service life |
| No greasy dirt deposits |
| New Control C user interface |
| Touch control screen |
| Programmable crimp dimensions and pressure measurement |
| Large product memory for efficient production management |
| HID compliant |
| CE compliant |

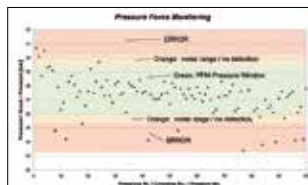
We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package

HMC 1-25 | HMC 1-30
 Package = Machine
 + PB Ø 17, 20, 24, 28, 32, 40, 44, 50

Standard – Pressure Force Monitoring

PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing. Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety. This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.



Additional Information



Radial insertion of workpieces, catering even to 90° bends.



Sliding table with handle.



Double head system.

HMC 1-25 | HMC 1-30

| Technical data | HMC 1-25 | HMC 1-30 |
|------------------------------|------------------|------------------|
| Crimp force (kN / Ton) | 250 / 25 | 300 / 30 |
| No grease: 20% less friction | ✓ | ✓ |
| Control | Control C.2 | Control C.2 |
| Max. crimping range | 70 mm | 70 mm |
| Opening without dies | 90 mm | 90 mm |
| Type of dies | 239 | 239 |
| Speed (mm / sec) | | |
| Close | 30 | 30 |
| Crimp | 5 | 5 |
| Open | 50 | 50 |
| Noise level | < 80 dBA | < 80 dBA |
| Drive | 4 kW | 4 kW |
| Oil | 100 L | 100 L |
| L x W x H (mm) | 650 x 590 x 1700 | 650 x 590 x 1700 |
| Weight | 320 kg | 320 kg |

| Type of dies | |
|--------------|------------|
| | 239 |
| Ø mm | -mm- |
| 6,8 | 38 |
| 9 | 38 |
| 10 | 38 |
| 12 | 38 |
| 14 | 38 |
| 16 | 38 |
| 17 | 38 |
| 19 | 38 |
| 20 | 38 |
| 22 | 38 |
| 24 | 38 |
| 26 | 38 |
| 28 | 38 |
| 30 | 38 |
| 31 | 38 |
| 32 | 38 |
| 34 | 38 |
| 36 | 38 |
| 38 | 38 |
| 39 | 38 |
| 40 | 38 |
| 44 | 38 |
| 47 | 38 |
| 50 | 38 |
| 54 | 38 |
| 57 | 38 |
| 62 | 38 |

Accessories

C.2 Control: Accessories



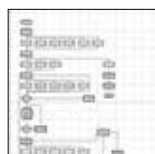
PTS Die marking



OC HM 3xx/HM 245



Sliding table with handle



Customized software



Electronic caliper



Calibration mandrel



Barcode scanner



LUS / LUF Light



SHS Mirror



PS.2 Double foot pedal



UTS/UDL Data transfer



ULS UNIFLEX label system



807.2 Screen protector



Special jobs require special machines. A good example of a press designed specifically for the production of automotive hoses is the HM 245 with patented C-shaped crimping tool designed for radial insertion of complex hose lines. The HM 245 now comes with 25% extra press force (increased from 60 to 75 t) and the new Control C.2. This special press is an ergonomically designed, low-noise machine that requires no lubrication and offers outstanding press forces and precision. With PFC and other optional features, you can adjust the press force to process materials that are easily damaged, producing strong and lasting connections without any need for gluing, screwing or welding.



HM 245

Innovative design with C-shaped crimping tools

- Compact dies for easy crimping of 90° elbow fittings
- Radial workpiece insertion
- Permanent axial centre for easy automated insertion

High-level components and system solutions

- Quality pumps designed for low-noise operation
- Positively integrated lateral guides for optimised die positioning in a compact machine

Slide bearing technology

- Optimised productivity with minimum maintenance costs
- Reduces crimping force loss by up to 20%
- Grease-free for extra cleanliness and prolonged service life
- No greasy dirt deposits

New Control C user interface

- Touch control screen
- Programmable crimp dimensions and pressure measurement
- Large product memory for efficient production management
- HID compliant

CE compliant

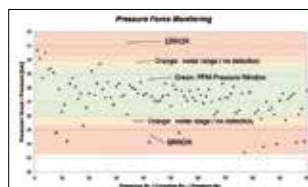
We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package

HM 245
 Package = Machine
 + PB Ø 17, 20, 24, 28, 32, 40, 44, 50

Standard – Pressure Force Monitoring

PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing. Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety. This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.



