

ERBEND

SHEET METAL FOLDING AND CUTTING SOLUTIONS



ABOUT US

ERBEND is an industrial company focused on the production of sheet metal folding machines and guillotine shears in Bursa, the centre of sheet metal processing machinery. As the first company in Turkey and in the region to produce CNC sheet metal folding machines and panel benders, it is in a leading position in its local sector.

Combining more than 30 years of sheet metal processing machinery production experience with its innovative perspective and dynamic team, Erbend has an annual production capacity of 200 machines. Erbend exports 90% of its production to nearly 50 countries, especially to USA, Canada and most of the European countries and has a strong position in the global market with its quality and innovation. Thanks to its tailor-made engineering solutions and high production. Standards, increases its power in the sector as one of the five largest manufacturers in the world day by day.



PANEL BENDER		PBC _____ 4
DUAL UP & DOWN FOLDERS		D-MFE _____ 7 D-MFA COMBI _____ 8 D-SFA _____ 9
FABRICATOR SERIES FOLDERS		MFE _____ 11 MFA COMBI _____ 12 SFA _____ 13
ARCHITECT SERIES FOLDERS		MFD COMBI _____ 15 MFB _____ 16 MFC _____ 17 MFG _____ 18 UFA _____ 19
MOTORIZED SHEARS		EMS - LIGHT _____ 20 EMS - HEAVY _____ 21
CONFIGURABLE ACCESSORIES		ERFOLD LBL / 2D _____ 22 ERFOLD 3D _____ 23 TABLE TYPES _____ 24 TOOL TYPES _____ 25
HANDLING AUTOMATIONS		SHEET / PART LOADING & UNLOADING SYSTEMS _____ 26



PBC

PANEL BENDER

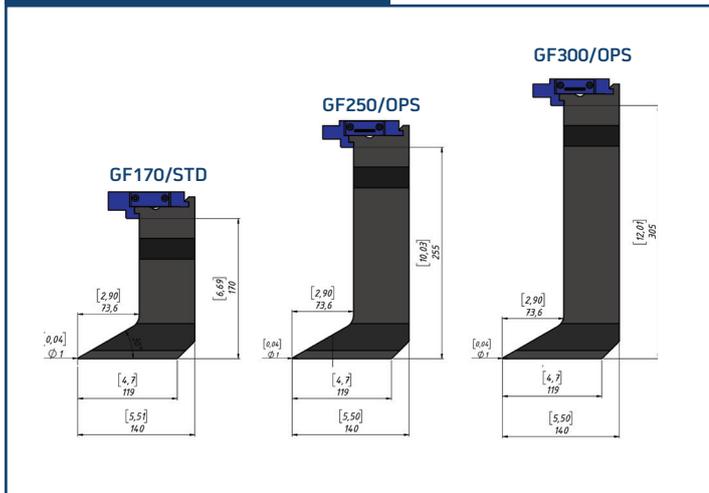


MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
PBC 1515	1550	1.5	1	2	5500 x 2400 x 2400 (h)	9400
PBC 1520	1550	2	1.5	3	5500 x 2400 x 2400 (h)	9500
PBC 2015	2050	1.5	1	2	5500 x 2900 x 2400 (h)	11400
PBC 2020	2050	2	1.5	3	5500 x 2900 x 2400 (h)	11500
PBC 2515	2550	1.5	1	2	5500 x 3400 x 2400 (h)	13400
PBC 2520	2550	2	1.5	3	5500 x 3400 x 2400 (h)	13500
PBC 3015	3050	1.5	1	2	5500 x 3900 x 2400 (h)	15400
PBC 3020	3050	2	1.5	3	5500 x 3900 x 2400 (h)	15500

BASIC SPECS

- Machined, welded and stress annealed rigid frame
- Full servo cnc driven 14 axis
- Graphical controller with STEP part data import and 3D simulation functions
- Manuel easy tool change with pneumatic easy clamping system for blankholder tools
- Manual crowning system on both up and down bending tool
- Full brush or stainless surface sheet table upon choice
- Industry 4.0 automation system suitable for ERP, ROBOT, CARTESIAN, LINE integrations
- Ideal for serial batch production

