MOHAMMED KHALID

Factories Equip.Tr.

LASERMAK

CO2 Laser Cutting Machine

ERMAKSAN
SHEET METAL WORKING MACHINERY

Automatic nozzle cleaning and changing system.

Pipe cutting system.

Technical Features

			LASERMAK 2500.8,2”x4,1”	LASERMAK 2500.9,8”x4,9”	LASERMAK 2500.13”x6,5”	LASERMAK 4000.9,8”x4,9”	LASERMAK 4000.13”x6,5”	LASERMAK 4000.20”x6,5”	LASERMAK 6000.9,8”x4,9”	LASERMAK 6000.13”x6,5”	LASERMAK 6000.20”x6,5”
RESONATOR		Watt	2500 Watt CO$_2$-Laser GE Fanuc C2000i-B, Short Optical Path Type	2500 Watt CO$_2$-Laser GE Fanuc C2000i-B, Short Optical Path Type	2500 Watt CO$_2$-Laser GE Fanuc C2000i-B, Short Optical Path Type	4000 Watt CO$_2$-Laser GE Fanuc C4000İ-B, Short Optical Path Type	4000 Watt CO$_2$-Laser GE Fanuc C4000İ-B, Short Optical Path Type	4000 Watt CO$_2$-Laser GE Fanuc C4000İ-B, Short Optical Path Type	6000 Watt CO$_2$-Lazer GE Fanuc C6000i-MODEL B	6000 Watt CO$_2$-Lazer GE Fanuc C6000i-MODEL B	6000 Watt CO$_2$-Lazer GE Fanuc C6000i-MODEL B
MAXIMUM PULSE PEAK POWER		Watt	2700	2700	2700	5000	5000	5000	7000	7000	7000
RF - EXCITATION		MHz	2	2	2	2	2	2	2	2	2
POWER STABILITY		%	± 1 (power monitor)	± 1 (power monitor)	± 1 (power monitor)	± 2 (power monitor)	± 2 (power monitor)	± 2 (power monitor)	± 2 (power monitor)	± 2 (power monitor)	± 2 (power monitor)
PULSE MODE		-	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%
LASER WAVE LENGTH		µm	10,6	10,6	10,6	10,6	10,6	10,6	10,6	10,6	10,6
BEAM MODE		-	Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode
LASER SHUTTER		-	Mechanical safe shutter	Mechanical safe shutter	Mechanical Safe Shutter	Mechanical safe shutter	Mechanical Safe Shutter	Mechanical Safe Shutter	Mechanical safe shutter	Mechanical safe shutter	Mechanical Safe Shutter
LASER GAS COMPOSITION		-	CO2 / He / N2	CO2 / He / N2	CO2 / He / N2	CO2 / He / N2	CO2 / He / N2	CO2 / He / N2	CO2 / He / N2	CO2 / He / N2	CO2 / He / N2
LASER GAS CONSUMPTION		Gal/hour	2,6	2,6	2,6	2,6	2,6	2,6	5,3	5,3	5,3
COOLING WATER FLOW RATE		Gal/min	19,8	19,8	19,8	42,3	42,3	42,3	66	66	66
CNC CONTROLLER & OPERATOR PANEL		-	GE Fanuc series 16i-LB"LCD mounted"type CNC with 10,4"color screen,512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet
MAXIMUM WORKSHEET DIMENSIONS		inch	98,4 x 49,2	118,1 x 59,1	157,5 x 78,7	118,1 x 59,1	157,5 x 78,7	242,1 x 78,7	118,1 x 59,1	157,5 x 78,7	242,1 x 78,7
CUTTING CAPACITY (High Quality)											
	MILD STEEL	inch	5/8	5/8	5/8	25/32	25/32	25/32	1	1	1
	STAINLESS STEEL	inch	5/16	5/16	5/16	15/32	15/32	15/32	5/8	5/8	5/8
	ALUMINUM	inch	1/4	1/4	1/4	5/16	5/16	5/16	15/32	15/32	15/32
MAXIMUM BURDEN CAPACITY		pounds	2205	3307	4629	3307	4629	8818	3307	4629	8818
MACHINE AXES		-	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]
AXIAL MOVEMENTS											
X, U AXES	Linear Motorized Table	inch	101	120	159	120	159	244	120	159	244
Y AXIS	Linear Motorized Bridge	inch	51	61	81	61	81	81	61	81	81
Z AXIS	Servo Motorized Cutting Head	inch	6	6	6	6	6	6	6	6	6
V AXIS	Linear Mot. Compensation Unit	inch	74	89	118	89	118	157	89	118	157
ACCELERATIONS											
X, U AXES	Linear Motorized Table	G	2	2	2	2	2	2	2	2	2
Y AXIS	Linear Motorized Bridge	G	3	3	3	3	3	3	3	3	3
Z AXIS	Servo Motorized Cutting Head	G	2	2	2	2	2	2	2	2	2
MAXIMUM AXES VELOCITIES		IPM	6648 (simultaneous) (X,Y single axis velocity 4728 inch/min)	6648 (simultaneous) (X,Y single axis velocity 4728 inch/min)	6648 (simultaneous) (X,Y single axis velocity 4728 inch/min)	6648 (simultaneous) (X,Y single axis velocity 4728 inch/min)	6648 (simultaneous) (X,Y single axis velocity 4728 inch/min)	6648 (simultaneous) (X,Y single axis velocity 4728 inch/min)	6648 (simultaneous) (X,Y single axis velocity 4728 inch/min)	6648 (simultaneous) (X,Y single axis velocity 4728 inch/min)	6648 (simultaneous) (X,Y single axis velocity 4728 inch/min)
POSITIONING ACCURACY		inch	± 0,001	± 0,001	± 0,001	± 0,001	± 0,001	± 0,001	± 0,001	± 0,001	± 0,001
REPETITION ACCURACY		inch	± 0,0006	± 0,0006	± 0,0006	± 0,0006	± 0,0006	± 0,0006	± 0,0006	± 0,0006	± 0,0006
SHUTTLE TABLE (Automatic Loading - Unloading Unit)		palette	2 (30 sec)	2 (35 sec)	2 (45 sec)	2 (35 sec)	2 (45 sec)	2 (65 sec)	2 (35 sec)	2 (45 sec)	2 (65 sec)
ASSIST GAS											
	MILD STEEL	-	Oxygen (0,5-6 Bar)	Oxygen (0,5-6 Bar)	Oxygen (0,5-6 Bar)	Oxygen (0,5-6 Bar)	Oxygen (0,5-6 Bar)	Oxygen (0,5-6 Bar)	Oxygen (0,5-6 Bar)	Oxygen (0,5-6 Bar)	Oxygen (0,5-6 Bar)
	STAINLESS STEEL	-	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)
	ALUMINUM	-	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)
CUTTING HEAD		-	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar
CUTTING HEAD FOCAL LENGTHS		inch	5” - 7,5”	5” - 7,5”	5” - 7,5”	5” - 7,5”	5” - 7,5”	5” - 7,5”	5” - 7,5” - 10’	5” - 7,5” - 10”	5” – 7,5” – 10”
CAD/CAM SOFTWARE		-	LANTEK CAD / CAM	LANTEK CAD / CAM	LANTEK CAD / CAM	LANTEK CAD / CAM	LANTEK CAD / CAM	LANTEK CAD / CAM	LANTEK CAD / CAM	LANTEK CAD / CAM	LANTEK CAD / CAM
TOTAL ELECTRIC POWER NECESSITY		Hp	67 - 94	67 - 94	67 - 94	87 - 121	87 - 121	87 - 121	134 - 161	134 - 161	134 - 161
MACHINE DIMENSIONS (L x W x H)		inch	366 x 190 x 88	415 x 208 x 80	531 x 227 x 80	415 x 208 x 80	531 x 227 x 80	415 x 264 x 80	415 x 264 x 80	531 x 286 x 80	415 x 286 x 80
MACHINE WEIGHT		pounds	30643	36595	51144	36595	51144	66355	36595	51144	66355

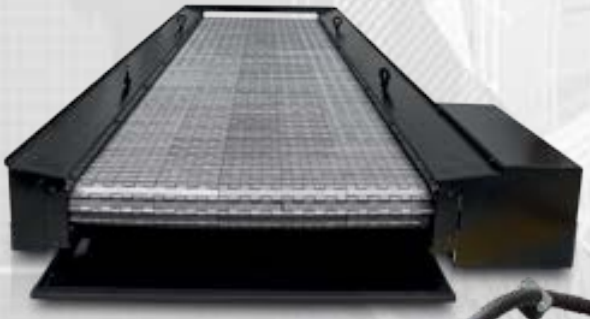
FIBERMAK

New Generation Fiber Laser

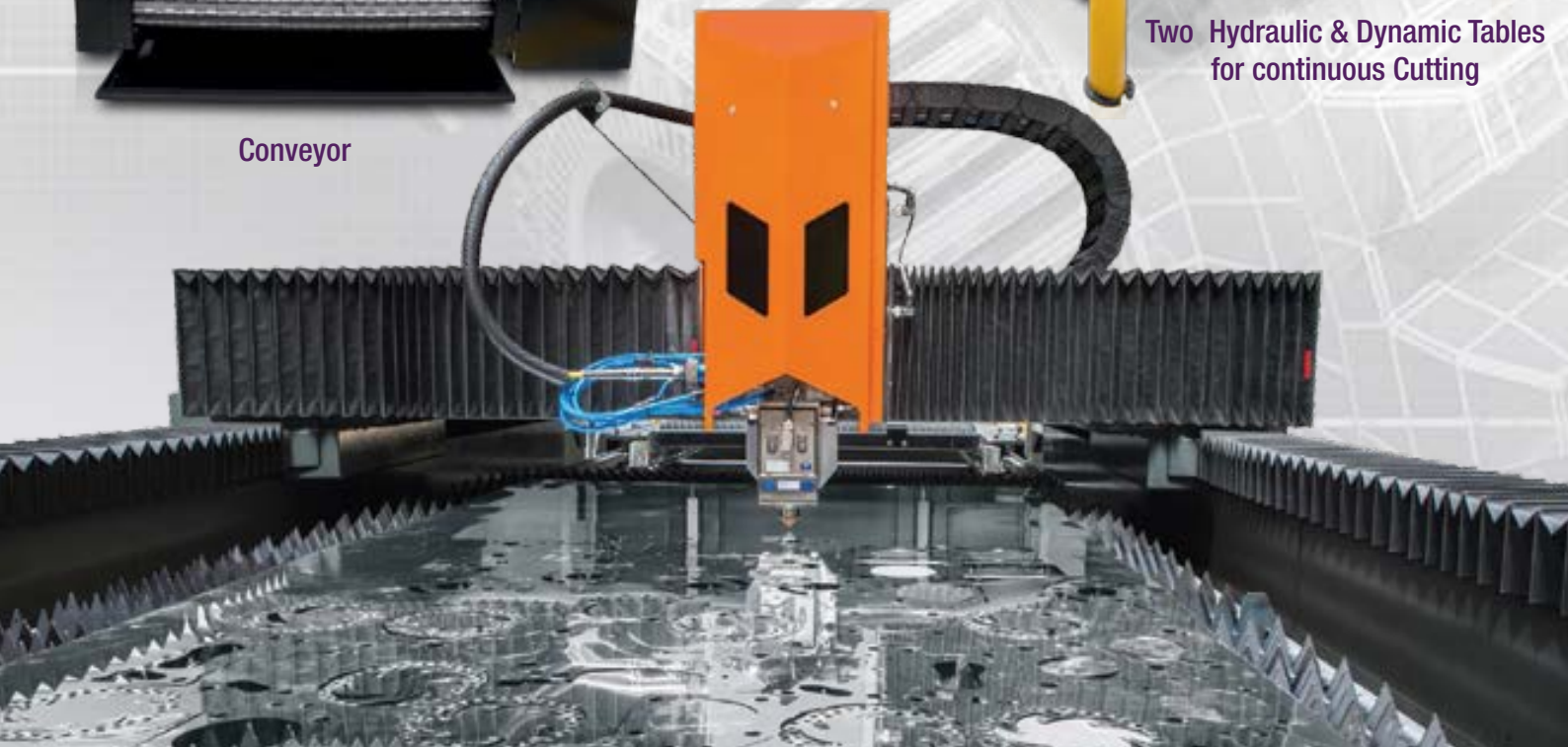
ERMAKSAN
SHEET METAL WORKING MACHINERY

CNC Control Panel Allows
direct shuttle Table Control

Two Hydraulic & Dynamic Tables
for continuous Cutting



Conveyor



FIBERMAK Momentum Gen-2

New Generation Fiber Laser

ERMAKSAN
SHEET METAL WORKING MACHINERY

CONTROLLER

- The controller lets the operator command the machine.
- The controller is durable to all environmental effects like shock, vibration, dirt, moisture, high temp, electromagnetic zone, harsh usage etc.
- Active touch screen and functional keyboard.
- Short cut buttons provide ease-of-use. You can access the desired functions faster and easier. The buttons can be set to any desired function.
- Speed adjustment potentiometer allows you to adjust the axes velocities even during the cutting operation.