HM 245

Additional Information



Radial insertion of workpieces, catering even to 90° bends.



Sliding table with handle 249.3400.



Constant axial centre when crimping jaws are closed.

| Technical data | HM 245 |
|------------------------------|-------------------|
| Crimp force (kN / Ton) | 750 / 75 |
| No grease: 20% less friction | ✓ |
| Control | Control C.2 |
| SAE R 12* 1 piece fitting | 1" |
| SAE R 12* 2 piece fitting | 3/4" |
| Max. crimping range | 70 mm |
| Radial opening | 75 mm |
| Axial opening without dies | 105 mm |
| Speed (mm / sec) | |
| Close | 27 |
| Crimp | 5 |
| Open | 30 |
| Type of dies | 239 |
| Noise level | 53 dBA |
| Drive | 4,0 kW |
| Oil | 100 L |
| L x W x H (mm) | 1020 x 950 x 1450 |
| Weight | 610 kg |

* According to the fitting.

Type of dies

| Ø mm | -mm- |
|------|------|
| 6,8 | 50 |
| 9 | 50 |
| 10 | 50 |
| 12 | 50 |
| 14 | 60 |
| 16 | 60 |
| 17 | 60 |
| 19 | 60 |
| 20 | 60 |
| 22 | 60 |
| 24 | 60 |
| 26 | 75 |
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| 34 | 75 |
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| 39 | 75 |
| 40 | 75 |
| 44 | 75 |
| 47 | 75 |
| 50 | 75 |
| 54 | 75 |
| 57 | 75 |
| 62 | 75 |

Accessories



PTS Die marking



SHS Mirror



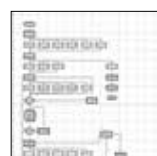
OC HM 3x/HM 245



LUS / LUF Light



Sliding table with handle 249.3400.



Customized software



Electronic caliper



Calibration mandrel



Barcode scanner



PS.2 Double foot pedal



UTS/JDL Data transfer



ULS UNIFLEX label system



807.2 Screen protector

C.2 Control: Accessories

Our production crimper models HM 380, HM 480, HM 495, HM 660, HM 665 and HM 1200 are ideal for the crimping of insulators, cables, steel ropes and reinforcing steel elements.



HM 480

High-level components and system solutions

- HiLo cylinder - for enhanced power without extra heat / risk of overheating
- Compact ergonomic design
- Large basic jaws suitable for the crimping of virtually any fitting type
- Lateral reinforcement for optimised product quality
- Low-noise operation thanks to special pumps

Fixed 6-o'clock die

- For force-free and accurate workpiece positioning
- Enhanced productivity
- Improved workplace safety and less stress for operating personnel

Slide bearing technology

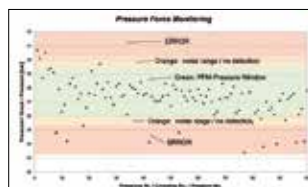
- Grease-free for extra cleanliness and prolonged service life
- Maximised productivity at very low operating costs
- Chips brush off easily, minimising tool wear
- Hoses remain grease-free
 - Ideal for hoses designed for the food or pharmaceutical industry
 - Reduced tool wear
- Reduces crimping force loss by up to 20%
- High process stability and reproducible accuracy

CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Standard

PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing. Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety. This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.



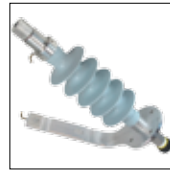
HM 380 | HM 480
HM 660 | HM 1200



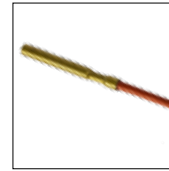
(Cooper-) Cable



Rebar fasteners



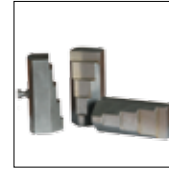
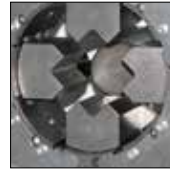
Insulator