BLANKHOLDER TOOL OPTIONS



LIGHT BARRIERS PROTECTION AND COMPONENTS SUITABLE FOR CE NORMS



PBC

PNEUMATIC QUICK CLAMPING SYSTEM



ERFOLD PB 3D GRAPHICAL SOFTWARE



MECHANICAL CROWNING SYSTEM

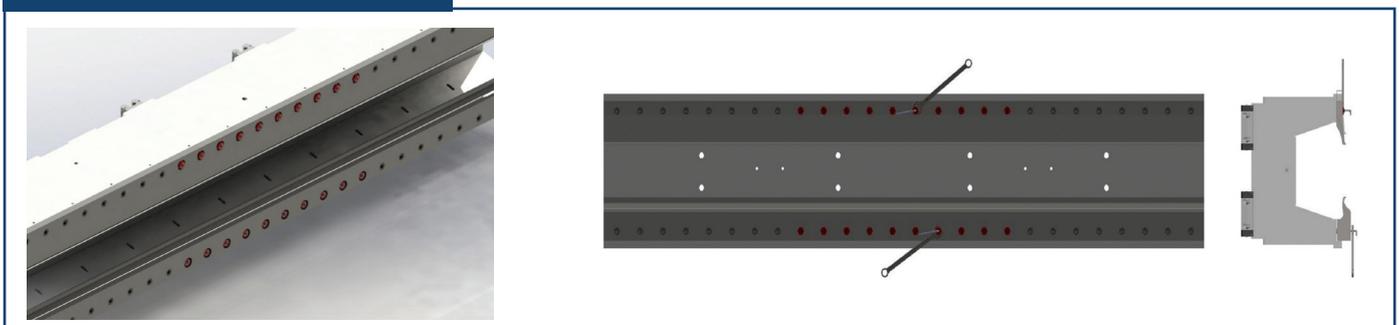
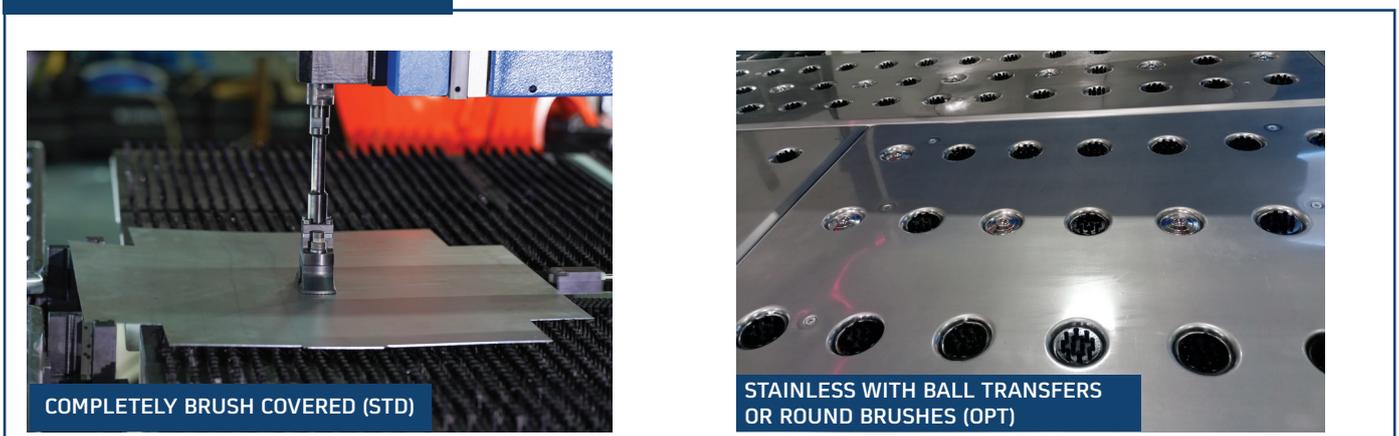


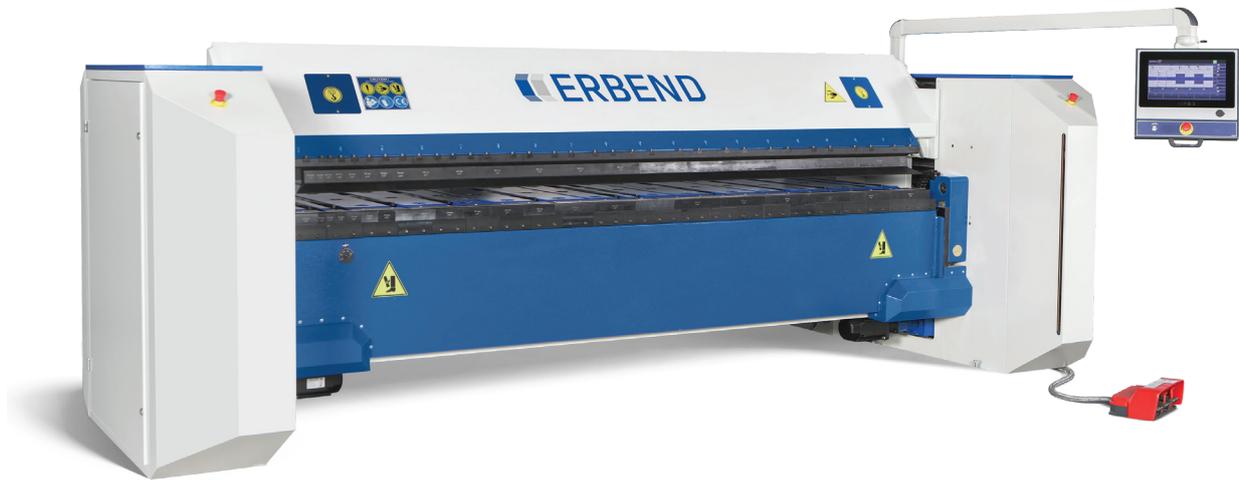
TABLE TYPES (UPON CHOICE)



