

SHEAR CUTTING



ERMAKSAN
INNOVATIVE TECHNOLOGIES

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CNC HVR

HYDRAULIC GUILLOTINE
SHEAR

Automatic Solutions, Perfect Cuttings...

When you enter length, thickness and quality data of the metal sheet to be cut into easily programmable controller; blade gap, cutting angle and cutting length are automatically adjusted at the same moment. This provides flexibility for various production requests, and prevents time losses completely by aiming high efficiency.

By selecting CNC HVR model developed by ERMAKSAN engineers; you will bring up to date technology to your company with maximum safety, high accuracy and unique ease of handling.

- Precise cutting
- Full automatic
- Long life blades
- Flexibility
- Performance
- Simple usage



LED FITTED BODY

Aesthetics is added to the machine and additionally machine cutting with light is enabled without any need to workshop lights thanks to LED fitted body.

CONTROLLER (ErCut7)

7" touch screen controller developed by ERMAKSAN is very user friendly by its intuitive interface.



CENTRAL LUBRICATION

Automatic lubrication ensures the extended lifetime of the machine by lubrication of required parts automatically without operator.

ANTI TWIST SYSTEM

Anti twist system holds the sheet during cutting operation against top blade movement and prevents twisting of thick and narrow cuts.

RTS (Return To Sender)

RTS system allows to make several operations in minimum time on a same sheet after each cutting operation of the sheet to the front of the machine.

X TYPE PNEUMATIC SHEET SUPPORT SYSTEM

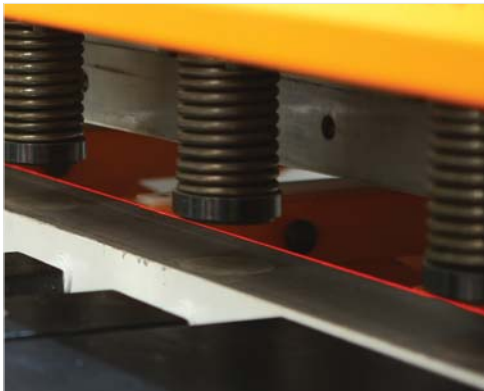
Pneumatic X type sheet support system ensures more precise cuts with preventing hanging down wide and thin sheets during cutting operation. The main difference of X type levers is to operate parallel to the ground and supporting the sheet all way of cutting.

CNC HVR

GENERAL SPECIFICATIONS



■ Illuminated finger protection system with high safety protection degree and enabling fast operation (O)



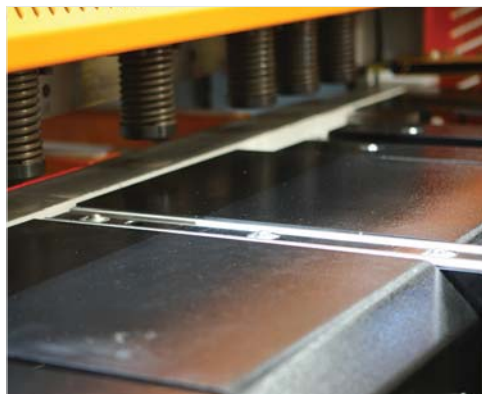
■ Angled and lined cutting can be controlled easily thanks to laser cutting line (S)



■ In addition to stylish and aesthetics design LED fitted enclosure provides more precise cutting thanks to illumination generated during operation (S)

STANDARD EQUIPMENT

- Hardened blades
 - Top blade = 4 cutting edges
 - Bottom blade = 4 cutting edges
- Portable foot pedal eligible for single and automatic cutting
- CNC controlled hydraulic blade gap adjustment system
- CNC controlled cutting angle adjustment system
- ErCut 7 Controller
- CNC controlled motorized backgauge
- 1000 mm motorized backgauge system with 0,1 mm accuracy
- Front support arms with T-slot and scale
- Front squaring arm
- Metric and inch gauges
- Illumination lamp and shadow line
- Emergency stop buttons
- Swing up backgauge
- Central lubrication system
- Collapsible 1 mt finger protection with switch
- Rear sheet sliding plates
- Front sliding plates with ball bearings on the table
- 350 mm throat depth
- Pendant controller arm



■ Front sheet sliding table with ball bearings enables faster cutting by simplifying operation and sheet metal loading (O)