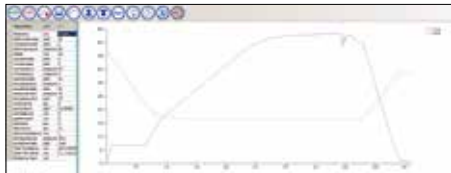
Heater



Aircon hose

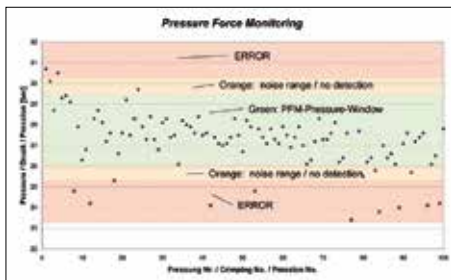


Special dies for forming tubes with square or round ends.



Option: PFC

PFC (Pressure Force Control) makes it possible to crimp pressure-sensitive work pieces, such as fiberglass insulators. Resulting in a stable connection that will endure extreme forces. PFC is based on the adjustability of the applied crimp force to take into account the individual material characteristics. This secures the highest quality of your products – without having to glue, screw or weld! It is a special demand for a machine crimping with PFC. To find the ideal crimper for you, please contact your local UNIFLEX salesperson.



Standard: PFM

PFM gives you the option to achieve a substantial quality improvement - for a comparatively small investment of time and money. And here is how it works: After each crimp process with the PFM-Option the reached crimp value is shown. Out of these measures the start values for the upper- or lower pressure limit can be determined. During each crimp process, the permanently measured crimp value is compared to the entered limits. If this exceeds the set limits, an error message is shown. At the end of the crimp process it is tested once more if the minimal pressure has been reached. In the case of an error, the operator has the option to check the workpiece thoroughly and to correct any sources of the error. During a detailed examination with the PFM-option, the quality of a production process was increased from 97.8% to 99.7%. The UNIFLEX PFM option revealed that 2% of all produced parts had defects, thus preventing these defective parts from being delivered to customers.



Accessories: UTS/UDL

UTS enables a comfortable article entry via a PC. The data can be entered in a set MS Excel-sheet and be transferred with UTS to the Control C.2. Therefore, it is possible to compare the data from a number of machines, provide documentation and backup in one go. All crimpings can be documented with UTS, especially with the PFM option, which saves the pressure value as an additional parameter.

Accessories

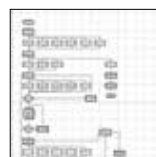
C.2 Control: Accessories



PTS Die marking



OC HM 3xx/HM 245



Customized software



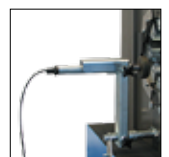
Electronic caliper



Calibration mandrel



Barcode scanner



TA (A) Depth stop



GDS 239 C



LUS / LUF Light



PS.2 Double foot pedal



UTS/UDL Data transfer



ULS UNIFLEX label system



807.2 Screen protector



Stability, innovation and crimping force characterize the new UNIFLEX HMC 12-2000 crimper.

This machine is not only able to crimp the biggest hoses ever for a UNIFLEX machine, it is also the most compact one for mobile work in UNIFLEX history. The HMC 12-2000 is the most solid built C-crimper of the 2000 ton category due to its integrated powerbooster for high crimping forces. After a long period of research and development in the field of FEM, this machine outshines all others of its category. UNIFLEX defines new crimping techniques and focuses on the highest quality and user-friendliness as well as on advanced materials.



HMC 12-2000

High-level components and system solutions

- HiLo cylinder - for enhanced power without extra heat / risk of overheating
- Compact ergonomic design provides ergonomic work and mobile usage for fixed pieces
- Large basic jaws suitable for the crimping of virtually any fitting type
- Lateral reinforcement for optimised product quality

Patented design

- New FEM calculation used
- Tool can be removed separately
- Stable, innovative
- Low maintenance

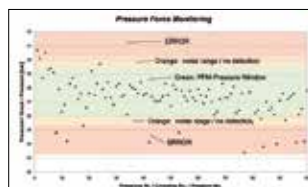
Slide bearing technology

- Grease-free for extra cleanliness and prolonged service life
- Maximised productivity at very low operating costs
- Hoses remain grease-free
 - Ideal for hoses designed for the food or pharmaceutical industry
 - Reduced tool wear
- Reduces crimping force loss by up to 20%
- High process stability and reproducible accuracy