DUAL SERIES
UP & DOWN
FOLDERS



DUAL MFE UP & DOWN FOLDER



MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
DMFE 2545	2550	4.5	3.5	5.5	4600 x 2300 x 2000 (h)	5900
DMFE 3240	3200	4	3	5	4600 x 2300 x 2000 (h)	6800
DMFE 4230	4200	3	2	4	5600 x 2300 x 2000 (h)	8100

STANDARD FEATURES

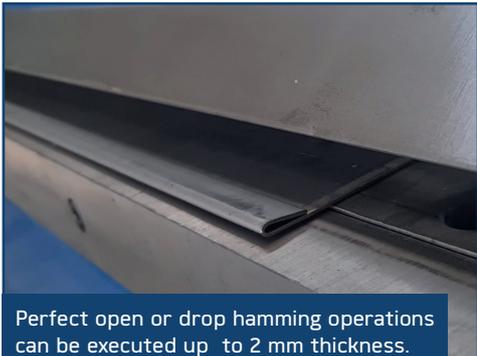
- 45° geometry clamping beam with 200 mm opening
- Servo backgauge with frontal squaring and backgauge sectors
- 1500 mm rectangular sheet support table with ball transfers
- Erfold 3D up&down cnc graphical software
- 100 mm high segmented goat foot tool set
- Pneumatic quick clamping system
- Manual crowning system

OPTIONAL FEATURES

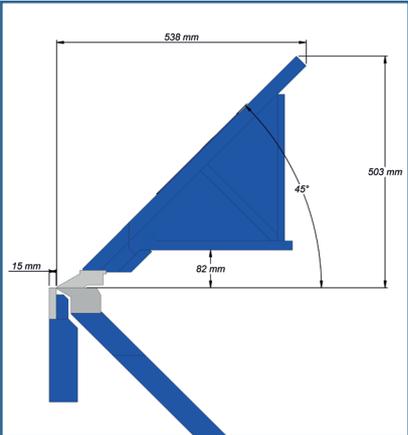
- Motorized crowning system
- Suction cup system
- Longer backgauge with T or U shape table
- Rotating Vacuum Handling System (RVHS)



4 mm folding capacity on full length.



Perfect open or drop hammering operations can be executed up to 2 mm thickness.



DUAL MFA COMBI

UP & DOWN

FOLDER



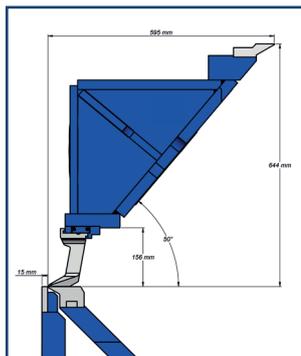
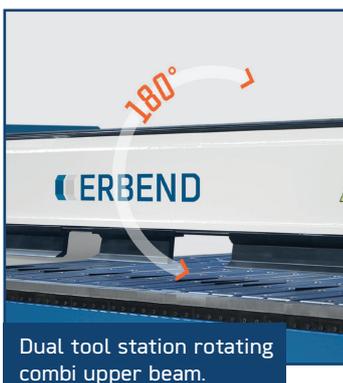
MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
DMFA 2535	2550	3.5	2.5	5	4600 x 2300 x 2350 (h)	7600
DMFA 3230	3200	3	2	4	5100 x 2300 x 2350 (h)	8550
DMFA 4225	4200	2.5	1.5	3.5	6100 x 2300 x 2350 (h)	9850