TOWER - Full Automatic Sheet Metal Loading & Unloading System

lantek
Sheet Metal Solutions

- Excellent flexibility and maximum performance
- Minimum part consumption
- Design error detection
- Real-time and cost calculation

Cutting Chart Capacity

Materials	Maximum cutting thickness					
	Laser Power 500 W	Laser Power 1 kW	Laser Power 2 kW	Laser Power 3 kW	Laser Power 4 kW	Laser Power 6 kW
Mild Steel	5 mm	8 mm	15 mm	18-20 mm	18-20 mm	25 mm
Stainless steel	2 mm	4 mm	8 mm	10 mm	10 mm	15 mm
Aluminum	2 mm	3 mm	6 mm	8 mm	10 mm	15 mm
Copper	1 mm	2 mm	5 mm	5 mm	5 mm	8 mm
Brass	1 mm	2 mm	4 mm	4 mm	4 mm	8 mm
Galvanized	1 mm	2 mm	4 mm	4 mm	4 mm	8 mm

Technical Features

TECHNICAL FEATURES		SM 500.2.5X1.25	SM 500.3x1.5	SM 1000.2.5x1.25	SM 2000.2.5x1.25	SM 1000.3x1.5	SM 2000.3x1.5	SM 3000.3x1.5	SM 4000.3x1.5	SM 2000.4x2	SM 3000.4x2	SM 4000.4x2	SM 2000.6x2	SM 3000.6x2	SM 4000.6x2	SM 3000.8x2.5	SM 4000.8x2.5
RESONATOR	Watt	YLR 500	YLR 500	YLR 1000	YLS 2000	YLR 1000	YLS 2000	YLS 3000	YLS 4000	YLS 2000	YLS 3000	YLS 4000	YLS 2000	YLS 3000	YLS 4000	YLS 3000	YLS 4000
POWER RANGE	%	10-105	10-105	10-105	10-105	10-105	10-105	10-105	10-105	10-105	10-105	10-105	10-105	10-105	10-105	10-105	10-105
LASER BEAM QUALITY	rad	0,37	0,37	1 - 2	2 - 2.5	1 - 2	2 - 2.5	2 - 2.5	2 - 2.5	2 - 2.5	2 - 2.5	2 - 2.5	2 - 2.5	2 - 2.5	2 - 2.5	2 - 2.5	2 - 2.5
POWER STABILITY	%	± 0,5	± 0,5	1 - 3	1 - 2	1 - 3	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2
PULSE FREQUENCY RANGE	kHz	50	50	5	5	5	5	5	5	5	5	5	5	5	5	5	5
LASER WAVE LENGTH	nm	1070	1070	1070 ± 5	1075 ± 5	1070 ± 5	1075 ± 5	1075 ± 5	1075 ± 5	1075 ± 5	1075 ± 5	1075 ± 5	1075 ± 5	1075 ± 5	1075 ± 5	1075 ± 5	1075 ± 5
OUTPUT FIBER CORE DIAMETER	µm	50	50	50	100	50	100	100	100	100	100	100	100	100	100	100	100
EXCITATION	¤	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode	Laser diod	Laser diod	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
COOLING WATER FLOW RATE	l/min	6	6	8	10	8	10	20	20	10	20	20	10	20	20	20	20
CUTTING CAPACITY (High Quality)																	
MILD STEEL	mm	5	5	8	15	8	15	18	20	15	18	20	15	18	20	18	20
STAINLESS STEEL	mm	2	2	4	10	4	10	10	12	10	10	12	10	10	12	10	12
ALUMINIUM	mm	2	2	3	8	3	8	8	10	8	8	10	8	8	10	8	10
BRASS	mm	1	1	2	5	2	5	6	6	5	6	6	5	6	6	6	6
COPPER	mm	1	1	2	5	2	5	6	6	5	6	6	5	6	6	6	6
MAXIMUM WORKSHEET DIMENSIONS	mm	2500 X 1250	3000 X 1500	2500 X 1250	2500 X 1250	3000 X 1500	3000 X 1500	3000 X 1500	3000 X 1500	4000 X 2000	4000 X 2000	4000 X 2000	6150 X 2000	6150 X 2000	6150 X 2000	8000 X 2500	8000 X 2500
MAXIMUM BURDEN CAPACITY	kg	600	1500	600	600	1500	1500	1500	1500	2500	2500	2500	4000	4000	4000	6000	6000
MACHINE AXES	-	4-Axes [X, Y, Z, U]	4-Axes [X, Y, Z, U]	4-Axes [X, Y, Z, U]	4-Axes [X, Y, Z, U]	4-Axes [X, Y, Z, U]	4-Axes [X, Y, Z, U]	4-Axes [X, Y, Z,U]	4-Axes [X, Y, Z, U]	4-Axes [X, Y, Z, U]	4-Axes [X, Y, Z, U]	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]
AXIAL MOVEMENTS																	
X, U AXES	mm	2550	3050	2550	2550	3050	3050	3050	3050	4050	4050	4050	6200	6200	6200	8050	8050
Y AXIS	mm	1270	1550	1270	1270	1550	1550	1550	1550	2050	2050	2050	2050	2050	2050	2550	2550
Z AXIS	mm	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
ACCELERATIONS																	
X, U AXES	G	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1	1
Y AXIS	G	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Z AXIS	G	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
MAXIMUM AXES VELOCITIES	m/min	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	141 (simultaneous) (X, Y single axis velocity 100 m/min)	115 (simultaneous) (X, Y single axis velocity 80 m/min)	115 (simultaneous) (X, Y single axis velocity 80 m/min)
POSITIONING ACCURACY	mm/m	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03
REPETITION ACCURACY	mm	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015
SHUTTLE TABLE (Automatic Loading - Unloading Unit)	palette	2 (30 sec)	2 (35 sec)	2 (30 sec)	2 (30 sec)	2 (35 sec)	2 (35 sec)	2 (35 sec)	2 (35 sec)	2 (45 sec)	2 (45 sec)	2 (45 sec)	2 (65 sec)	2 (65 sec)	2 (65 sec)	2 (90 sec)	2 (90 sec)
ASSIST GAS																	
MILD STEEL	-	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)	Oxygen (0,5-25 Bar)
STAINLESS STEEL	-	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)	Nitrogen (0,5-25 Bar)
ALUMINIUM	-	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)	Dry Air or Nitrogen (0,5-25 Bar)
CUTTING HEAD	-	Precitec Light Cutter Head	Precitec Light Cutter Head	Precitec Light Cutter Head	Precitec HPSSL Plus Motorised Head	Precitec Light Cutter Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head	Precitec HPSSL Plus Motorised Head
CNC	-	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242	BECKHOFF CP6242
CAD/CAM SOFTWARE	-	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT
NETWORK CONNECTION	-	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
OPERATION VIA PANEL	-	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard	15" touch screen display, alpha numeric keyboard
TOTAL ELECTRIC POWER NECESSITY	kW	11	11	15	18	15	18	22	26	18	23	22	18	22	26	22	26
MACHINE DIMENSIONS (L x W x H)	mm	8190 X 3460 X 2200	9190 X 3710 X 2200	8190 X 3460 X 2200	8190 X 3460 X 2200	9190 X 3710 X 2200	9190 X 3710 X 2200	9190 X 3710 X 2200	9190 X 3710 X 2200	11400 X 4300 X 2200	11400 X 4300 X 2200	11400 X 4300 X 2200	15430 X 4300 X 2200	15430 X 4300 X 2200	15430 X 4300 X 2200	19730 X 4900 X 2200	19730 X 4900 X 2200
MACHINE WEIGHT	kg	10400	11200	10400	10400	11200	11200	11200	11200	15800	15800	15800	22100	22100	22100	28500	28500

*All specs are subject to change without notice

EPL PLASMA

Plasma Cutting Machines.

ERMAKSAN
SHEET METAL WORKING MACHINERY

5 Axies Cutting Head

Hypertherm Plasma Sources

Profile Cutting Divice

Technical Features

		EPL 1530	EPL 2040	EPL 2060	EPL 20120	EPL 2560	EPL 25120	EPL 3060	EPL 30120	EPL 4060	EPL 40120
TABLE WIDTH	mm	1500	2000	2000	2000	2500	2500	3000	3000	4000	4000
TOTAL WIDTH	mm	3500	4700	4700	4700	5200	5200	5700	5700	6700	6700
TOTAL HEIGHT	mm	2280	2280	2280	2280	2280	2280	2280	2280	2280	2280
DAYLIGHT	mm	250	250	250	250	250	250	250	250	250	250
STROKE	mm	0 - 200	0 - 200	0 - 200	0 - 200	0 - 200	0 - 200	0 - 200	0 - 200	0 - 200	0 - 200
TABLE LENGTH	mm	3000	4000	6000	12000	6000	12000	6000	12000	6000	12000
TABLE HEIGHT	mm	900	900	750	750	750	750	750	750	750	750
SPEED	m/dak	35	35	35	35	35	35	35	35	35	35
AXIS	-	X , Y , Z , C	X , Y , Z , C	X , Y , Z , C	X , Y , Z , C	X , Y , Z , C	X , Y , Z , C	X , Y , Z , C	X , Y , Z , C	X , Y , Z , C	X , Y , Z , C
PIPE CUT DIAMETERS MIN. – MAX.	mm	Ø50 - Ø400	Ø50 - Ø400	Ø50 - Ø400	Ø50 - Ø400	Ø50 - Ø400	Ø50 - Ø400	Ø50 - Ø400	Ø50 - Ø400	Ø50 - Ø400	Ø50 - Ø400
MAX THICKNESS (MILD STEEL)	mm	32	32	32	32	32	32	32	32	32	32
POSITIONING ACCURACY	mm	± 0,1 DIN 28206	± 0,1 DIN 28206	± 0,1 DIN 28206	± 0,1 DIN 28206	± 0,1 DIN 28206	± 0,1 DIN 28206	± 0,1 DIN 28206	± 0,1 DIN 28206	± 0,1 DIN 28206	± 0,1 DIN 28206
REPOSITIONING ACCURACY	mm	± 0,05 DIN 28206	± 0,05 DIN 28206	± 0,05 DIN 28206	± 0,05 DIN 28206	± 0,05 DIN 28206	± 0,05 DIN 28206	± 0,05 DIN 28206	± 0,05 DIN 28206	± 0,05 DIN 28206	± 0,05 DIN 28206
PLASMA CUTTING UNIT		Hypertherm 130XD	Hypertherm 130XD	Hypertherm 130XD	Hypertherm 130XD	Hypertherm 130XD	Hypertherm 130XD	Hypertherm 130XD	Hypertherm 130XD	Hypertherm 130XD	Hypertherm 130XD
TORCH HEIGHT CONTROL		Iht M4000 Pcs	Iht M4000 Pcs	Iht M4000 Pcs	Iht M4000 Pcs	Iht M4000 Pcs	Iht M4000 Pcs	Iht M4000 Pcs	Iht M4000 Pcs	Iht M4000 Pcs	Iht M4000 Pcs
CUTTING CAPACITIES	mm	1 - 38	1 - 38	1 - 38	1 - 38	1 - 38	1 - 38	1 - 38	1 - 38	1 - 38	1 - 38
ENERGY		400V, 50Hz, 6 bar air	400V, 50Hz, 6 bar air	400V, 50Hz, 6 bar air	400V, 50Hz, 6 bar air	400V, 50Hz, 6 bar air	400V, 50Hz, 6 bar air	400V, 50Hz, 6 bar air	400V, 50Hz, 6 bar air	400V, 50Hz, 6 bar air	400V, 50Hz, 6 bar air
WEIGHT	kg	4900	6050	8350	14850	9100	16850	9850	17850	11350	20850