CE compliant

Standard

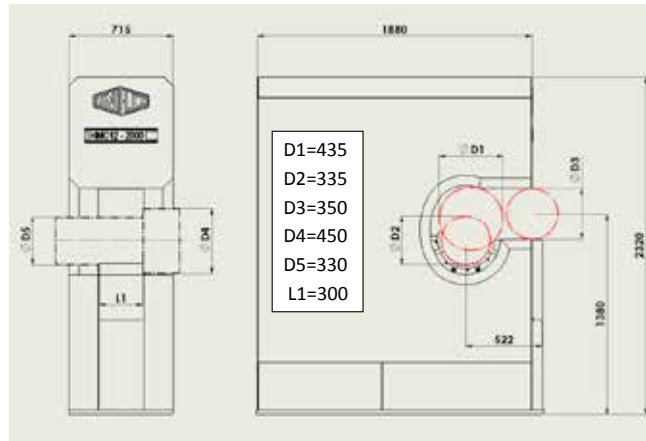
PFM – Standard on all machines with C.2 Control



Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing. Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety. This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.



HMC 12-2000



| Technical data | HMC 12-2000 |
|---------------------------------------|-----------------------|
| Crimp force (ton) | 20 000 / 2 000 |
| No grease: 20% less friction | ✓ |
| Control | Control C.2 |
| SAE R15 4SH 1 piece | 3" |
| SAE R15 4SH 2 pieces | 3" |
| Industry | 12" |
| 90 ° bow | 3" |
| Max. crimp range (mm) with basic dies | 380 |
| Crimping | Ø PB +50 |
| Opening without dies | 435 mm |
| Die type | 247, 245, 237 |
| Speed (mm/sec) | upon request, |
| Close / crimp / open | depends on power unit |
| L x W x H (mm) | 2000 x 750 x 2400 |
| Weight of tool (ton) | 15 |

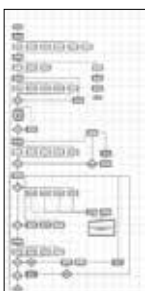
| More technical data according to the graphic above |
|--|
| D1 = Max. axial diameter 435 mm |
| D3 = Max. radial opening 350 mm |
| D4 = Max. flange diameter 450 mm |
| D5 = Diameter basic dies 330 mm |
| L1 = Wide basic dies 300 mm |

| Type of dies | |
|--------------|--------------|
| | 237 L |
| Ø mm | -mm- |
| 54 | 118 |
| 57 | 118 |
| 62 | 118 |
| 67 | 118 |
| 71 | 118 |
| 74 | 118 |
| 78 | 118 |
| 84 | 118 |
| 86 | 118 |
| 90 | 118 |
| 96 | 118 |
| 103 | 118 |
| 106 | 126 |
| 111 | 126 |
| 116 | 126 |
| 121 | 126 |
| 126 | 126 |
| 131 | 126 |

| Type of dies | |
|--------------|------------|
| | 245 |
| Ø mm | -mm- |
| 103 | 130 |
| 106 | 130 |
| 111 | 130 |
| 116 | 130 |
| 121 | 130 |
| 126 | 130 |
| 131 | 130 |
| 136 | 130 |
| 146 | 150 |
| 156 | 150 |
| 170 | 150 |
| 185 | 150 |
| 200 | 150 |

| Type of dies | |
|--------------|------------|
| | 247 |
| Ø mm | -mm- |
| 96 | 130 |
| 106 | 130 |
| 126 | 130 |
| 131 | 130 |
| 136 | 130 |
| 146 | 150 |
| 156 | 150 |
| 170 | 170 |
| 185 | 200 |
| 200 | 200 |
| 215 | 200 |
| 230 | 200 |
| 245 | 200 |
| 260 | 200 |
| 275 | 200 |
| 290 | 200 |
| 305 | 200 |

C.2 Control: Accessories



Customized software



Electronic caliper



Calibration mandrel



Barcode scanner



PS.2 Double foot pedal



UTS/UDL Data transfer



ULS UNIFLEX label system



807.2 Screen protector



The **ICM 300** has been specifically developed for the cutting of insulators and glass fibre rods.