STANDARD FEATURES

- Combi clamping beam with 2 tool stations, 250 mm opening
- Servo backgauge with frontal squaring and backgauge sectors
- 1500 mm rectangular sheet support table with ball transfers
- Erfold Advanced 3D up&down cnc graphical software
- 125 mm high segmented goat foot tool set + sharpnose tool
- Pneumatic quick clamping system
- Manual crowning system

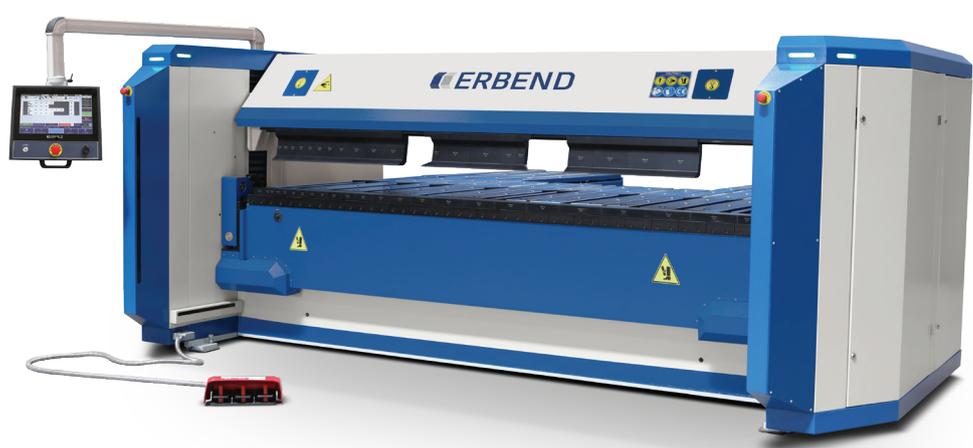
OPTIONAL FEATURES

- Motorized crowning system
- Suction cup system
- Longer backgauge with T or U shape table
- Rotating Vacuum Handling System (RVHS)



45° geometry on both sides of the upper beam gives you the advantage of being able to fold complex parts.

DUAL SFA UP & DOWN FOLDER



MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
DSFA 2535	2550	3.5	2.5	5	4600 x 2300 x 2350 (h)	7600
DSFA 3230	3200	3	2	4	5100 x 2300 x 2350 (h)	8550
DSFA 4230	4200	3	2	4	6100 x 2300 x 2350 (h)	9950

STANDARD FEATURES

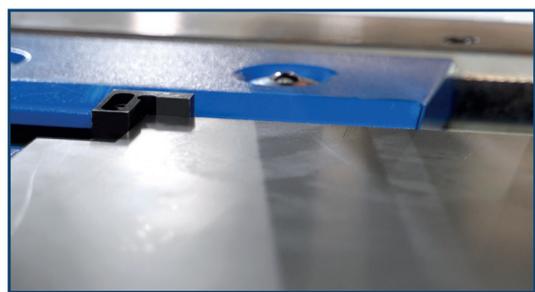
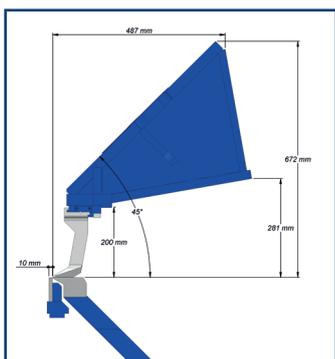
- 45° geometry clamping beam with 400 mm opening
- Servo backgauge with frontal squaring and backgauge sectors
- 1500 mm rectangular sheet support table with ball transfers
- Erfold Advanced 3D up&down cnc graphical software
- 200 mm high segmented goat foot tool set
- Pneumatic quick clamping system
- Manual crowning system

OPTIONAL FEATURES

- Motorized crowning system
- Suction cup system
- Longer backgauge with T or U shape table
- 250 / 300 mm high goat foot tools
- Rotating Vacuum Handling System (RVHS)



Bending up to 300 mm deep boxes.