HEAVY DUTY

Press Brake & Hydraulic Swing Beam Shear

ERMAKSAN
SHEET METAL WORKING MACHINERY

ETP SERIES

CNC Turret Punch Press

ERMAKSAN
SHEET METAL WORKING MACHINERY

Technical Features

		ETPP 1500x2500 30 TONS	ETPP 1250x2000 20 TONS
MAXIMUM TONNAGE	Ton	30	20
MAXIMUM CAPACITY (Thickness X,Y)	mm	2500×1500	2000×1250
MAXIMUM PUNCH DIAMETER (Sheet is 1 mm thickness) (single tool)	mm	Ø88,9	Ø88,9
X AXIS TRAVEL	mm	2500 + R	2000 + R
X AXIS VELOCITY	m/min	80	120
Y AXIS TRAVEL	mm	1500	1250
Y AXIS VELOCITY	m/min	80	120
X + Y DEPENDENT VELOCITY	m/min	114	170
TURRET ROTATION VELOCITY	Rpm	20	27
AUTO INDEX ROTATION VELOCITY	Rpm	65	65
MAXIMUM PUNCH STROKE For Marking 1 mm Stroke	Stroke/min	2000	1500
MAXIMUM PUNCH STROKE Per minute For * 1mm step X Movement ,1 mm step Y axes Movement	Stroke/min	900	900
MAXIMUM PUNCH STROKE Per minute For * 25 mm step X movement, 25 mm step Y axes Movement	Stroke/min	350	350
MAX. CUTTING THICKNESS WITH FIX STATION	Mild steel	6 mm	6 mm
	Stainless steel	6 mm	6 mm
MAX. CUTTING THICKNESS WITH AUTO INDEX STATION	Mild steel	4 mm	4 mm
	Stainless steel	2,5 mm	2,5 mm
REPITITION ACCURACY	mm	± 0.05	± 0.05
POSITIONING ACCURACY	mm	± 0,1	± 0,1
INDEX POSITIONING ACCURACY	°	0.01 °	0.01 °
MULTI TOOL CHANGE TIME	sec.	3	3
MAXIMUM SHEET WEIGHT	Kg	200	125
MOTOR	kW	15	7,5
OIL CAPACITY	lt	280	180
AIR PRESSURE	Bar	6 - 7	6 - 7
MAXIMUM STROKE	mm	40	40
SHEET CLAMPING (AUTOMATIC LOCATION CHANGEABLE)	Pieces	3	3
SHEET CLAMPING FORCE	kg	1200	1200
POWER SUPPLY	kVA	25	18
AIR SUPPLY	Liters/min	2,5	2,5
CONTROLLER (ERMAKSAN HMI SOFTWARE)		GE Fanuc 31i-PB. Hand panel. Button panel. Part Programme Memory, 2MB. Inch/Metric conversion. Registered Programmes, 1024. Run hour & Part count display. Graphic display. Multiple Tool Control. Clamp Zone Avoidance Function. Part Programme Transfer with Ethernet cable, usb or PCMCI. Simulation of Sheet Metal Cutting. Software for using wheel and forming tools. Stroke Control Software Reposition and Clamp Displacement Software.	GE Fanuc 31i-PB. Hand panel. Button panel. Part Programme Memory, 2MB. Inch/Metric conversion. Registered Programmes, 1024. Run hour & Part count display. Graphic display. Clamp Zone Avoidance Function. Part Programme Transfer with Ethernet cable, usb or PCMCI. Simulation of Sheet Metal Cutting. Software for using wheel and forming tools. Stroke Control Software. Reposition and Clamp Displacement Software.
POSITION CONTROL		Voith Turbo H + L Hydraulic	Voith Turbo H + L Hydraulic
SERVO AXES	X,Y	All axes absolute Ballscrew with Fanuc servo motor	All axes absolute Ballscrew with Fanuc servo motor
INDEX AXES		Absolute Fanuc servo motor+ Harmonic drive gearbox	Absolute with Fanuc servo motor+ Harmonic drive reductor
WORKING HEIGHT	mm	950	950
TABLE TYPE		Brushed	Brushed
		Ball	Ball
		Brushed+Ball	Brushed+Ball
MACHINE LENGTH	mm	5520	5140
MACHINE WIDTH	mm	5000	4290
MACHINE HEIGHT	mm	2220	2220
WEIGHT	Kg	18500	14000
CAD/CAM Software		Lantek - Metalix	Lantek - Metalix
Standard Manual Nesting (1 pieces soft, 1 pieces dongle)	License	One license, Postprocessor	One license, Postprocessor
Optional Automatic nesting			

TURRET (33 STATIONS)					TURRET (27 STATIONS)				
	15 pcs. A stations 1/2"	fixed	1,6-12,7	mm round		11 pcs. A station 1/2"	fixed	1,6-12,7	mm round
	12 pcs. B stations 1-1/4"	fixed	12,8-31,7	mm round		10 pcs. B station 1-1/4"	fixed	12,8-31,7	mm round
	2 pcs. C stations 2"	fixed	31,8-50,8	mm round		1 pc. C station 2"	fixed	31,8-50,8	mm round
	1 pc. D stations 3-1/2"	fixed	50,9-88,9	mm round		2 pcs. D station 3-1/2"	fixed	50,9-88,9	mm round
	3 pcs. D stations 3-1/2"	index	50,9-88,9	mm round		2 pcs. B station 1-1/4"	index	12,8-31,7	mm round
						1 pc. C station 2"	index	31,8-50,8	mm round

EKN-6

Ermak Hydraulic Corner Notcher

ERMAKSAN
SHEET METAL WORKING MACHINERY

RPP 1270x30 TECHNICAL FEATURES

MAXIMUM TONNAGE	ton	30
MAXIMUM CAPACITY (Thickness X,Y)	mm	6,35x1270x2000
MAXIMUM PUNCH DIAMETER (MULTI TOOL)	mm	22
MAXIMUM PUNCH DIAMETER (Sheet ≤ 1 mm thickness) (SINGLE TOOL)	mm	Ø 89,9
MACHINE AXES	-	X, Y, C, T1, T2
X AXIS TRAVEL	mm	2000 + Repos.
X AXIS VELOCITY	m/min	70
Y AXIS TRAVEL	mm	1270
Y AXIS VELOCITY	m/min	70
T1, T2 AXES VELOCITY	rpm	40
STATION REVOLUTION VELOCITY (C AXIS)	rpm	100
X + Y DEPENDENT VELOCITY	m/min	99
MAXIMUM PUNCH STROKE For Nibbling 5 mm Stroke	stroke/min	900
MAXIMUM PUNCH STROKE Per minute For 1 mm step X Movement, 2 mm step Y axis Movement, 1mm Sheet thickness	stroke/min	600
MAXIMUM PUNCH STROKE Per minute For 1 20 mm step X movement, 25 mm step Y axis Movement, 1mm sheet thickness	stroke/min	350
POSITION ACCURACY	mm	0,03
POSITION TOLERANCE	mm	0,1
MULTI TOOL CHANGE TIME	sec	12 - 15
SHEET WEIGHT FOR MAXIMUM VELOCITY	kg	25
MOTOR	kW	11
OIL CAPACITY	lt	300
MAXIMUM STROKE	mm	40
SHEET CLAMPING	pieces	2
SHEET CLAMPING FORCE	kg	1200
OPERATOR PANEL	-	Bosch Rexroth VEP 16 12" TFT COLOR (High Resolution) TOUCH PANEL SCREEN, Windows XP, UPS, USB on the panel
CONTROLLER	-	2 GHZ CPU, 512 MB RAM, 20 GB HARD DISK Windows XP Professional, VGA, Ethernet (10/100 Base T), 32, Serial Port, USB, PAL, 0.25g/5g Vibrations-Shock resistance, user friendly and service friendly system worldwide service and support, CNC tested, Windows XP Professional
POSITION CONTROL	-	ENTED, REXROTH HNC 100
SERVO AXES	X,Y,C (T1,T2) - RPP	Rexroth Indradrive Ecodrive Servos Interface
WORKING HEIGHT	mm	1100
TABLE DIMENSION	mm	2450x4000
TABLE TYPE	-	brushed
MACHINE LENGHT	mm	4250
MACHINE WIDHT	mm	4000
MACHINE HEIGHT	mm	2330
SHIPMENT DIMENSIONS	mm	2325x4250
WEIGHT	kg	11000
CAD/CAM Software LANTEK EXPERT PUNCH 1 nos. softwares, 1 nos. dongle	license	one license, Postprocessor Manual Nesting
TOOLING ALTERNATIVES	ERMAK BEMMETI MULTI TOOL 6 nos. (D station)	PUNCH, DIE, STRIPPER Complete (A Station) Round 8,10,20 mm, Rectangle 4x20 mm (2 pieces), Square 13x13 mm (1 pieces)
	ERMAK BEMMETI THICK SUBMIT 6 nos. D station	(A Station) Round 8,10,20 mm, Rectangle 4x18 mm (2 nos.), Square 14x14 mm (1 nos.)
	ERMAK BEMMETI MULTI TOOL 6 nos. (D station)	Round 5, 6, 8, 12,7 mm Rectangle 10x5 mm, 14x3 mm Triangle 30°14,835 mm Square 10x10 mm

TOOLING SYSTEM

Sensitive and durable ERMAK-BEMMETI brand standard sexist multi tool or thick turret D station or toilet multi tool is used at bottom and top tool systems.

Trio, quartet, twelfold, sexist and octet multi tools, B, C and D type stations, TRUMPF type, Wilson tools can be adapted to the machine and are available upon request. Many operations are possible to make as special coated tools for stainless steel processing, forming with functional tools, perforating various diameters and special evacuating.

Brush Table

HGS

Hydraulic Swing Beam Shear.

ERMAKSAN
SHEET METAL WORKING MACHINERY

General features

User - friendly:

- Wide, bright, colorful touch screen to program easily.
- Easy control pages.
- Complete part programming in seconds.
- Quick machine set up with EASYCUT page.
- Contextual help and warning pup-up.

Improved features:

- Auto shutdown function for energy saving.
- 10 different language selection.
- Working time.
- Wireless communication via PC/Laptop (optional).
- Backgauge auto-retraction programming.

Better cuttings:

- Automatic calculations of cutting functions upon material specifications.
- More cutting sequence and programming memory.

Standard Equipments

- Hardened blades.
  Top blades : 2 sides
  Bottom blades : 4 sides
- CYBELEC CYBTOUCH 6 controller.
- 1000 mm motorized backgauge system with 0,1 mm accuracy.
- 1000 mm side gauge and front support arms.
- Metric and inch rulers.
- Roller bearings on the front support arms to easy placing sheets.
- Front, side and back safety panels which are suitable for CE norms.
- Rear light curtains for safety.
- Sheet sliding system.
- SIEMENS electrical system.
- Hoerbiger hydraulic system.
- Manual blade gap adjustment by side-arm.
- High pressurized silent pump.
- Holder springs.
- Moveable foot pedal.
- Emergency stop button.
- Shadow line.
- Collapsible finger protection.
- Manual blade gap adjustment.

Technical Features

TYPE	CUTTING LENGTH	CUTTING CAPACITY (42kg/mm	CUTTING CAPACITY (70kg/mm	CUTTING ANGLE	STROKE PER MINUTE	NUMBER OF HOLD DOWNS	PRESSURE	MAIN MOTOR	BACK GAUGE MOTOR	OIL CAPACITY	BLADE GAP ADJUSTMENT	BACK GAUGE STROKE	BACK GAUGE SPEED	NUMBER OF SHEET SUPPORT ARMS	TABLE LENGHT	MACHINE WIDTH	TABLE HEIGHT	WIDTH	TRANSPORT WIDTH	HEIGHT	LENGTH	WEIGHT
	A														B	C	D	E	K	H	L	
	mm	mm	mm	(°)	1/min.	Amount	ton	kW	kW	lt.	mm	mm	mm/s	Amount	mm	mm	mm	mm	mm	mm	mm	kg
HGS-A 2100-6	2100	6	4	1.2	28	11	9	11	0.75	150	0,05-0,8	1000	110	2	2415	3010	800	2410	2100	1640	3000	4250
HGS-A 2600-6	2600	6	4	1.2	24	12	10	11	0.75	150	0,05-0,8	1000	110	2	2900	3010	800	2410	2100	1640	3500	5000
HGS-A 3100-6	3100	6	4	1.2	20	14	12	11	0.75	150	0,05-0,8	1000	110	2	3400	3010	800	2410	2100	1640	4000	5500
HGS-A 3600-6	3600	6	4	1.2	17	16	13	11	0.75	150	0,05-0,8	1000	110	3	3930	3010	800	2410	2100	1650	4500	7350
HGS-A 4100-6	4100	6	4	1.2	15	18	15	11	0.75	150	0,05-0,8	1000	110	3	4430	3010	800	2410	2100	1650	5000	7800
HGS-A 2100-8	2100	8	5	1.5	20	11	12	15	0.75	200	0,05-1	1000	110	2	2435	3040	800	2450	2100	1700	3025	5200
HGS-A 2600-8	2600	8	5	1.5	18	12	14	15	0.75	200	0,05-1	1000	110	2	2935	3040	800	2450	2100	1700	3525	6000
HGS-A 3100-8	3100	8	5	1.5	16	14	18	15	0.75	200	0,05-1	1000	110	2	3435	3040	800	2450	2100	1700	4025	6800
HGS-A 4100-8	4100	8	5	1.5	12	18	23	15	0.75	200	0,05-1	1000	110	3	4435	3095	850	2555	2150	1850	4075	9800

HGD

Hydraulic Swing Beam Shear.

ERMAKSAN
SHEET METAL WORKING MACHINERY

Under your control

General features

User - friendly:
- Ergonomic design.
- Rapid data input with the ergonomic keyboard with large keys.
- Easy set up and use that meets operator's needs.
- Keyboard with big buttons.
- Programmed material types.
- Monochrome 130 x 75mm LCD Box Panel.

Improved features:
- Blade gap, cutting angle and cutting length adjusted based on material selection and thickness automatically.
- Different language selections.
- Highly protected micro processor.
- Data recording with internal SRAM memory.
- Updateable with flash memory (optionally with RS 232).
- EASYCUT page.
- Numerically programmable axis data.
- 16 input and output ports (24-32 options). mm/inch convertion

Better cuttings:
- Backgauge adjustment according to blade gap.
- Backgauge retraction feature.
- Sub-program and programming loop.
- Sequence repeat function.
- Auto cutting (Flying cut).

General features

User - friendly:
- Wide, bright, colorful touch screen to program easily.
- Easy control pages.
- Complete part programming in seconds.
- Quick machine set up with EASYCUT page.
- Contextual help and warning pup-up.

Improved features:
- Auto shutdown function for energy saving.
- 10 different language selection.
- Working time.
- Wireless communication via PC/Laptop (optional).
- Backgauge auto-retraction programming.

Better cuttings:
- Automatic calculations of cutting functions upon material specifications.
- More cutting sequence and programming memory.