The **ITM 300** is a drawing bench designed for the testing of insulators. As safety comes first, insulators must meet stringent safety standards – even under extreme loads. To ensure that they meet these requirements, UNIFLEX has designed a sturdy, special drawing bench for insulator testing.



ICM 300

| Quality and flexibility |
|--|
| Diamond cutting blade |
| Roller conveyors at both ends (3000 / 2000 mm) |
| Extraction system with dust filter |
| Adjustable cutting length 150 - 2000 mm (adjustable by means of integrated length measuring and clamping tool) |



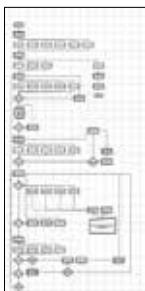
ITM 300

| Insulator table with adjustable height |
|--|
| Easy tooling for increased productivity |
| Requires minimal maintenance |
| Ergonomic design |
| Easy tooling for increased productivity |
| Low-noise hydraulic pump for stress-free working |
| Insulator table with adjustable height |
| Siemens industrial colour touch panel |
| Clear visual display |
| Large product memory |
| Programmable product sequences |
| Network connection |
| USB interfaces |
| Safety |
| CE compliant |
| Makrolon® safety inspection panel |
| Safety unit with protective switch/EMERGENCY-STOP device |

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

C.2 Control: Accessories

Accessories ITM 300



Customized software



UTS/UDL
Data transfer



807.2
Screen protector



Barcode scanner



888.074
Network printer



BCR CtrlC
Barcode scanner



701.2200 Extension
element 3000 mm



701.050, 701.051,
701.052, 701.053
Fork head connector with
bolts (insulators)



ICM 300

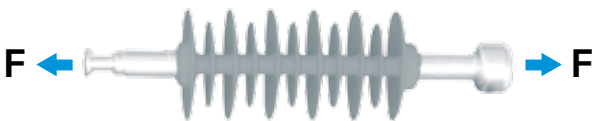


ITM 300

Tensile test bench for composite insulator testing

- 3 different test schedules: routine proof testing, failure load test and 96-hour time test
- Silent hydraulic screw pump
- Clamping heads with roller device
- Clamping heads with functional clevis to adapt several insulator connectors
- Buckling resistant base frame; optimized for minimal elasticity
- Modular base frame base element with 2 or 3 windows for visual control extension (optional)
- Cover opening 90° (crane loading possible)
- Height-adjustable insulator shelf

| Technical data | ICM 300 | Technical data | ITM 300 |
|-----------------|----------------|--|--------------------------------------|
| Insulation rods | Ø 16 bis 88 mm | Tension force (kN / t) | 300 / 30 |
| Cutting blade | Ø 305 x 30 mm | Piston stroke | 500 mm |
| Drive | 2 kW | Force transfer | Computer-controlled servo-hydraulic |
| Noise level | 93 dBA | Control | C.2 |
| | | Noise emission | 53 dBA |
| | | Max. insulator diameter | 250 mm |
| | | Max. testing length with basic unit | 540 mm |
| | | Additional testing length with extension element | 3000 mm (Accessory) |
| | | L x W x H test unit | 3000 x 780 x 1670 |
| | | L x W x H aggregate | 1000 x 1200 x 1700 |
| | | Weight of test unit | 1400 kg |
| | | Weight of extension element | 1100 kg |
| | | Weight of aggregate | 230 kg |
| | | Notebook shelf | Swivelling mechanism for extra space |
| | | Voltages | |
| | | ITM 300_MVA 230V-480 V 50/60 Hz 3 Ph | other ratings available on request |



Additional Information ICM 300 Additional Information

- Insulator rod cutting machine
- Diamond-coated cutting blade Ø 300 mm
- Roller guided on both sides with a side length of 3000 / 2000 mm
- Exhaust system with dust filter
- Cutting length variable from 150 up to 2000 mm; adjustable length measurement with clamping device



Diamond-coated cutting blade



Variable cutting length



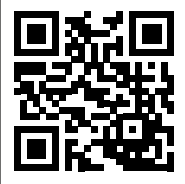
Swivelling notebook shelf



Designed for easy setup and tooling



Exhaust system with dust filter



www.uxinside.net

Training and Certification.

Promote Quality!