Front Gauging System

FABRICATOR SERIES

Innovative Solutions for **Industrial Applications**



MFE FOLDER



MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
MFE 2050	2050	5	3.5	6	3600 x 2300 x 2000 (h)	4900
MFE 2545	2550	4.5	3	5.5	4100 x 2300 x 2000 (h)	5400
MFE 3240	3200	4	3	5	4700 x 2300 x 2000 (h)	6700
MFE 4230	4200	3	2	4	5700 x 2300 x 2000 (h)	8050

STANDARD FEATURES

- 45° geometry clamping beam with 200 mm opening
- Servo backgauge with rectangular table and solid fingers
- 1000 mm rectangular sheet support table with ball transfers
- Erfold Advanced Cnc Line By Line software

OPTIONAL FEATURES

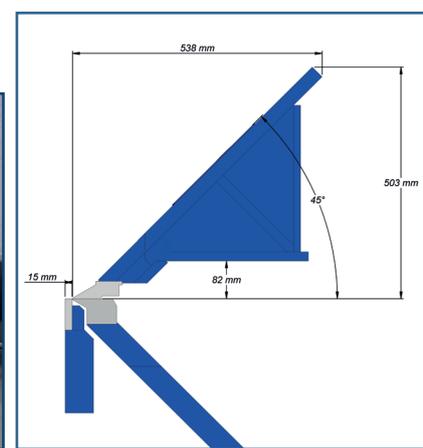
- Manual or Motorized crowning system
- Suction cup system
- Longer backgauge with T or U shape table
- Erfold Advanced 2D/3D cnc graphical software
- 100 mm high segmented goat foot tool set
- Pneumatic quick clamping system



4 mm folding capacity on full length.



Perfect open or drop hammering operations can be executed up to 2 mm thickness.



MFA COMBI FOLDER



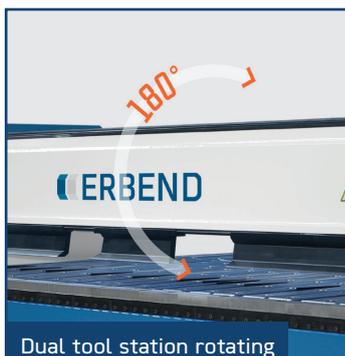
MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
MFA 2040	2050	4	3	5	3600 x 2300 x 2300 (h)	6600
MFA 2535	2550	3.5	2.5	4.5	4100 x 2300 x 2300 (h)	7100
MFA 3230	3200	3	2	4	4700 x 2300 x 2300 (h)	8050
MFA 4225	4200	2.5	1.5	3.5	5700 x 2300 x 2300 (h)	9450

STANDARD FEATURES

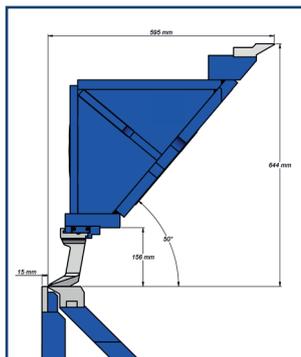
- Combi clamping beam with 2 tool stations and 220 mm opening
- Servo backgauge with rectangular table and solid fingers
- 1000 mm rectangular sheet support table with ball transfers
- Erfold Advanced Cnc Line By Line software
- 110 mm high segmented goat foot tool set on station 1
- Single piece 20° sharpnose tool on station 2

OPTIONAL FEATURES

- Manual or Motorized crowning system
- Suction cup system
- Longer backgauge with T or U shape table
- Erfold Advanced 2D/3D cnc graphical software
- Pneumatic quick clamping system



Dual tool station rotating combi upper beam.



45° geometry on both sides of the upper beam gives you the advantage of being able to fold complex parts.

SFA FOLDER



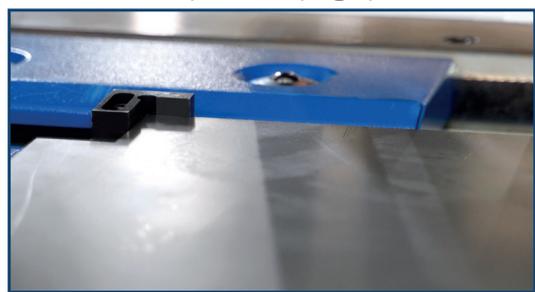
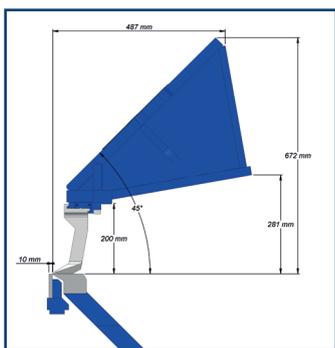
MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
SFA 2040	2050	4	3	5	3600 x 2300 x 2400 (h)	6800
SFA 2535	2550	3.5	2.5	4.5	4100 x 2300 x 2400 (h)	7300
SFA 3230	3200	3	2	4	4700 x 2300 x 2400 (h)	8250
SFA 4225	4200	2.5	1.5	3.5	5700 x 2300 x 2400 (h)	9650
SFA 5020	5050	2	1.2	3	6700 x 2300 x 2400 (h)	10.650