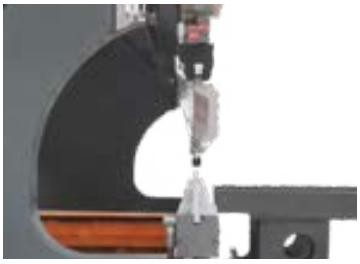
Technical Features

TYPES	CUTTING LENGHT	CUTTING CAPACITY (42kg/mm^2)	CUTTING CAPACITY (70kg/mm^2)	STROKE PER MINUTE	MAIN MOTOR	BACK GAUGE STROKE	BACK GAUGE SPEED	THROAT DEPTH	MACHINE WIDTH	WIDTH	HEIGHT	LENGTH	WEIGHT
	A							C	D	K	H	L	
	mm	mm	mm	1/min.	kW	mm	mm/s	mm	mm	mm	mm	mm	kg
HGD 3100 - 6	3100	6	4	16	11	1000	110	350	2900	2315	2100	3925	7300
HGD 3100 - 8	3100	8	5	14	18.5	1000	110	350	2970	2430	2125	4000	9000
HGD 3100 - 10	3100	10	6	13	22	1000	110	350	3075	2500	2175	4050	9400
HGD 3100 - 13	3100	13	8	11	22	1000	110	350	3150	2625	2235	4100	12000
HGD 3100 - 16	3100	16	10	10	30	1000	110	350	3150	2625	2450	4150	16100
HGD 3100 - 20	3100	20	13	8	37	1000	110	350	3250	2700	2500	4350	22300
HGD 4100 - 6	4100	6	4	14	11	1000	110	350	2900	2315	2150	4900	9500
HGD 4100 - 8	4100	8	5	12	18.5	1000	110	350	2960	2430	2175	5000	11850
HGD 4100 - 10	4100	10	6	10	22	1000	110	350	3125	2570	2275	5050	13150
HGD 4100 - 13	4100	13	8	9	22	1000	110	350	3130	2670	2335	5100	16000
HGD 4100 - 16	4100	16	10	8	30	1000	110	350	3150	2610	2575	5200	24500
HGD 4100 - 20	4100	20	13	7	37	1000	110	350	3200	2670	2600	5250	27750

EVOLUTION II

Hybrid Press Brake

ERMAKSAN
SHEET METAL WORKING MACHINERY



Closed Circuit Hydraulic System

- No proportional valve.
- No hydraulic pipeline system.
- No oil leakage.
- Maintenance free.
- 2,37+2,37 gal. oil.
- 5 years oil life.

Evolution series hybrid hydraulic press brakes have the highest repeatability advantage because no heating of the oil keeps oil viscosity constant.

EVOLUTION II

Hybrid Press Brake

ERMAKSAN
SHEET METAL WORKING MACHINERY

DELEM DA66 T

Standard Controller

General Features:

- Windows operating system
- 3D simulation of applications before bending
- Standard onboard network connection
- 4 Mb memory product team
- up to 7 digits programming capacity
- Max. repetition of 9999 program
- 17" high-definition LCD coloured screen
- Max. 25 steps in a program (sequence)
- Max. 99 steps repeatability
- mm/inch - T/KG convert
- Extra USB keyboard and USB mouse connection
- Error messages
- Machine time and stroke counter
- Working as tandem machine
- Delem modular compatibility
- Motorised front support system
- Laser angle measurement
- Dynamic crowning

Hydraulic pistons in Evolution series hybrid hydraulic press brakes are driven by AC servo motors without the need of proportional directional valves. Having no positioning valves means a greater precision and less maintenance and at the same time no pressurlosses occur.

TYPE	8,53' - 121	10,17' - 121	10,17' - 187	10,17' - 275	12,34' - 187	12,34' - 275	13,45' - 187	13,45' - 275	14,01' - 187	14,01' - 275
BENDING LENGTH (A) – (inch)	102,4	122,0	122,0	122,0	148,0	148,0	161,4	161,4	168,1	168,1
BENDING POWER (Ton)	121	121	187	275	187	275	187	275	187	275
STANDARD V–DIE OPENING (V)–(inch)	1,97	1,97	1,97	4,72	1,97	4,33	1,97	4,33	1,97	4,33
SHEET METAL THICKNESS (Rm=42kgf/mm^2)(t)–(in)	0,24	0,22	0,26	0,47	0,24	0,43	0,23	0,39	0,23	0,39
DISTANCE BETWEEN COLUMNS (B) (in)	86,6	102,4	102,4	102,4	128,0	128,0	141,7	141,7	148,8	148,8
Y RAPID SPEED (inch/s)	7,87	7,87	7,09	5,51	7,09	5,51	7,09	5,51	7,09	5,51
Y WORKING SPEED * (inch/s)	0,47	0,47	0,47	0,43	0,47	0,43	0,47	0,43	0,47	0,43
Y RETURN SPEED (inch/s)	7,48	7,48	7,48	5,31	7,48	5,31	7,48	5,31	7,48	5,31
CROWNING (STANDARD)	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized
TRAVEL IN X AXIS (inch)	31,50	31,50	31,50	31,50	31,50	31,50	31,50	31,50	31,50	31,50
SPEED OF X AXIS (inch/s)	19,69	19,69	19,69	19,69	19,69	19,69	19,69	19,69	19,69	19,69
TRAVEL IN R AXIS (inch)	9,84	9,84	9,84	9,84	9,84	9,84	9,84	9,84	9,84	9,84
SPEED OF R AXIS (inch/s)	13,78	13,78	13,78	13,78	13,78	13,78	13,78	13,78	13,78	13,78
BACKGAUGE FINGER BLOCKS	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
NUMBER OF SHEET SUPPORT (Sliding front arms)	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
OIL CAPACITY (gallons)	2x2,38	2x2,38	2x3,96	2x5,28	2x3,96	2x5,28	2x3,96	2x5,28	2x3,96	2x5,28
MOTOR POWER (HP)	2x5,97	2x5,97	2x7,11	2x9,21	2x7,11	2x9,21	2x7,11	2x9,21	2x7,11	2x9,21
STROKE (C) – (inch)	10,83	10,83	10,83	10,83	10,83	10,83	10,83	10,83	10,83	10,83
DAYLIGHT (D) – (inch)	20,87	20,87	21,65	21,65	21,65	21,65	21,65	21,65	21,65	21,65
THROAT DEPTH (E) – (inch)	16,14	16,14	16,14	16,14	16,14	16,14	16,14	16,14	16,14	16,14
TABLE HEIGHT (F) – (inch)	35,43	35,43	35,43	35,43	35,43	35,43	35,43	35,43	35,43	35,43
TABLE WIDTH (G) – (inch)	3,54	3,54	3,54	8,66	3,54	7,87	3,54	7,87	3,54	7,87
LENGTH (L) – (inch)	147,6	167,3	167,3	179,1	192,9	200,8	200,8	202,8	207,9	209,4
HEIGHT(H) – (inch)	110,2	110,2	110,2	114,2	110,2	118,1	112,2	118,1	112,2	118,1
WIDTH (W) – (inch)	76,8	76,8	84,6	92,5	84,6	92,5	84,6	92,5	84,6	88,6
WEIGHT (lbr)	16538	18302	21168	33516	24476	35501	26681	37265	27563	38588
OPTIONAL										
SPEED OF TRAVEL X1,X2 AXIS (inch/s)	19,69	19,69	19,69	19,69	19,69	19,69	19,69	19,69	19,69	19,69
SPEED OF TRAVEL R1,R2 AXIS (inch/s)	13,78	13,78	13,78	13,78	13,78	13,78	13,78	13,7	13,78	13,78
SPEED OF TRAVEL Z1,Z2 AXIS (inch/s)	39,37	39,37	39,37	39,37	39,37	39,37	39,37	39,37	39,37	39,37

SPEED BEND

Synchronized Hydraulic Press Brake.

ERMAKSAN
SHEET METAL WORKING MACHINERY

OPTIONAL

Wila Hydraulic Tool Clamping Systems (O)

Tool Storing Cabinet (O)

Technical Features

TYPE	Bending Length	Bending Power	Distance Between Columns	Crowning	Travel in X Axis	Travel of R Axis	Motor Power	Stroke	Daylight	Throat Depth	Length	Height	Width	Weight
	A	B						C	D	E	L	H	W	
	inch	Tons	inch	Standard	inch	inch	HP	inch	inch	inch	inch	inch	inch	lbr.
SB 4,17' - 44	50	44	41,34	-	19,69	9,84	7,38	6,69	15,22	13,78	84,65	90,55	64,96	7056
SB 4,17' - 66	50	66	39,37	-	19,69	9,84	10,06	10,83	20,87	16,14	88,58	108,27	77,17	9482
SB 6,89' - 44	82,68	44	66,93	Motorized	19,69	9,84	7,38	6,69	15,22	13,78	114,17	90,55	64,96	9041
SB 6,89' - 66	82,68	66	66,93	Motorized	19,69	9,84	10,06	10,83	20,87	16,14	127,95	108,27	77,17	12789
SB 8,53' - 66	102,36	66	86,61	Motorized	19,69	9,84	10,06	10,83	20,87	16,14	147,64	108,27	77,17	13671
SB 8,53' - 110	102,36	110	86,61	Motorized	31,50	9,84	14,75	10,83	20,87	16,14	147,64	110,24	76,77	15435
SB 8,53' - 149	102,36	149	86,61	Motorized	31,50	9,84	20,12	10,83	21,65	16,14	147,64	110,24	80,71	18522
SB 10,17' - 110	122,05	110	102,36	Motorized	31,50	9,84	14,75	10,83	20,87	16,14	167,32	110,24	76,77	16758
SB 10,17' - 149	122,05	149	102,36	Motorized	31,50	9,84	20,12	10,83	21,65	16,14	167,32	110,24	80,71	19404
SB 10,17' - 193	122,05	193	102,36	Motorized	31,50	9,84	20,12	10,83	21,65	16,14	167,32	110,24	84,65	21168
SB 10,17' - 242	122,05	242	102,36	Motorized	31,50	9,84	24,81	10,83	21,65	16,14	179,13	112,20	88,58	25799
SB 10,17' - 286	122,05	286	102,36	Motorized	31,50	9,84	29,50	10,83	21,65	16,14	179,13	114,17	92,52	33516
SB 10,17' - 352	122,05	352	102,36	Motorized	31,50	9,84	40,23	14,76	25,59	16,14	179,13	125,98	96,46	37320
SB 10,17' - 440	122,05	440	100,39	Motorized	31,50	9,84	40,23	14,76	25,59	20,08	179,13	136,61	104,33	46393
SB 10,17' - 550	122,05	550	96,46	Motorized	31,50	9,84	40,23	14,76	26,57	20,08	192,91	147,64	104,33	61079
SB 12,34' - 193	148,03	193	127,95	Motorized	31,50	9,84	20,12	10,83	21,65	16,14	192,91	110,24	84,65	24476
SB 12,34' - 242	148,03	242	127,95	Motorized	31,50	9,84	24,81	10,83	21,65	16,14	200,79	114,17	88,58	28224
SB 12,34' - 286	148,03	286	127,95	Motorized	31,50	9,84	29,50	10,83	21,65	16,14	200,79	118,11	92,52	35501
SB 12,34' - 352	148,03	352	127,95	Motorized	31,50	9,84	40,23	14,76	25,59	16,14	200,79	124,02	96,46	44497
SB 13,45' - 149	161,42	149	141,73	Motorized	31,50	9,84	20,12	10,83	21,65	16,14	200,79	110,24	82,68	23814
SB 13,45' - 193	161,42	193	141,73	Motorized	31,50	9,84	20,12	10,83	21,65	16,14	200,79	112,20	84,65	26681
SB 13,45' - 242	161,42	242	141,73	Motorized	31,50	9,84	24,81	10,83	21,65	16,14	202,76	118,11	88,58	30870
SB 13,45' - 286	161,42	286	141,73	Motorized	31,50	9,84	29,50	10,83	21,65	16,14	202,76	118,11	92,52	37265
SB 13,45' - 352	161,42	352	141,73	Motorized	31,50	9,84	40,23	14,76	25,59	16,14	210,63	124,02	96,46	48400
SB 13,45' - 440	161,42	440	139,76	Motorized	31,50	9,84	40,23	14,76	25,59	20,08	214,57	136,61	104,33	58499
SB 13,45' - 550	161,42	550	133,86	Motorized	31,50	9,84	40,23	14,76	26,57	20,08	214,57	151,57	104,33	71663
SB 13,45' - 660	161,42	660	133,86	Motorized	31,50	9,84	49,62	14,76	26,57	20,08	232,28	143,70	104,33	80483
SB 13,45'-1375	161,42	1375	118,11	Motorized	39,37	9,84	73,76	20,08	39,37	24,02	232,28	181,10	129,92	171262
SB 13,45'-1650	161,42	1650	114,17	Motorized	39,37	9,84	100,58	24,02	43,31	24,02	232,28	196,85	145,67	203014
SB 14' - 149	168,11	149	148,82	Motorized	31,50	9,84	20,12	10,83	21,65	16,14	207,87	110,24	84,65	24476
SB 14' - 242	168,11	242	148,82	Motorized	31,50	9,84	24,81	10,83	21,65	16,14	209,45	118,11	88,58	32634
SB 14' - 352	168,11	352	148,82	Motorized	31,50	9,84	40,23	14,76	25,59	16,14	220,47	125,98	96,46	49833
SB 14' - 440	168,11	440	148,82	Motorized	31,50	9,84	40,23	14,76	25,59	20,08	220,47	136,61	104,33	58984
SB 14' - 660	168,11	660	141,73	Motorized	31,50	9,84	49,62	14,76	26,57	20,08	240,16	145,67	104,33	82136
SB 20,01' - 242	240,16	242	200,79	Motorized	31,50	9,84	24,81	10,83	21,65	16,14	295,28	125,98	92,52	57330
SB 20,01' - 352	240,16	352	200,79	Motorized	31,50	9,84	40,23	14,76	25,59	16,14	295,28	131,89	96,46	68576
SB 20,01' - 440	240,16	440	200,79	Motorized	31,50	9,84	40,23	14,76	25,59	20,08	301,18	147,64	104,33	87980
SB 20,01' - 550	240,16	550	200,79	Motorized	31,50	9,84	40,23	14,76	26,57	20,08	311,02	145,67	104,33	94374
SB 20,01' - 660	240,16	660	200,79	Motorized	31,50	9,84	49,62	14,76	26,57	20,08	311,02	153,54	104,33	106061
SB 20,01' - 880	240,16	880	200,79	Motorized	39,37	9,84	49,62	16,14	27,95	24,02	311,02	161,42	120,08	138915
SB 20,01'-1100	240,16	1100	200,79	Motorized	39,37	9,84	60,35	20,08	35,43	24,02	311,02	171,26	127,95	159466
SB 20,01'-1375	240,16	1375	196,85	Motorized	39,37	9,84	73,76	20,08	39,37	24,02	311,02	188,98	133,86	206653
SB 20,01'-1650	240,16	1650	192,91	Motorized	39,37	9,84	100,58	24,02	43,31	24,02	311,02	196,85	145,67	235119