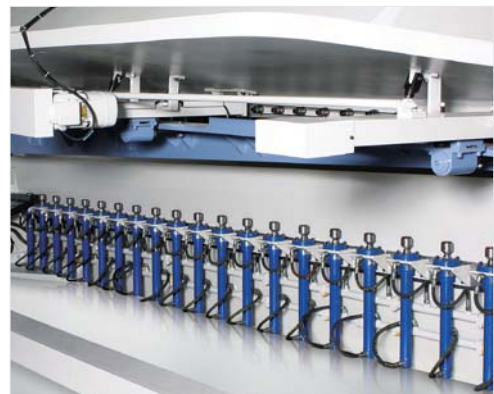


OPTIONAL EQUIPMENT

- Different types of pneumatic sheet support systems:
 - Lever type
 - Mono-block type
 - X type
- 0°-180° angle gauge
- Front sheet metal support system up to 6 m length
- 500 mm and over throat depth
- Oil cooler and heater
- Laser cutting line
- Sliding support arms
- Finger guard curtains
- Anti twist system
- Different colour options
- Dynamic servo backgauge
- Sheet feeding system
- Conveyor
- Scrap separator
- Stacker systems
- X1-X2 angle adjustable backgauge systems



■ X type sheet metal support system operates parallel to ground to support the sheet metal during cutting period (O)



■ Anti twist system prevents twisting of sheet metals by holding the sheet metal being cut against top blade moves during cutting period (O)



■ Angle adjusted front sheet metal loading system enables angled cutting of sheet metal (O)

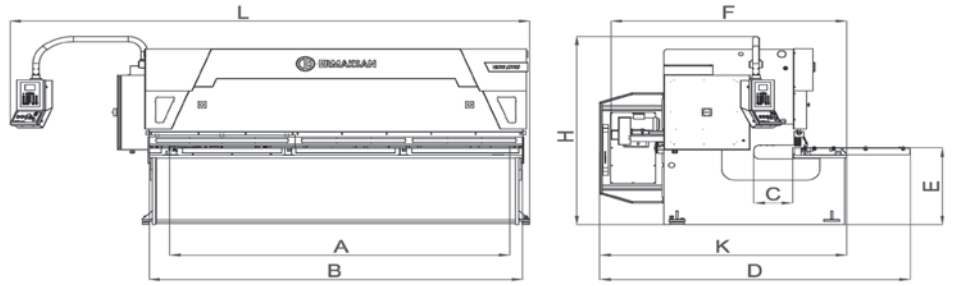


■ Sheet metal being cut can slide with minimum scratch thanks to rollers and bearings on lever type pneumatic sheet metal support system (O)