STANDARD FEATURES

- 45° geometry clamping beam with 350 mm opening
- Servo backgauge with rectangular table and solid fingers
- 1500 mm rectangular sheet support table with ball transfers
- Erfold Advanced Cnc Line By Line software
- 170 mm high segmented goat foot tool set

OPTIONAL FEATURES

- Manual or Motorized crowning system
- Suction cup system
- Longer backgauge with T or U shape table
- Erfold Advanced 2D/3D cnc graphical software
- 200/250/300 mm high segmented goat foot tool set
- Pneumatic quick clamping system



Front Gauging System

ARCHITECT SERIES

Precision & Aesthetics in **Architecture**



MFD COMBI FOLDER



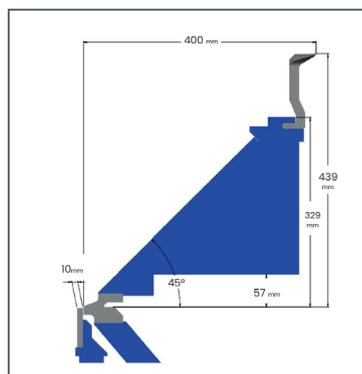
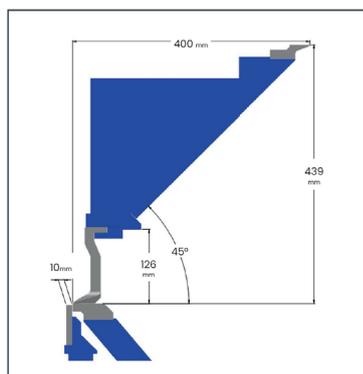
MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
MFD 2525	2550	2.5	1.5	3.5	3850 x 2200 x 1900 (h)	3900
MFD 3220	3200	2	1.2	3	4500 x 2200 x 1900 (h)	4600
MFD 4215	4200	1.5	1	2	5500 x 2200 x 1900 (h)	5500

STANDARD FEATURES

- Combi clamping beam with 2 tool stations and 220 mm opening
- Servo backgauge with rectangular table and solid fingers
- 1000 mm rectangular sheet support table with ball transfers
- Erfold Advanced Cnc Line By Line software
- 110 mm high segmented goat foot tool set on station 1
- Single piece 20° sharpnose tool on station 2

OPTIONAL FEATURES

- Manual or Motorized crowning system
- Suction cup system
- Longer backgauge with T or U shape table
- Erfold Advanced 2D/3D cnc graphical software
- 200/250/300 mm high segmented goat foot tool set
- Pneumatic quick clamping system



45° geometry on both sides of the upper beam gives you the advantage of being able to fold complex parts.

MFB

FOLDER



MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
MFB 2030	2050	3	2	4	3350 x 2200 x 1900 (h)	3200
MFB 2525	2550	2.5	1.5	3.5	3850 x 2200 x 1900 (h)	3900
MFB 3220	3200	2	1.2	3	4500 x 2200 x 1900 (h)	4600
MFB 4215	4200	1.5	1	2	5500 x 2200 x 1900 (h)	5500

STANDARD FEATURES

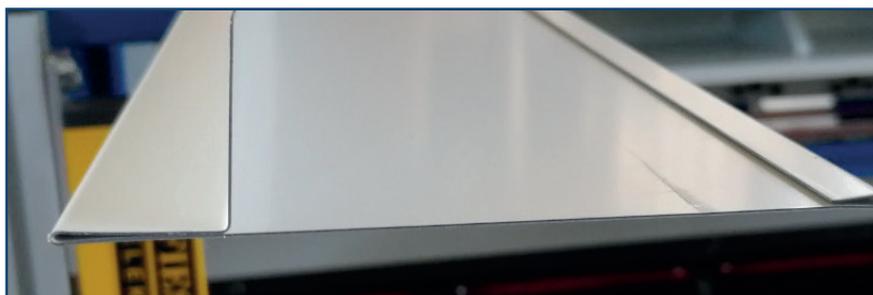
- 45° clamping beam with 220 mm opening
- Servo backgauge with solid fingers
- 1000 mm rectangular sheet support table with ball transfers
- Erfold Advanced Cnc Line By Line software
- Single piece 20° sharpnose tool

OPTIONAL FEATURES

- Manual or Motorized crowning system
- Omega geometry on lower and folding beam
- Longer backgauge with T or U shape table
- Erfold Advanced 2D/3D cnc graphical software
- Pneumatic quick clamping system
- Motorized conical backgauge system (1500 mm)
- 90/110 mm high segmented goat foot tool set
- Suction cups system



Conical motorized backgauge.