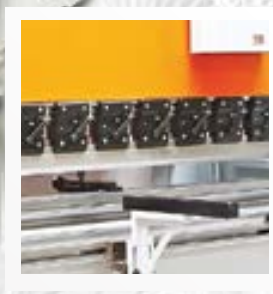
POWER-BEND PRO

3 Axes (R Manual) CNC Press Brake.

ERMAKSAN
SHEET METAL WORKING MACHINERY

CNC Motorised Crowning System

Manual Crowning System



Quick Lock Release Top Tool Clamping System (S)

Technical Features

TYPE	BENDING LENGTH	BENDING POWER	DISTANCE BETWEEN COLUMNS	Y RAPID SPEED	Y WORKING SPEED *	TRAVEL IN X AXIS	OIL CAPACITY	MOTOR POWER	DAYLIGHT	THROAT DEPTH	LENGTH	HEIGHT	WIDTH	WEIGHT
	A		B						D	E	L	H	W	
	mm	Ton	mm	mm/s	mm/s	mm	lt.	kW	mm	mm	mm	mm	mm	kg.
PB-PRO 1270 - 40	1270	40	1050	140	17	800	80	5.5	387	350	2150	2300	1650	3050
PB-PRO1270 - 60	1270	60	1000	200	14	800	150	7.5	530	410	2250	2750	1960	4150
PB-PRO 2100 - 40	2100	40	1700	140	17	800	80	5.5	387	350	2900	2300	1650	3950
PB-PRO 2100 - 60	2100	60	1700	200	14	800	150	7.5	530	410	3250	2750	1960	5650
PB-PRO 2600 - 60	2600	60	2200	200	14	800	150	7.5	530	410	3750	2750	1960	6050
PB-PRO 2600 - 100	2600	100	2200	200	9.5	800	150	7.5	530	410	3750	2800	1950	6850
PB-PRO 2600 - 135	2600	135	2200	160	10	800	200	11	550	410	3750	2800	2050	8250
PB-PRO 3100 - 100	3100	100	2600	200	9.5	800	150	7.5	530	410	4250	2800	1950	7450
PB-PRO 3100 - 135	3100	135	2600	200	10	800	200	11	550	410	4250	2800	2050	8650
PB-PRO 3100 - 175	3100	175	2600	180	10	800	200	15	550	410	4250	2800	2150	9450
PB-PRO 3100 - 220	3100	220	2600	180	11	800	300	18.5	550	410	4550	2850	2250	11500
PB-PRO 3100 - 260	3100	260	2600	140	11	800	300	22	550	410	4550	2900	2350	15000
PB-PRO 3100 - 320	3100	320	2600	140	10.5	800	400	30	650	410	4550	3200	2450	16800
PB-PRO 3100 - 400	3100	400	2550	110	8.4	1000	400	30	650	510	4550	3470	2650	20840
PB-PRO 3760 - 175	3760	175	3250	180	10	800	200	15	550	410	4900	2800	2150	10950
PB-PRO 3760 - 220	3760	220	3250	180	11	800	300	18.5	550	410	5100	2900	2250	12600
PB-PRO 3760 - 320	3760	320	3250	140	10.5	800	400	30	650	410	5100	3150	2450	20000
PB-PRO 4100 - 135	4100	135	3600	200	10	800	200	11	550	410	5100	2800	2100	10650
PB-PRO 4100 - 175	4100	175	3600	180	10	800	200	15	550	410	5100	2850	2150	11950
PB-PRO 4100 - 220	4100	220	3600	180	11	800	300	18.5	550	410	5150	3000	2250	13800
PB-PRO 4100 - 260	4100	260	3600	140	11	800	300	22	550	410	5150	3000	2350	16700
PB-PRO 4100 - 320	4100	320	3600	140	10.5	800	400	30	650	410	5350	3150	2450	21750
PB-PRO 4100 - 400	4100	400	3550	110	8.4	1000	400	30	650	510	5450	3470	2650	26330
PB-PRO 4270 - 135	4270	135	3780	200	10	800	200	11	550	410	5280	2800	2150	10950
PB-PRO 4270 - 220	4270	220	3780	180	11	800	300	18.5	550	410	5320	3000	2250	14600
PB-PRO 4270 - 400	4270	400	3780	110	8.4	1000	400	30	650	510	5600	3470	2650	26550
PB-PRO 6100 - 220	6100	220	5100	130	11	800	300	18.5	550	410	7500	3200	2350	25800
PB-PRO 6100 - 320	6100	320	5100	80	10.5	800	400	30	650	410	7500	3350	2450	30900
PB-PRO 6100 - 400	6100	400	5100	80	8.4	1000	400	30	650	510	7650	3750	2650	39700

ECO BEND

CNC Hydraulic Press Brake.

ERMAKSAN
SHEET METAL WORKING MACHINERY

Hydraulic Group

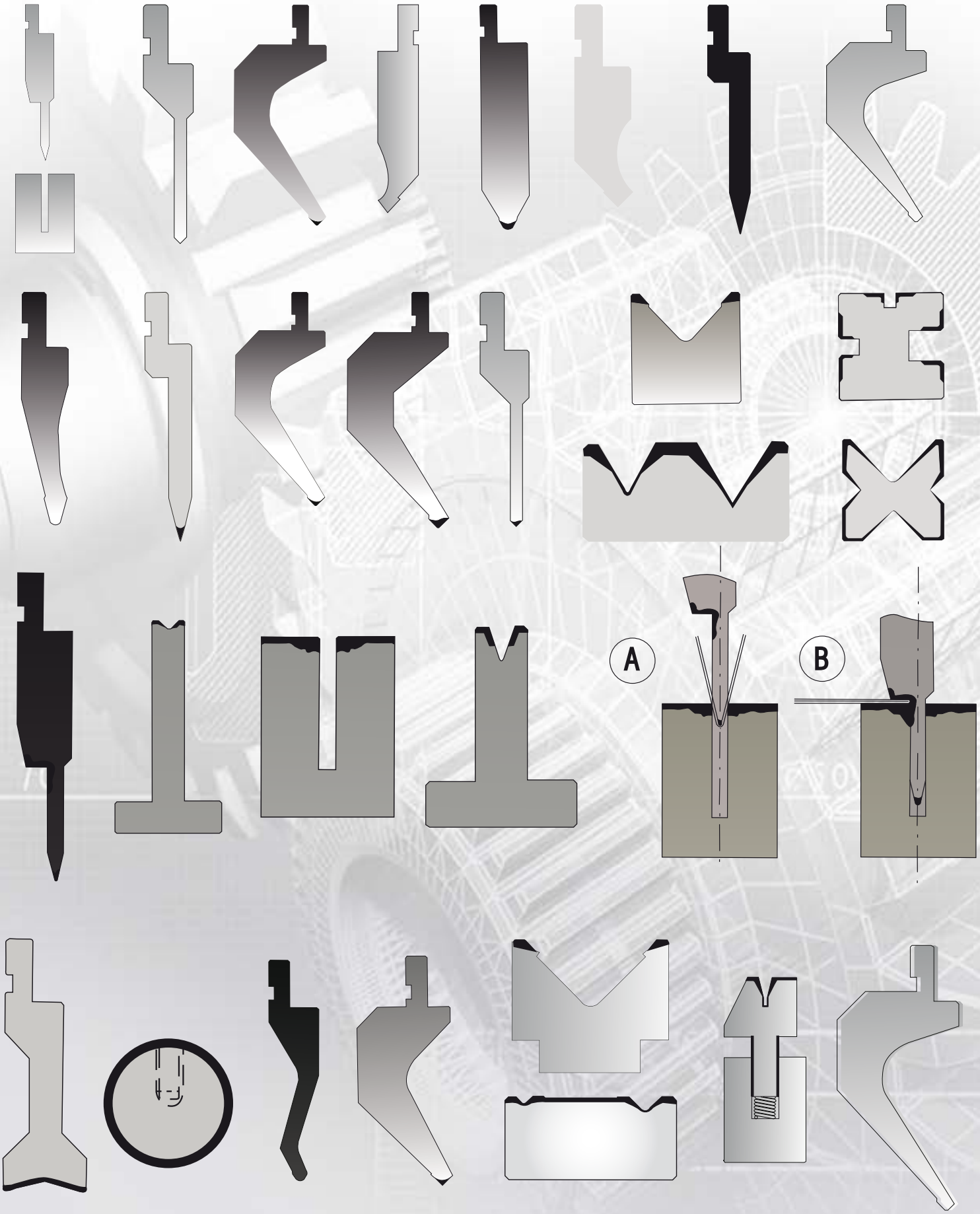
HEIDENHAIN and
GIVI MISURE Linear Encorders

Technical Features

TYPE	BENDING LENGTH	BENDING POWER	DISTANCE BETWEEN COLUMNS	Y RAPID SPEED	Y WORKING SPEED	TRAVEL IN X AXIS	OIL CAPACITY	MOTOR POWER	THROAT DEPTH	LENGHT	HEIGHT	WIDTH	WEIGHT
	A		B						E	L	H	W	
	mm	Ton	mm	mm/sec	mm/sec	mm	lt.	kW	mm	mm	mm	mm	kg.
ECO BEND 2600 - 80	2600	80	1600	90	7,5	500	150	5,5	250	3750	2300	1950	4557
ECO BEND 2600 - 120	2600	120	1600	90	7,5	500	150	7,5	250	3750	2325	1900	5229
ECO BEND 3100 - 80	3100	80	2050	90	7,5	500	150	5,5	250	4250	2300	1950	4893
ECO BEND 3100 - 120	3100	120	2050	90	7,5	500	150	7,5	250	4250	2325	1900	5550
ECO BEND 3100 - 160	3100	160	2050	90	6,1	500	200	7,5	250	4250	2500	1900	6500
ECO BEND 3100 - 200	3100	200	2050	100	7	500	200	11	250	4450	2650	2050	8050
ECO BEND 3600 - 120	3600	160	2600	90	7,5	500	150	7,5	250	4750	2325	1900	6536
ECO BEND 3600 - 160	3600	160	2600	90	6,1	500	200	7,5	250	4750	2500	1900	7171
ECO BEND 3600 - 200	3600	200	2600	100	7	500	200	11	250	4950	2650	2050	8755
ECO BEND 4100 - 120	4100	120	3100	90	7,5	500	150	7,5	250	5050	2325	1900	7425
ECO BEND 4100 - 160	4100	160	3100	90	6,1	500	200	7,5	250	5050	2500	1900	8030
ECO BEND 4100 - 200	4100	200	3100	100	7	500	200	11	250	5150	2650	2050	9816

SPECIAL TOP AND BOTTOM TOOLS FOR PRESS BRAKE MACHINE

ERMAKSAN
SHEET METAL WORKING MACHINERY



EKN-6

Ermak Hydraulic Corner Notcher

ERMAKSAN
SHEET METAL WORKING MACHINERY

Technical Features

Cutting Capacity	
Mild Steel ST37	: 6 mm (from 60° to 140°)
Mild Steel ST37	: 4 mm (from 30° to 59°)
Stainless Steel	: 3 mm (from 60° to 140°)
Stainless Steel	: 2,5 mm (from 30° to 59°)
Technical Information	
Main Motor	: 4 kW
Working Pressure	: 200 bar
Oil Capacity	: 48 lt
Table Dimension	: 1150 x 610 mm
Cutting Angle	: 30° - 140°
Blade Length	: 200 x 200 mm
Max. Stroke	: 30 / min.
Dimensions	
Length	: 1150 mm
Width	: 1156 mm
Height	: 1440 mm
Weight	: 1050 kg