TECHNICAL SPECIFICATIONS

TYPE	CUTTING LENGTH	CUTTING CAPACITY (42 kg/mm ²)	CUTTING CAPACITY (70 kg/mm ²)	CUTTING ANGLE	STROKE PER MINUTE	NUMBER OF HOLD DOWNS	PRESSURE	MAIN MOTOR	BACK GAUGE MOTOR	BACK GAUGE STROKE	BACK GAUGE SPEED
	A										
	mm (feet)	mm (inc)	mm (inc)	(°)	1/Sec	Amount	Ton (Us Tons)	KW (HP)	KW (HP)	mm (inc)	mm/s (inc/s)
CNC HVR 3100 - 6 (10-0.24)	3100 (10)	6 (0,24)	4 (0,16)	0.5 - 1.5	16 - 24	14	12 (13,2)	11 (15)	0,75 (1)	1000 (39,4)	110 (4,33)
CNC HVR 3100 - 10 (10-0.39)	3100 (10)	10 (0,39)	6 (0,24)	0.5 - 2	12 - 22	14	24 (26,4)	22 (30)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 3100 - 13 (10-0.51)	3100 (10)	13 (0,51)	8 (0,31)	0.5 - 2	11 - 20	14	31 (34,1)	22 (30)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 3100 - 16 (10-0.63)	3100 (10)	16 (0,63)	10 (0,39)	0.5 - 2.5	9 - 16	14	42 (46,2)	30 (40)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 3100 - 20 (10-0.79)	3100 (10)	20 (0,79)	13 (0,5)	0.5 - 2.5	7 - 13	14	54 (59,4)	37 (50)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 3100 - 25 (10-0.98)	3100 (10)	25 (0,98)	15 (0,59)	0.5 - 2.5	6 - 10	20	76 (83,6)	45 (60)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 3100 - 30 (10-1.18)	3100 (10)	30 (1,18)	18 (0,71)	0.5 - 3	4 - 7	20	100 (110)	45 (60)	1,5 (2)	1000 (39,4)	110 (4,33)
CNC HVR 3100 - 35 (10-1.38)	3100 (10)	35 (1,38)	20 (0,8)	0.5 - 3	4 - 7	20	125 (137,5)	55 (74)	2,2 (3)	1000 (39,4)	110 (4,33)
CNC HVR 3100 - 40 (10-1.57)	3100 (10)	40 (1,57)	25 (0,98)	0.5 - 3	2 - 4	20	150 (165)	75 (101)	2,2 (3)	1000 (39,4)	110 (4,33)
CNC HVR 4100 - 6 (13.4-0.24)	4100 (13.4)	6 (0,24)	4 (0,16)	0.5 - 1.5	14 - 22	18	15 (16,5)	11 (15)	0,75 (1)	1000 (39,4)	110 (4,33)
CNC HVR 4100 - 10 (13.4-0.39)	4100 (13.4)	10 (0,39)	6 (0,24)	0.5 - 2	10 - 17	18	28 (30,8)	22 (30)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 4100 - 13 (13.4-0.51)	4100 (13.4)	13 (0,51)	8 (0,31)	0.5 - 2	9 - 15	18	40 (44)	22 (30)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 4100 - 16 (13.4-0.63)	4100 (13.4)	16 (0,63)	10 (0,39)	0.5 - 2.5	7 - 13	18	52 (57,2)	30 (40)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 4100 - 20 (13.4-0.79)	4100 (13.4)	20 (0,79)	13 (0,5)	0.5 - 2.5	6 - 11	18	67 (73,7)	37 (50)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 4100 - 25 (13.4-0.98)	4100 (13.4)	25 (0,98)	15 (0,59)	0.5 - 2.5	5 - 9	25	88 (96,8)	45 (60)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 4100 - 30 (13.4-1.18)	4100 (13.4)	30 (1,18)	18 (0,71)	0.5 - 3	3 - 5	25	120 (132)	45 (60)	1,5 (2)	1000 (39,4)	110 (4,33)
CNC HVR 4100 - 35 (13.4-1.38)	4100 (13.4)	35 (1,38)	20 (0,8)	0.5 - 3	3 - 5	25	145 (159,5)	55 (74)	2,2 (3)	1000 (39,4)	110 (4,33)
CNC HVR 4100 - 40 (13.4-1.57)	4100 (13.4)	40 (1,57)	25 (0,98)	0.5 - 3	2,5 - 4	25	170 (187)	75 (101)	2,2 (3)	1000 (39,4)	110 (4,33)
CNC HVR 6100 - 6 (20-0.24)	6100 (20)	6 (0,24)	4 (0,16)	0.5 - 1.5	9 - 15	26	20 (22)	22 (30)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 6100 - 10 (20-0.39)	6100 (20)	10 (0,39)	6 (0,24)	0.5 - 2	8 - 13	26	44 (48,4)	22 (30)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 6100 - 13 (20-0.51)	6100 (20)	13 (0,51)	8 (0,31)	0.5 - 2	6 - 11	26	60 (66)	22 (30)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 6100 - 16 (20-0.63)	6100 (20)	16 (0,63)	10 (0,39)	0.5 - 2.5	5 - 9	26	76 (83,6)	30 (40)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 6100 - 20 (20-0.79)	6100 (20)	20 (0,79)	13 (0,5)	0.5 - 2.5	4 - 7	26	96 (105,6)	37 (50)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 6100 - 25 (20-0.98)	6100 (20)	25 (0,98)	15 (0,59)	0.5 - 2.5	3 - 5	36	123 (135,3)	45 (60)	1,1 (1,5)	1000 (39,4)	110 (4,33)
CNC HVR 6100 - 30 (20-1.18)	6100 (20)	30 (1,18)	18 (0,71)	0.5 - 3	2 - 3	36	160 (176)	45 (60)	1,5 (2)	1000 (39,4)	110 (4,33)
CNC HVR 6100 - 35 (20-1.38)	6100 (20)	35 (1,38)	20 (0,8)	0.5 - 3	2 - 3	36	180 (198)	55 (74)	2,2 (3)	1000 (39,4)	110 (4,33)
CNC HVR 6100 - 40 (20-1.57)	6100 (20)	40 (1,57)	25 (0,98)	0.5 - 3	1 - 2	36	210 (231)	75 (101)	2,2 (3)	1000 (39,4)	110 (4,33)

* All technical specifications are subject to change without prior notice.