Ideal for side hemming applications up to 0.7 mm

MFC FOLDER



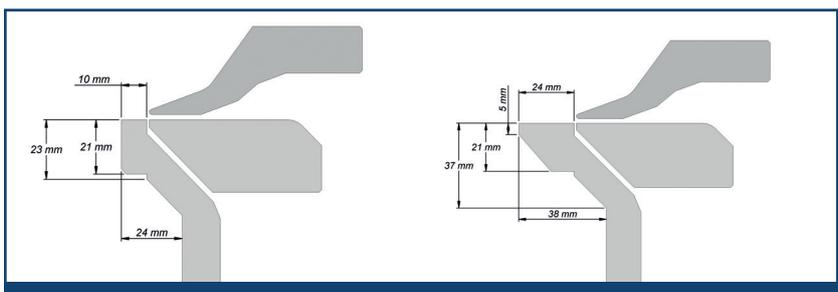
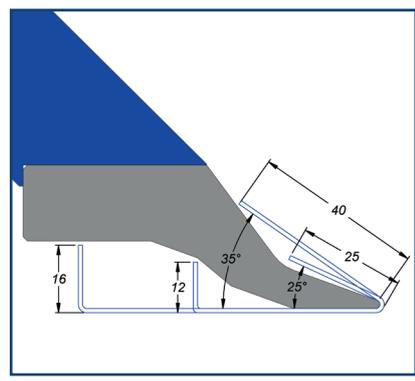
MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
MFC 2025	2050	2.5	1.5	3	3300 x 2200 x 1850 (h)	2400
MFC 2520	2550	2	1.2	2.5	3800 x 2200 x 1850 (h)	2900
MFC 3215	3200	1.5	1	2	4450 x 2200 x 1850 (h)	3300

STANDARD FEATURES

- 45° clamping beam with 120 mm opening
- Servo backgauge with solid fingers
- 750 mm rectangular sheet support table with ball transfers
- Erfold Advanced Cnc Line By Line software
- Single piece 20° sharpnose tool

OPTIONAL FEATURES

- Manual or Motorized crowning system
- Omega geometry on lower and folding beam
- Longer backgauge with T or U shape table
- Erfold Advanced 2D/3D cnc graphical software
- Pneumatic quick clamping system
- Motorized conical backgauge system (1500 mm)
- 60/90 mm high segmented goat foot tool
- Suction cups system



Omega geometry of lower and folding beam lets you produce omega/trapezoidal profiles.

MFG FOLDER



MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
MFG 2515	2550	1.5	1	2	3800 x 2100 x 1650 (h)	2500
MFG 3210	3200	1	0.6	1.5	4400 x 2100 x 1650 (h)	2900

STANDARD FEATURES

- 45° clamping beam with 120 mm opening
- Servo backgauge with solid fingers
- 750 mm rectangular sheet support table with ball transfers
- Erfold Advanced Cnc Line By Line software
- Single piece 20° sharpnose tool

OPTIONAL FEATURES

- 1000 mm backgauge extension
- Erfold Advanced 2D cnc graphical software



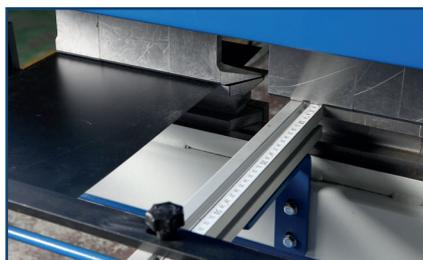
UFA MANUAL FOLDER



MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
UFA 1015	1050	1.5	1	2	1300 x 750 x 1450 (h)	290
UFA 1212	1250	1.2	0.8	1.5	1500 x 750 x 1450 (h)	315

STANDARD FEATURES

- Manual driven upper beam with 200 mm opening
- Manual driven folding beam up to 150° with angle stopper
- 100 mm high segmented goat foot tool with quick mechanical clamping system
- Fully segmented lower tool and folding tool
- Assistant pedal for clamping
- 500 mm manual backgauge with ruler
- Tool,accessory cabinet holder



EMS LIGHT SHEAR



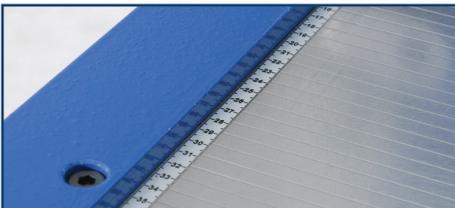
MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
EMS 2525	2550	2.5	1.5	3.5	3150 x 1700 x 1300 (h)	2200
EMS 3220	3200	2	1.2	3	3700 x 1700 x 1300 (h)	3100
EMS 4215	4200	1.5	1	2	4700 x 1700 x 1300 (h)	3350