Technical Features

		EKM 50	EKM 50 M	EKM 60/120	EKM 80/150	EKM 110/180 DB
Motor Power	KW	3	3	5.5	11	11
Oil Capacity	lt	40	40	80	80	80
Weight(Apr.)	kg	985	1060	1475	2784	3780
Machine Dimension (Apr.) (L x W x H)	mm	1430x1445x1450	1460x1445x1520	1480x1450x1780	2170x1940x2010	2525x1940x2195
PUNCHING						
Punching Pressure	ton	50	50	60	80	110
Punch Capacity (Max.Diameter x Thickness)	mm	Ø27x13	Ø27x13	Ø40x10	Ø40x14	Ø40x20
Punch Capacity (Diameter x Max.Thickness)	mm	Ø18x18	Ø18x18	Ø20x20	Ø24x24	Ø28x28
Throat Depth	mm	180	180	250	510	610
Stroke lenght	mm	22	22	60	70	80
Cycles /Min. (15 mm stroke)	piece	20	20	35	38	28
Table Size	mm	550x310	550x310	550x370	550x630	550x625
Working Height up to Die	mm	1015	1015	1080	1200	1250
FLAT SHEARING						
Flat Bar (max. thickness)	mm	200x16	200x16	200x20	300x20	400x20
Flat Bar (max. width)	mm	300x13	300x13	300x15	450x15	600x15
Blade Length	mm	310	310	310	475	610
Angle Flange Trim	mm	80	80	60	80	100
Working Height	mm	1025	1030	900	1025	1075
ANGLE SHEARING						
At 90° Shearing	mm	80x80x8	80x80x8	120x120x10	130x130x13	152x152x13
At 45° Miter Shearing	mm	-	60x60x6	70x70x7	70x70x7	70x70x7
Working Height	mm	1080	1218	1150	1250	1285
BAR SHEARING						
Round Bar Shear	mm	30	25	16-40	45	50
Square Bar Shear	mm	30	22	16-40	45	50
Working Height	mm	1145	1180	1100	1310	1375
NOTCHING						
Material thickness	mm	7	7	10	12	13
Rectangular Notcher (width)	mm	40	40	42	52	52
Rectangular Notcher (depth)	mm	50	50	90	90	90
Vee-Notcher (Side x Side x T)	mm	40x45x7	40x45x7	42x42x10	52x52x12	52x52x13
Working Height	mm	1030	1030	975	1015	1075
OPTIONAL EQUIPMENTS						
Largest Hole(Max. Diameter)	mm	Ø100	Ø100	Ø160	Ø160	Ø160
Single Vee Press Brake(W x T) (V=80)	mm	-	-	250x10	300x10	300x10
Multi Vee Press Brake(W x T)	mm	-	-	500x5	600x6	600x8
U Profil Shear	mm	100	100	120	140	160
I Profil Shear	mm	100	100	120	140	160
T Profil Shear	mm	40	40	50	60	60
Vee90 Notcher(Side x Side x T)	mm	75x75x4	75x75x4	95x95x6	125x125x6	125x125x6
Tube Notch(Max. Outside Diameter)	mm	60	60	60	60	60

SUPER V CUTTING

Main Technical Parameter

Minimum & Maximum Sheet tickenss	0.6 mm-4.5mm
Sheet Length	4000mm
Sheet Width	1220mm
Cutting Speed	15m/min-60m/min
Feed rate	2m/min-0m/min
Y axis minimum unit set	0.01mm
Y axis minimum positioning accuracy	+0.05mm
Z axis minimum unit set	0.01mm
Z axis minimum positioning accuracy	+0.05mm
X axis moror power	W=5.5KW
Y axis moror power	W=1KW
Z axis moror power	W=1KW
Hydraulic Clumbing	15 Pices
Dimension	6000mm*2000mm*1550mm
Weight	9Ton

Plate Rolling Machine

Technical Features

MODEL	Useful length	Min. Diameter=top roll Ø5 times	Min. Diameter=top roll Øx1.5 times	Min. Diameter=top roll Øx 5 times	Min. Diameter=top roll Øx1.5 times	Central rolls Ø	Side Rolls Ø	Motor Power	Working speed	Machine dimensions(LxWxH)	Weight
	mm	mm	mm	mm	mm	mm	mm	kW	m/min.(dk.)	mm	kg
4R HSS 20-280	2050	20	16	16	12	280	220	16,5	1,5-5	4850x1700x1850	8550
4R HSS 20-320	2050	25	20	20	16	320	240	20	1,5-5	4900x1800x1950	10750
4R HSS 20-350	2050	30	25	25	20	350	260	23,5	1,5-5	4900x1900x1950	11500
4R HSS 20-380	2050	40	30	30	25	380	300	31,5	1,5-5	4900x2250x2350	15800
4R HSS 20-400	2050	45	35	35	30	400	300	38,5	1,5-5	4900x2250x2350	16500
4R HSS 20-460	2050	50	40	40	35	460	380	38,5	1,5-5	4900x2300x2350	19600
4R HSS 20-500	2050	55	50	50	40	500	400	60	1-4	5550x2800x2900	30000
4R HSS 20-550	2050	60	50	50	45	550	450	66	1-4	5700x2900x2950	40000
4R HSS 25-280	2550	16	12	12	10	280	220	16,5	1,5-5	5300x1700x1850	9200
4R HSS 25-320	2550	20	16	16	12	320	240	20	1,5-5	5400x1800x1950	11750
4R HSS 25-350	2550	25	20	20	16	350	260	23,5	1,5-5	5400x1900x1950	13000
4R HSS 25-380	2550	30	25	25	20	380	300	31,5	1,5-5	5400x2250x2350	17300
4R HSS 25-400	2550	40	30	30	25	400	300	38,5	1,5-5	5400x2250x2350	18000
4R HSS 25-460	2550	45	35	35	30	460	380	38,5	1,5-5	5400x2300x2350	22500
4R HSS 25-500	2550	50	40	40	35	500	400	60	1-4	6050x2800x2900	33000
4R HSS 25-550	2550	55	45	45	40	550	450	66	1-4	6200x2900x2950	43500
4R HSS 30-280	3100	12	10	10	8	280	220	16,5	1,5-5	5850x1700x1850	10000
4R HSS 30-320	3100	16	12	12	10	320	240	20	1,5-5	5950x1800x1950	12750
4R HSS 30-350	3100	20	16	16	12	350	260	23,5	1,5-5	5950x1900x1950	15000
4R HSS 30-380	3100	25	20	20	16	380	300	31,5	1,5-5	5950x2250x2350	18800
4R HSS 30-400	3100	30	25	25	20	400	300	38,5	1,5-5	5950x2250x2350	20000
4R HSS 30-460	3100	40	30	30	25	460	380	38,5	1,5-5	5950x2300x2350	24660
4R HSS 30-500	3100	45	35	35	30	500	400	60	1-4	6600x2800x2900	43000
4R HSS 30-550	3100	50	40	40	35	550	450	66	1-4	6750x2900x2950	47000
4R HSS 30-580	3100	60	45	45	40	580	480	73	1-4	6750x2950x2950	55000
4R HSS 30-620	3100	70	60	60	50	620	520	123	1-4	7200x3250x3250	62000
4R HSS 30-680	3100	85	70	70	60	680	580	150	1-4	7700x3500x3600	82500
4R HSS 40-280	4100	8	6	6	4	280	220	16,5	1,5-5	6850x1700x1850	13000
4R HSS 40-320	4100	10	8	8	6	320	240	20	1,5-5	6950x1800x1950	14750
4R HSS 40-350	4100	12	10	10	8	350	260	23,5	1,5-5	6950x1900x1950	19000
4R HSS 40-380	4100	16	12	12	10	380	300	31,5	1,5-5	6950x2250x2350	22000
4R HSS 40-400	4100	20	16	16	12	400	300	38,5	1,5-5	6950x2250x2350	23500
4R HSS 40-460	4100	25	20	20	16	460	380	38,5	1,5-5	6950x2300x2350	30000
4R HSS 40-500	4100	35	25	25	20	500	400	60	1-4	7600x2800x2900	42000
4R HSS 40-550	4100	40	30	30	25	550	450	66	1-4	7750x2900x2950	54000

Plate Rolling Machine

Technical Features

MRM-S 2550x150	2550	2/3	3/4	150	225	3	1,1	4250x650x1020	2150
MRM-S 2550x180	2550	3/4	4/5	180	270	4	1,5	4350x950x1300	3050
MRM-S 2550x190	2550	4/5	5/6	190	285	4	1,5	4700x950x1300	3400
MRM-S 2550x220	2550	5/6	6/7	220	330	5,5	2,2	4700x1150x1400	5000
MRM-S 3050x160	3050	1,5/2	2/3	160	240	4	1,1	4850x720x1050	2650
MRM-S 3050x190	3050	2/3	3/4	190	285	4	1,5	5200x950x1300	3750
MRM-S 3050x200	3050	3/4	4/5	200	300	4	1,5	5200x950x1300	4000
MRM-S 3050x220	3050	4/5	5/6	220	330	5,5	2,2	5200x1150x1400	6000

Flanging Machine

MODEL		EFM 6
Max. Plate Diameter Ø	mm	3000
Min. Plate Diameter Ø	mm	750
Max. Flanging Height	mm	40
Max. Flanging Radius	mm	200
Max. Plate Thickness (Considering Mild Steel-Y.P.=24Kg/mm²)	mm	3- 6
Max. Plate Thickness (Considering Stainless Steel AISI 304-316)	mm	2- 4
Motor power	kW	7. 5
Length	mm	5350
Width	mm	1200
Height	mm	1570
Weight	kg	2150

DISH END PRESS & Flanging Machine

PLATE ROLLING MACHINE

MODEL		HPK 240	HPK 280	HPK 300	HPK 360
Shaft diameters	Ømm	240	280	300	360
Rolls Diameter	Ømm	700	750	800	850
Working speed	m/min	2-4	2-4	2-4	2-4
Motor power	kW	44	58	73	77
Length	mm	4200	4200	4750	4750
Width	mm	2950	3200	3300	3300
Height	mm	3200	3300	3400	3400
Weight	kg	28500	35000	38500	55.000

Capacity Charts

CAPACITY CHART

		PK 30		PK 35		HPK 50		HPK 60		HPK 65		
No.	Profile Type	Size	Min Dia.	Ölçüler Size Размер	Min Dia.	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Notes
1		50x10 20x6	800 300	60x10 40x10	500 400	60x10 20x10	600 300	80x20 40x10	1200 400	60x10 20x5	500 250	Standard Rolls
2		80x15 30x6	700 400	100x15 60x10	450 350	100x15 50x10	600 300	120x25 50x10	600 400	80x20 50x5	500 250	Standard Rolls
3		30x30 10x10	900 200	35x35 20x20	900 300	35x35 15x15	600 300	50x50 20x20	800 400	32x32 12x12	400 250	Standard Rolls
4		Ø 30 Ø 10	900 200	Ø 35 Ø 30	600 400	Ø 35 Ø 20	600 300	Ø 50 Ø 20	800 400	Ø 35 Ø 10	350 250	Optional Rolls
5		Ø 60x1,5 Ø 25x1,5	1000 600	Ø 70x2 Ø 30x2	1000 500	Ø 70x2 Ø 25x1,5	1200 400	Ø 100x2 Ø 60x2	1600 500	Ø 60x2 Ø 15x1,5	600 200	Optional Rolls
6		1 1/2”x2,9 1/4”x1,8	600 300	2”x2,9 1”x2,3	1000 350	2”x2,9 1/2”x2,3	1000 300	3”x3,2 1”x2,6	1600 500	Ø 2”x3,91 Ø 1/2”x2,77	400 200	Optional Rolls
7		50x30x3 40x20x2	1200 800	70x30x2 50x40x3	1200 1200	70x30x3 30x15x2	1500 400	80x40x3 40x20x2	1400 500	50x25x3 20x15x2	450 250	Optional Rolls
8		40x3 30x2	1200 800	50x3 40x3	1700 600	50x3 20x2	1600 400	70x3 40x2	1600 500	45x3 20x2	600 300	Optional Rolls
9		40x40x5 30x30x4	600 300	50x50x5 40x40x5	800 600	50x50x6 30x30x3	600 400	70x70x7 40x40x5	1000 500	60x60x6 30x30x4	650 350	Optional Rolls
10		35x35x5 30x30x4	600 400	50x50x6 30x30x3	1000 500	50x50x6 30x30x3	900 600	70x70x7 40x40x5	1200 600	50x50x5 30x30x4	550 350	Optional Rolls
11		50x6 20x3	600 400	60x7 50x6	700 500	60x7 30x4	800 500	80x9 40x5	1000 400	60x7 20x3	550 250	Standard Rolls
12		50x6 20x3	600 400	60x7 50x6	700 500	50x6 30x4	800 500	80x9 40x5	1200 500	50x6 20x3	500 250	Standard Rolls
13		50x6 20x3	600 400	60x7 50x6	700 500	60x7 30x4	800 500	80x9 40x5	1000 400	60x70 20x3	500 250	Standard Rolls
14				UPN 80 UPN 60	1000 700	UPN 80 UPN 30	800 400	UPN 120 UPN 60	800 500	UPN 80 UPN 30	600 250	Optional Rolls*
15				UPN 80 UPN 30	1200 800	UPN 80 UPN 30	1200 600	UPN 120 UPN 60	1200 600	UPN 65 UPN 30	600 250	Standard Rolls*
16										IPN 80	600	Optional Rolls*

* Special washer (spacer) can be necessary

Capacities are given for 260 N/mm² plate yielding strength. / We reserve the right to make changes without notice.