OIL CAPACITY	BLADE GAP ADJUSTMENT	NUMBER OF FRONT SUPPORT ARM	TABLE LENGTH	THROAT DEPTH	MACHINE WIDTH	TABLE HEIGHT	TRANSPORT WIDTH	LENGTH	WIDTH	HEIGHT	WEIGHT	
			B	C	D	E	F					
lt. (Us Gallon)	mm (inc)	Amount	mm (inc)	mm (inc)	Ops. mm (inc)	mm (inc)	mm (inc)	mm (inc)	mm (inc)	mm (inc)	kg (lbr.)	
150 (39,6)	0.05 - 0.8 (0.02 - 0.3)	2	3500 (137,8)	350 (13,8)	500 (19,7)	2900 (114,2)	900 (35,4)	2200 (86,6)	4980 (196,1)	2315 (91,1)	2225 (87,6)	7250 (15986)
260 (68,7)	0.05 - 1.3 (0.02 - 0.5)	2	3640 (143,3)	350 (13,8)	500 (19,7)	3000 (118,1)	910 (35,8)	2265 (89,2)	5100 (202,8)	2425 (95,5)	2250 (87,8)	10230 (22601)
310 (81,9)	0.05 - 1.5 (0.02 - 0.6)	2	3680 (144,9)	350 (13,8)	500 (19,7)	3100 (122,0)	900 (35,8)	2315 (91,1)	5110 (201,2)	2570 (101,2)	2400 (94,5)	12650 (28004)
500 (132,1)	0.05 - 1.9 (0.02 - 0.7)	2	3760 (148,0)	350 (13,8)	500 (19,7)	3240 (127,6)	900 (35,4)	2340 (92,1)	5210 (205,1)	2700 (106,3)	2450 (96,5)	16500 (38080)
500 (132,1)	0.05 - 2.3 (0.02 - 0.9)	2	3800 (149,6)	350 (13,8)	500 (19,7)	3240 (127,6)	900 (35,4)	2355 (92,7)	5220 (205,5)	2700 (106,3)	2550 (100,4)	18900 (41675)
800 (211,4)	0.05 - 3.0 (0.02 - 0.12)	2	3880 (152,8)	350 (13,8)	500 (19,7)	3240 (127,6)	1000 (39,4)	2430 (95,7)	5250 (206,7)	2725 (107,3)	2900 (114,2)	27600 (60858)
800 (211,4)	0.05 - 4 (0.02 - 0.16)	2	3835 (151,0)	350 (13,8)	500 (19,7)	3760 (148,0)	1100 (43,3)	2750 (108,3)	5560 (218,9)	2750 (108,3)	3280 (129,1)	43000 (94815)
800 (211,4)	0.05 - 4.5 (0.02 - 0.18)	2	4000 (157,5)	350 (13,8)	500 (19,7)	3850 (151,6)	1150 (45,3)	2900 (114,2)	5725 (225,4)	2900 (114,2)	3600 (141,7)	55000 (121275)
1000 (264,2)	0.05 - 5.5 (0.02 - 0.22)	2	4030 (158,7)	350 (13,8)	500 (19,7)	4180 (164,6)	1150 (45,3)	3030 (119,3)	6070 (239,0)	3030 (119,3)	4360 (171,7)	79000 (174195)
150 (39,6)	0.05 - 0.8 (0.02 - 0.03)	3	4500 (177,2)	350 (13,8)	500 (19,7)	2900 (114,2)	950 (37,4)	2200 (86,6)	6000 (236,2)	2315 (91,1)	2320 (91,3)	10450 (22601)
260 (68,7)	0.05 - 1.3 (0.02 - 0.05)	3	4640 (182,7)	350 (13,8)	500 (19,7)	3150 (124,0)	1000 (39,4)	2270 (89,4)	6100 (240,2)	2580 (101,6)	2460 (96,9)	15100 (33296)
310 (81,9)	0.05 - 1.5 (0.02 - 0.06)	3	4680 (184,3)	350 (13,8)	500 (19,7)	3240 (127,6)	1000 (39,4)	2325 (91,5)	6120 (240,9)	2700 (106,3)	2600 (102,4)	18450 (40793)
500 (132,1)	0.05 - 1.9 (0.02 - 0.07)	3	4760 (187,4)	350 (13,8)	500 (19,7)	3240 (127,6)	1000 (39,4)	2340 (92,1)	6220 (244,9)	2700 (106,3)	2700 (106,3)	23200 (52259)