Registration

UNIFLEX Hydraulik GmbH Department:
Service and Training

E-Mail: training@uniflex.de
www.uxinside.net



Specialist workshop for hose assembling

UNIFLEX.de
made in Germany

UX Inside



LXinside
Company Name
LXMM18/12/109
LX18/10/109
QR CODE

Assembling hose and fittings with safety as priority No. 1



TRAINING CONCEPT

Advanced training is an important investment in the future of a company in order to maintain or enhance quality and safety. As a supplier of machinery for production of hose assemblies, we are continuously extending our product range to meet the requirements of the market. Furthermore, we supply the appropriate material to our customers and we offer training courses, which qualify for production of hose assemblies meeting the high requirements regarding safety and quality. First-Class skilled personnel with expert know-how provide decisive competitive advantages. The production of hose assemblies with the best machines available on the global market ensures quality and safety.

TRAINING

Interesting to know

In 2016, we commissioned a market study showing the following interesting results:

Many manufacturers of hose assemblies are using targeted trainings and practical trainings for the advanced training of their employees.

But only approximately 23% of the employees of those companies are qualified regarding hoses, even though 76.3% of all customers suppose that their supplier has properly trained personnel!

1. HOSE ASSEMBLING

Theory and practice

Target Group

Manufacturers of hydraulic hose assemblies, using UNIFLEX machinery for production. Employees of the hose assembly department, quality control, maintenance and sales departments.

Theory

The participants acquire basic knowledge about

- Types of hose selection
- Rubber and thermoplastic hoses
- International standards and regulations
- Storage and storage periods of hose
- Hose fittings and connection forms

Practice

- Production of hose assemblies with UNIFLEX machines
- Cutting hose
- Marking of hose fittings
- Skiving, internal and external
- Crimping with production and service crimpers
- Cleaning and inspection of the hose assemblies

93.2% of all customers expect technical recommendations from their hose supplier.

42.5% of the customers believe that sales growth is associated with the requirement to train the customers regarding quality.

23.7% have a vocational education in hydraulics or fluid technology.

Only 10.2% believe that training is not the decisive factor for purchasing a machine, only the price.

2. MACHINE MAINTENANCE

Maintenance and repair of UNIFLEX machines

The participants acquire basic knowledge about the functioning of the machines, their maintenance and repair.

Practice

All types of machine maintenance work is carried out by our experienced service staff.

Duration of training

2 days: Day 1 – basic of hose assembling, theory and practice
Day 2 – machine maintenance

maximum 8 persons per course

Start: 09:00 h

Cost

Each participant 795,00 € / p.P.

The participation fee includes refreshments, lunch and course materials.

Info and Inscriptions

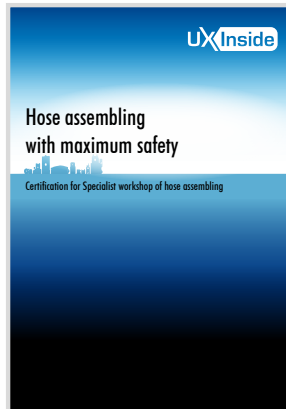
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Experience the Value using UNIFLEX Machines! Share it with your Customer.

UNIFLEX Machine + Certification

+ Training
Your service and sales team.

+ ULS
(UxInside Label)



= Workshop certified.

Assembling hose and fittings with UNIFLEX machines

1 Clean and correctly cut hose

2 Exact correct hose - internal diameter

3 Safety selected fitting

4 Hose and assembly of hose

5 Hose and assembly of hose

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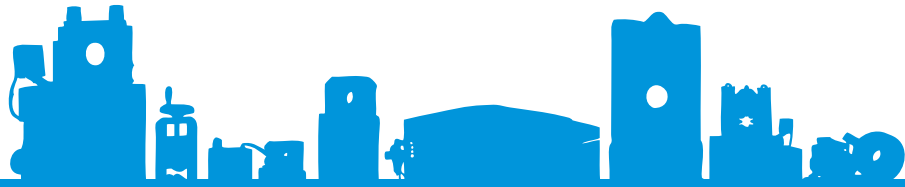
100 Hose and assembly of hose

Specialist workshop for hose assembling

UNIFLEX.de
made in Germany

UxInside

PROMOTE QUALITY!



UNIFLEX Special Innovations

– often copied, never reached!



We reserve the right to make technical changes without notice. Based on the customer-specific hose line system the working range of the machines may vary.

Where we are and how to reach us.



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