Capacity Charts

CAPACITY CHART

		HPK 80		HPK 100		HPK 120		HPK 160		HPK 180 DP		
No.	Profile Type	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Notes
1		100x20 80x20 30x10	2000 800 300	100x20 30x10	800 400	125x25 30x10	1200 500	150x40 50x10	2500 700	60x10 180x30	1000 2000	Standard Rolls
2		125x25 60x5	600 300	200x30 160x35 80x5	1200 800 400	200x50 100x10	1000 500	280x50 120x15	1500 700	80x20 280x60	1000 1800	Standard Rolls
3		45x45 15x15	500 380	60x60 15x15	750 400	65x65 20x20	750 500	90x90 30x30	1500 700	32x32 10x110	1000 1800	Standard Rolls
4		Ø 50 Ø 15	500 380	Ø 75 Ø 15	800 450	Ø 80 Ø 20	850 500	Ø 90 Ø 30	1800 700	Ø 35 Ø 110	1000 1500	Optional Rolls
5		Ø 100 x 2,5 Ø 15x1	1200 380	Ø 125x2,5 Ø 15x1	1400 450	Ø 160x4 Ø 140x3 Ø 50x2	2800 1500 500	Ø 180x4 Ø 60x2	4000 700	Ø 220x5 Ø 60x2	8000 1000	Optional Rolls
6		Ø 3"x5,48 Ø 1/2"x2,77	800 380	Ø 4"x6,02 Ø 1/2"x2,77	1000 450	Ø 5"x6,35 Ø 3/4"x2,87	1500 500	Ø 6"x7,11 Ø 1"x3,78	2500 700	Ø 8"x8,18 Ø 2"x3,9	4000 1000	Optional Rolls
7		80x25x3 25x15x2	800 350	100x40x4 25x15x2	1300 450	120x40x4 30x20x3	1800 500	150x50x5 60x30x3	3000 700	200x100x8	5000	Optional Rolls
8		70x3 25x2	1300 350	80x5 25x2	1500 450	90x5 30x3	1800 500	120x8 40x3	3000 700	150x8	4500	Optional Rolls
9		80x80x8 30x30x3	800 400	100x100x12 40x40x4	1000 700	120x120x12 40x40x4	1200 600	150x150x18 50x50x5	2200 1000	180x180x18 60x60x6	1000 2000	Optional Rolls
10		70x70x7 30x30x3	700 450	100x100x10 40x40x4	1000 550	100x100x10 40x40x4	1200 600	150x150x15 50x50x5	3000 1200	180x180x15 50x50x5	1000 2500	Optional Rolls
11		80x9 25x3,5	800 450	100x11 30x4	1000 400	100x11 30x4	800 500	150x15	2000	160x20	2000	Standard Rolls
12		70x8 25x3,5	800 280	90x10 30x4	1000 400	100x11 30x4	1000 500	130x15	2500	150x20	2500	Standard Rolls
13		80x9 30x4	800 280	100x11 30x4	1000 400	100x11 30x4	800 500	150x15	2000	160x20	2000	Optional Rolls
14		UPN 140 UPN 120 UPN 100	1600 900 800	UPN 180 UPN 30	900 400	UPN 220 UPN 180 UPN 40	1000 800 500	UPN 300	2000	UPN 80 UPN 350	1000 2000	Standard Rolls*
15		UPN 140 UPN 120 UPN 100	1600 1000 800	UPN 180 UPN 30	1000 400	UPN 220 UPN 180 UPN 40	1200 900 600	UPN 300	2500	UPN 65 UPN 350	1000 2500	Standard Rolls*
16		IPN 120 IPN 80	600 400	IPN 180 IPN 80	1000 400	IPN 220 IPN 80	1000 500	IPN 300	2500	IPN 360	3000	Optional Rolls*
17				HEB 100 HEA 120	1200 1000	HEB 120 HEA 140	1200 1200	HEB 180	3000	HEB 100 HEB 200	1500 2500	Optional Rolls*
18						UPN 120 UPN 50	5000 1000	UPN 180 UPN 120	8000 3000	UPN 100 UPN 220	4000 8000	Optional Rolls**
19						IPN 160 IPN 140 IPN 80	5000 4000 1200	IPN 200 IPN 100	5000 2000	IPN 100 IPN 220	3500 4500	Optional Rolls**
20						HEB 100 HEA 120	1600 3000	HEB 140 HEA 160	2500 4000	HEB 100 IHEB 160	3000 4000	Optional Rolls**

* Special washer (spacer) can be necessary / ** Only with special Beam Bending Attachment

Capacities are given for 260 N/mm² plate yielding strength. / We reserve the right to make changes without notice.

Capacity Charts

CAPACITY CHART

		HPK 150		HPK 180		HPK 200		HPK 240		HPK 280		HPK 300		HPK 360		
No.	Profile Type	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Notes
1		150x35	2500	180x30	2500	200x50	3500	200x70	3800	220x80	4000	250x100	3000	300x100	3000	Standard Rolls
2		270x50	1500	280x60	2000	350x80	2500	380x80	2500	450x80	2500	500x100	2500	550x120	3000	Standard Rolls
3		90x90	1500	110x110	2000	120x120	3000	130x130	2500	150x150	2500	180x180	2500	200x200	3000	Standard Rolls
4		Ø 90	1800	Ø110	2000	Ø120	3000	Ø150	3000	Ø180	4000	Ø200	5000	Ø225	6000	Optional Rolls
5		Ø 150x4	6000	Ø 220x4	8000	Ø 273x5,6	10000	Ø 300x5,9	9000	Ø320x6,3	10000	Ø350x6	10000	Ø475x8,5	15000	Optional Rolls
6		Ø 6”x7.11	3500	Ø 8”x8,18	4000	Ø 9”x6,3	4000	Ø 10”x9.27	5000	Ø10”x15,06	6000	Ø12”x14,27	8000	Ø16”x12,7	12000	Optional Rolls
7		150x50x5	4500	200x100x8	5000	220x80x7	7000	300x100x10	8000	350x150x10	9000	400x200x10	10000	500x250x15	-	Optional Rolls
8		120x6	4000	150x8	4500	180x10	5500	200x10	6000	220x12	7000	260x14	8000	300x15	10000	Optional Rolls
9		150x150x18	2200	180x180x20	2500	200x200x20	3000	200x200x24	3000	220x220x22	3500	240x240x28	4000	250x250x25	6000	Optional Rolls
10		150x150x15	3000	180x180x15	3000	200x200x18	5000	200x200x18	4000	220x220x22	4000	240x240x28	4500	250x250x25	6000	Optional Rolls
11		150x15	2000	160x20	2500	200x20	3500	200x28	3000	220x22	3000	240x28	3000	250x25	4000	Standard Rolls
12		130x15	2500	150x20	3000	200x20	3500	200x20	3500	200x28	4000	220x22	4000	250x25	5000	Standard Rolls
13		150x15	2000	160x20	2500	200x20	4000	200x28	3000	220x22	3000	240x28	3000	250x25	4000	Optional Rolls
14		UPN 280	2000	UPN 350	2500	UPN 380	3000	UPN 450	3000	UPN 500	3500	UPN 550	3500	UPN 600	4000	Standard Rolls*
15		UPN 280	3000	UPN 350	3000	UPN 380	3500	UPN 450	3500	UPN 500	4000	UPN 550	4000	UPN 600	4500	Standard Rolls*
16		IPN 300	3000	IPN 360	3000	IPN 360	3500	IPN 450	3500	IPN 500	4000	IPN 550	4000	IPN 600	5000	Optional Rolls*
17		HEB 180	3000	HEB 200	2500	HEB 240	3000	HEB 300	4000	HEB 340	5000	HEB 500	5000	HEB 600	6000	Optional Rolls*
18		UPN 160	6000	UPN 220	8000	UPN 260	12000	UPN 260	12000	UPN 300	15000	UPN 300	15000	UPN 400	20000	Optional Rolls**
19		IPN 180	4500	IPN 220	5000	IPN 260	10000	IPN 300	12000	IPN 340	12000	IPN 360	10000	IPN 400	20000	Optional Rolls**
20		HEB 120	4000	HEB 160	5000	HEB 180	6000	HEB 200	7000	HEB 220	9000	HEB 280	10000	HEB 340	12000	Optional Rolls**

* Special washer (spacer) can be necessary / ** Only with special Beam Bending Attachment

Capacities are given for 260 N/mm², plate yielding strength. / We reserve the right to make changes without notice.

4 ROLLS PROFILE BENDING MACHINE

CAPACITY CHART

		4R HPK 60		4R HPK 80		4R HPK 100		
No.	Profile Type	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Notes
1		60x10 20x5	500 250	100x20 80x20 30x10	2000 800 300	100x20 30x10	800 400	Standard Rolls
2		80x20 50x5	500 250	125x25 60x5	600 300	200x30 160x35 80x5	1200 800 400	Standard Rolls
3		32x32 12x12	400 250	45x45 15x15	500 380	60x60 15x15	750 400	Standard Rolls
4		Ø 35 Ø 10	350 250	Ø 50 Ø 15	500 380	Ø 75 Ø 15	800 450	Optional Rolls
5		Ø 60x2 Ø 15x1,5	600 200	Ø 100x2,5 Ø 15x1	1200 380	Ø 125"x2,5 Ø 15x1	1400 450	Optional Rolls
6		Ø 2"x3,91 Ø 1/2"x2,77	400 200	Ø 3"x5,48 Ø 1/2"x2,77	800 380	Ø 4"x6,02 Ø 1/2"x2,77	1000 450	Optional Rolls
7		50x25x3 20x15x2	450 250	80x25x3 25x15x2	800 350	100x40x4 25x15x2	1300 450	Optional Rolls
8		40x3 20x2	600 300	70x3 25x2	1300 400	80x5 25x2	1300 450	Optional Rolls
9		60x60x6 30x30x4	650 350	80x80x8 30x30x3	800 450	100x100x12 40x40x4	1500 450	Optional Rolls
10		50x50x5 30x30x4	550 350	70x70x7 30x30x3	700 450	100x100x10 40x40x4	1000 700	Optional Rolls
11		60x7 20x3	550 250	80x9 25x3,5	800 280	100x11 30x4	1000 550	Standard Rolls
12		50x6 20x3	500 250	70x8 25x3,5	800 280	90x10 30x4	1000 400	Standard Rolls
13		60x70 20x3	500 250	80x9 30x4	800 300	100x11 30x4	1000 400	Optional Rolls
14		UPN 80 UPN 30	600 250	UPN 140 UPN 120 UPN 100	1600 900 600	UPN 180 UPN 30	900 400	Standard Rolls*
15		UPN 65 UPN 30	600 250	UPN 140 UPN 120 UPN 100	1600 1000 800	UPN 180 UPN 30	1000 400	Standard Rolls*
16		IPN 80	600	IPN 120 IPN 80	600 400	IPN 180 IPN 80	1000 400	Optional Rolls*

PIPE BENDING MACHINE

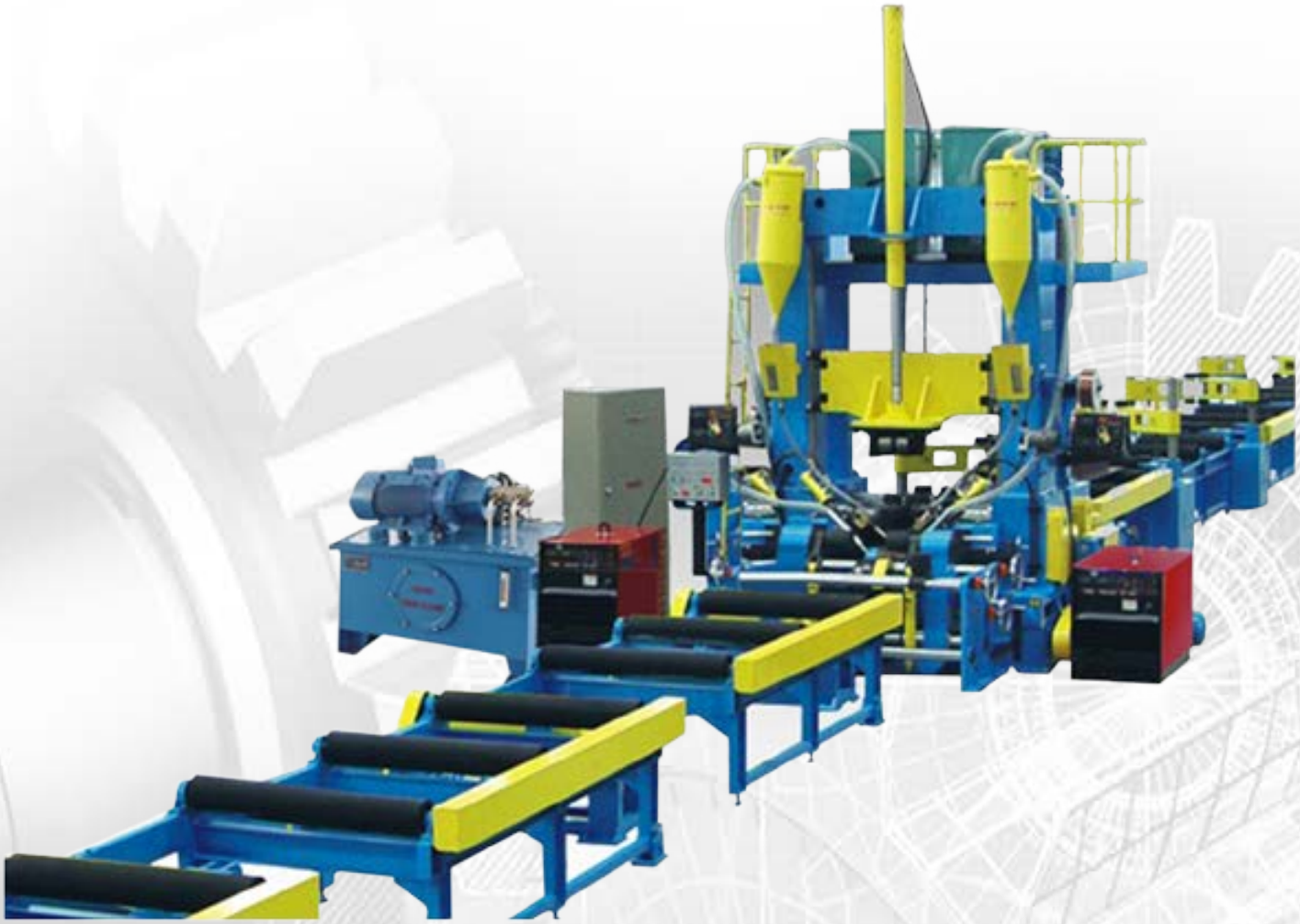
Technical Specifications:

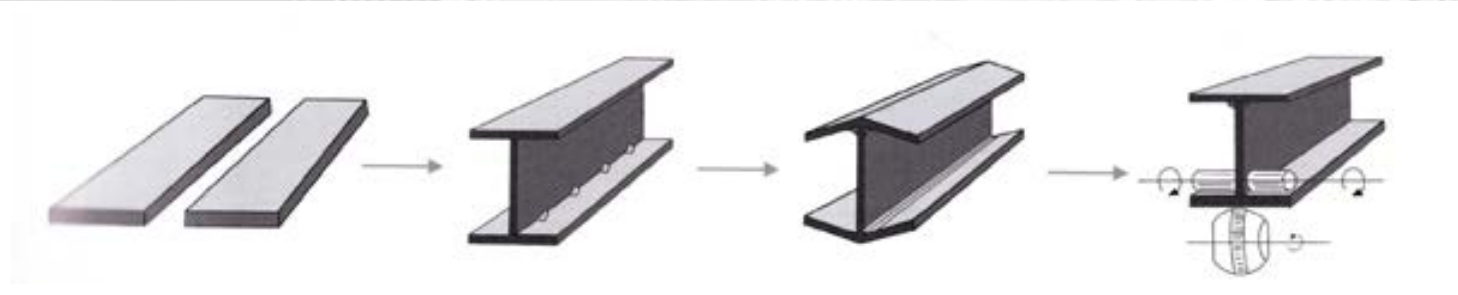
Motor Power	1.4 - 1,8 KW
Working Speed 1.4	1410
Working Speed 1.8	2850
Dimensions(LxWxH)	500X800X1000 mm
Net Weight	150 kg

BENDING CAPACITY:

Thick.	Max.	Min.	Degree
2-4mm	76mm	21mm	0 - 180°

H-BEAM ASSEMBLING, WELDING & STRAIGHTENING COMPAINED MACHINE

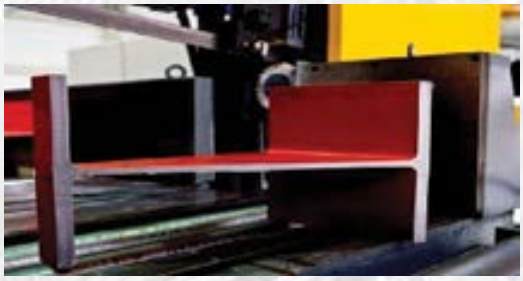




Web height	200-1500 mm
Web thickness	6-14mm
Flange width	200-800mm
Flange thickness	6-20mm
Workpiece length	4000-15000mm
Assembling and welding speed	0.35-3 m/min
Main machine power	3 kW
Conveyor roller power	0.75×4=3kw
Flux recycling system power	3×2=6kw
Hydraulic station power	5.5kw
Welding source power	69 kW×2=138 kW

CNC BAND SAWING MACHINE

Beams DJ1000C



Technical Features

Sawing capacity (without rotation) (web height × flange width)		Max.1000 mm×500 mm
		Min.200 mm×75 mm
Saw Blade Size		T:1.6mm W:54mm
Motor Power	Main Motor	11 kW
	Hydraulic Pump	5.5kW
Saw blade linear speed		20 ~ 100 m/min
Sawing feeding speed		Controlled by Program
Rotation angle		0° ~ 45°
Worktable height		800 mm
Main clamping hydraulic motor		100ml/r
Front clamping hydraulic motor		100ml/r
Overall Dimension		Approx. 4050×2300×2700 mm

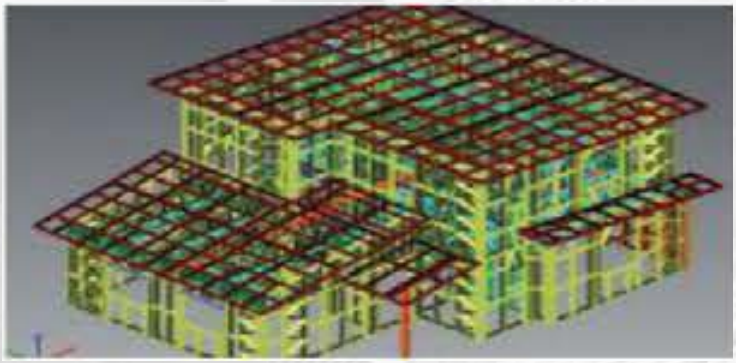
CNC DRILLING MACHINE

Beams Model SWZ1000C

Technical Features

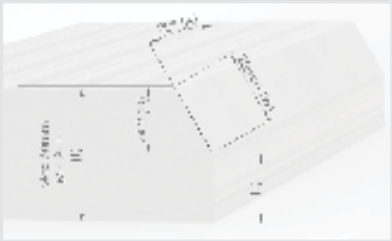
H-beam Size	H-beam	150×75~1000×500mm
	Thickness	≤80mm
	Length	12m
	Limitation to the min.	Automatic Processing ≥3000 mm
	H-beam	Manual Processing: 690 ~ 3000 mm
Spindle	Quantity	3 Pc.
	Drilling Range	Left and right drilling unit ¢ 12~ ¢ 26.5mm
		Vertical drilling unit mm ¢ 12~ ¢ 33.5
	Spindle Rotation Speed	r/min 180~560
	Quick change chuck	Morse Taper 3# ¢ 4#
	Feeding stroke	Left and right drilling unit 140mm
		Vertical drilling unit 325 mm
	Feeding Speed	20~300 mm/min
	Moving distance	All spindles along the length of the workspiece 520mm
		Left and right spindle along the
		up an down direction 35 ~ 470 mm
Cooling way	compressed air + atomized drilling fluid	
	Air Pressure	≥0.5MPa
Overall dimension	Length×width×height	About 4400×2400×3500 mm
Total weight		About 6000 KG

LIGHT GAUGE STEEL CONSTRUCTION SYSTEM



MODEL	APM 63	APM 90	APM 140
Standard C Section			
Standard U Section			
Design Software	Arktech 3D Design	Arktech 3D Design	Arktech 3D Design
Factory Software	Arkitech Panel	Arkitech Panel	Arkitech Panel
Profiles	1xC, 1xU	1xC, 1xU	1xC, 1xU
Profile Size	63 mm	90 mm	140 mm
	2,50 inch	3,5 inch	5,5 inch
Gauge/Material Thickness	0.75 to 1.6 mm	0.75 to 1.6 mm	0.75 to 1.6 mm
Length	3015 mm	3015 mm	3015 mm
	118,7 inch	118,7 inch	118,7 inch
Width	660 mm	660 mm	660 mm
	25,98 inch	25,98 inch	25,98 inch
Height	1380 mm	1380 mm	1380 mm
	54,33 inch	54,33 inch	54,33 inch
Aproxx. Weight	1500 kg	1500 kg	1500 kg
Power Supply	380 VAC	380 VAC	380 VAC
Operating Temperature	-10 to 60 °C	-10 to 60 °C	-10 to 60 °C
	14 to 140 °F	14 to 140 °F	14 to 140 °F
Hydraulic Cooling	YES	YES	YES
Printer	YES	YES	YES

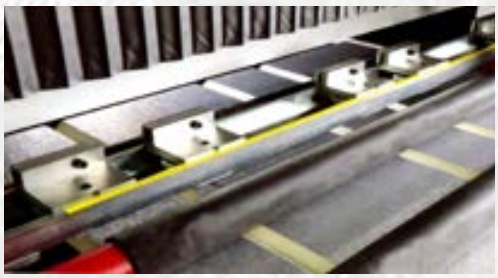
Plate Edge Bevelling Machine

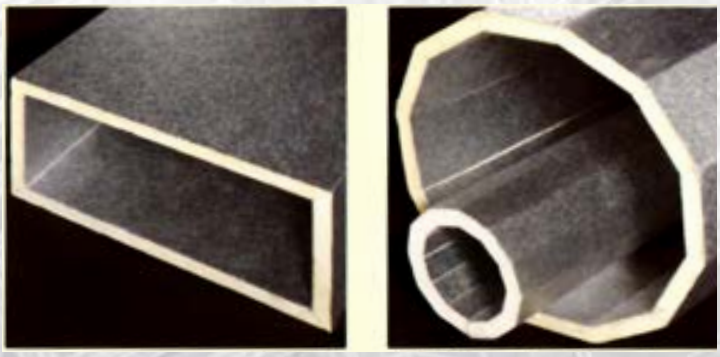


TECHNICAL INFORMATION

BEB-18	BEB-28	BEB Models
18	28	Max Cutting Width mm
15.6	24.2	Max Cutting Depth mm
6.3	8	Min Plate Thickness mm
38.1	50	Max Plate Thickness mm
4	3	Cutting Speed m/min
2	3	Motor Power Hp
153 kg	444 kg	Weight kg
660	850	Width mm
970	1450	Height mm
700	960	Lenght mm

ECO FAST

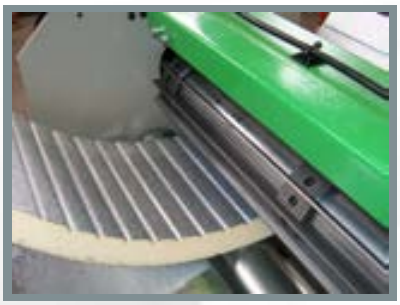




Techinical Details

Min panel thickness	10mm
Max panel thickness	30mm
Max aluminum depth	200 micron
Max panel width	1200 mm
Min panel length	600 mm
Max panel length	4000 mm
Max Cutting speed	30 mt/min
Weight of machine	1300 kg
Sizes	840 x 240 x h. 175 cm

AUTOMATC BENDER
FOR PRE-INSTALLED PANELS

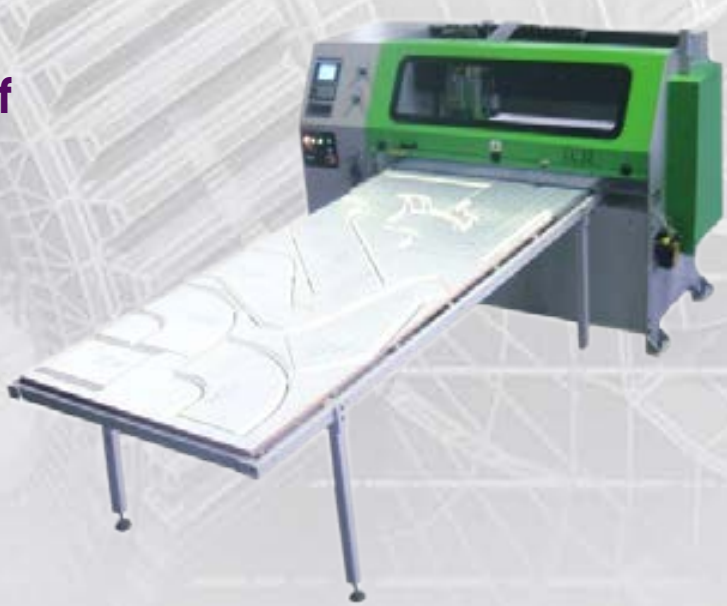


Techinical Details	
Min panel depth	20 mm
Max panel depth	30 mm
Min panel length	100 mm
Max panel length	2000 mm (1200 mm Bend 12)
Radius of curvature	100/1500 mm
Weight of machine	520 kg (228 kg Bend 12)
Sizes	270 x 155 x h. 145 cm

Crumbling Machine TP/TP2

Techinical Details	
Length	1600mm
Width	950mm
Heigth	1450mm
Kw	5,5 Tp - 11 Tp2
Volt	400 Hz 50
Weight of Machine	250 Kg. Tp / 265 Kg. Tp2
Lwa Max	104db
Aluminium Thick	80 m (200 m Tp2)

Milling Machine for the cutting of pre-insulated panels



Techinical Details	
Panel Depth	20-30mm
Max panel width	1200 mm
Min panel length	500 mm
Max panel length	4000 mm
Weight of machine	190 kg
Sizes	175 x 50 x h. 110cm

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