500 (132,1)	0.05 - 2.3 (0.02 - 0.09)	3	4800 (189,0)	350 (13,8)	500 (19,7)	3270 (128,7)	1000 (39,4)	2355 (92,7)	6220 (244,9)	2700 (106,3)	2700 (106,3)	26700 (61740)
800 (211,4)	0.05 - 3.0 (0.02 - 0.12)	3	4880 (192,1)	350 (13,8)	500 (19,7)	3240 (127,6)	1100 (43,3)	2440 (96,1)	6500 (255,9)	2725 (107,3)	3235 (127,4)	37700 (83129)
800 (211,4)	0.05 - 4 (0.02 - 0.16)	3	4920 (193,7)	350 (13,8)	500 (19,7)	3450 (135,8)	1150 (45,3)	2700 (106,3)	7000 (275,6)	2700 (106,3)	3500 (137,8)	59000 (130095)
800 (211,4)	0.05 - 4.5 (0.02 - 0.18)	3	5050 (198,8)	350 (13,8)	500 (19,7)	3450 (135,8)	1150 (45,3)	2800 (110,2)	6450 (253,9)	2800 (110,2)	3600 (141,7)	76000 (167580)
1000 (264,2)	0.05 - 5.5 (0.02 - 0.22)	3	5200 (204,7)	350 (13,8)	500 (19,7)	3500 (137,8)	1250 (49,2)	2800 (110,2)	6600 (259,8)	3200 (126,0)	4360 (171,7)	104000 (229320)
260 (68,7)	0.05 - 0.8 (0.02 - 0.03)	5	6660 (262,2)	350 (13,8)	500 (19,7)	3175 (125,0)	1000 (39,4)	2285 (90,0)	8250 (324,8)	2475 (97,4)	2725 (111,0)	26415 (58245)
260 (68,7)	0.05 - 1.3 (0.02 - 0.05)	5	6680 (263,0)	350 (13,8)	500 (19,7)	3150 (124,0)	1100 (43,3)	2285 (90,0)	8265 (325,4)	2575 (101,4)	2725 (107,3)	28800 (63504)
310 (81,9)	0.05 - 1.5 (0.02 - 0.06)	5	6720 (264,6)	350 (13,8)	500 (19,7)	3050 (120,1)	1100 (43,3)	2330 (91,7)	8365 (329,3)	2635 (103,7)	2825 (111,2)	33300 (73427)
500 (132,1)	0.05 - 1.9 (0.02 - 0.07)	5	6820 (268,5)	350 (13,8)	500 (19,7)	3240 (127,6)	1100 (43,3)	2350 (92,5)	8400 (330,7)	2700 (106,3)	2995 (117,9)	41100 (90626)
500 (132,1)	0.05 - 2.3 (0.02 - 0.09)	5	6940 (273,2)	350 (13,8)	500 (19,7)	3210 (126,4)	1100 (43,3)	2375 (93,5)	8415 (331,3)	2730 (107,5)	3120 (122,8)	50600 (111573)
800 (211,4)	0.05 - 3.0 (0.02 - 0.12)	5	7020 (276,4)	350 (13,8)	500 (19,7)	3185 (125,4)	1200 (47,2)	2480 (97,6)	8570 (337,4)	2730 (107,5)	3390 (133,5)	68500 (151043)
800 (211,4)	0.05 - 4 (0.02 - 0.16)	5	6915 (272,2)	350 (13,8)	500 (19,7)	3500 (137,8)	1200 (47,2)	2700 (106,3)	9000 (354,3)	2700 (106,3)	3800 (149,6)	88000 (194040)
800 (211,4)	0.05 - 4.5 (0.02 - 0.18)	5	7150 (281,5)	350 (13,8)	500 (19,7)	3550 (139,8)	1200 (47,2)	2800 (110,2)	8700 (342,5)	3950 (155,5)	4075 (160,4)	112000 (246960)
1000 (264,2)	0.05 - 5.5 (0.02 - 0.22)	5	7030 (276,8)	350 (13,8)	500 (19,7)	4120 (162,2)	1250 (49,2)	3790 (149,2)	9550 (376,0)	3790 (149,2)	5820 (229,1)	156200 (344421)