STANDARD FEATURES

- 750 mm servo NC backgauge system
- Pneumatic sheet support as front drop
- Blank sheet wagon with wheels
- Ercut NC controller software
- Rear light barriers and full body protection covers
- Retractable front sheet support
- No need for blade gap adjustment

OPTIONAL FEATURES

- 1000 mm servo NC backgauge system
- Rear or front drop control in the same cycle
- Longer side gauge or angular cutting units



EMS HEAVY SHEAR



MODEL	BENDING LENGTH (mm)	MS (mm)	SS (mm)	ALU (mm)	STD. DIMENSIONS (mm)	WEIGHT (kg)
EMS 2540	2550	4	3	6	3200 x 1700 x 1300 (h)	2400
EMS 3240	3200	4	3	6	3700 x 1700 x 1300 (h)	3200

STANDARD FEATURES

- 750 mm servo NC backgauge system
- Pneumatic sheet support as front drop
- Blank sheet wagon with wheels
- Ercut NC controller software
- Rear light barriers and full body protection covers
- Fixed front sheet support
- Blade gap adjustment from the lower table

OPTIONAL FEATURES

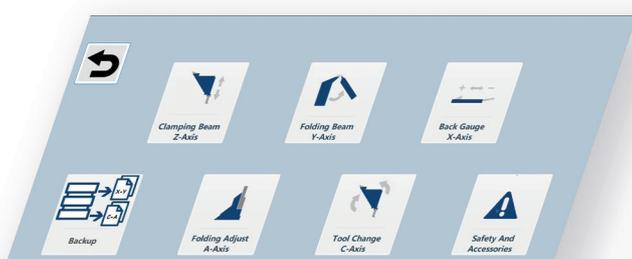
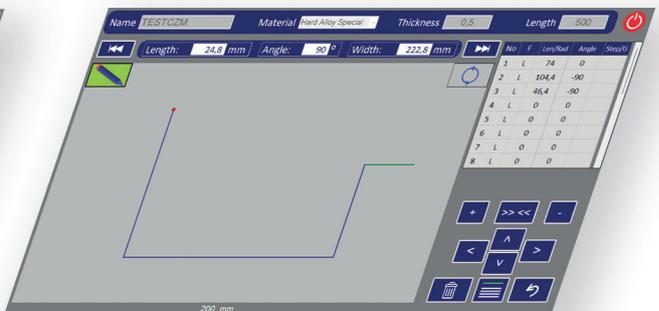
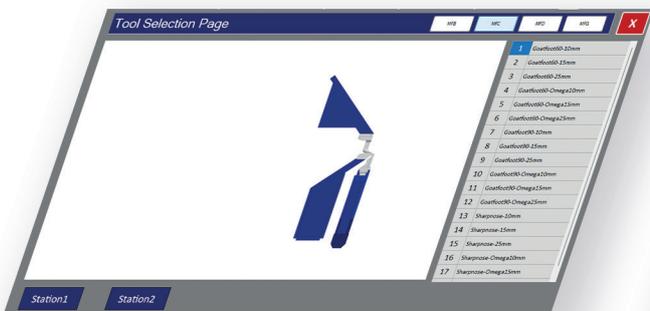
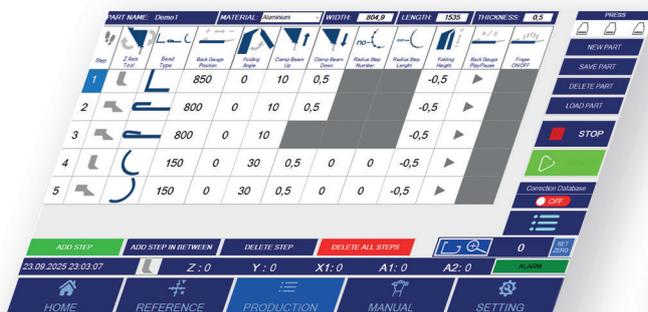
- 1000 mm servo NC backgauge system
- Rear or front drop control in the same cycle
- Longer side gauge or angular cutting units



SOFTWARE

ERFOLD LBL / 2D

- Ideal for architect series folders and 2 sided parts
- Conventional line by line numerical or easy programming by 2D sketch drawing of the part
- Material database for auto angle corrections
- Detailed programming and machine parameters
- Offline pc (office) version available
- LBL software can be upgraded to 2D remotely

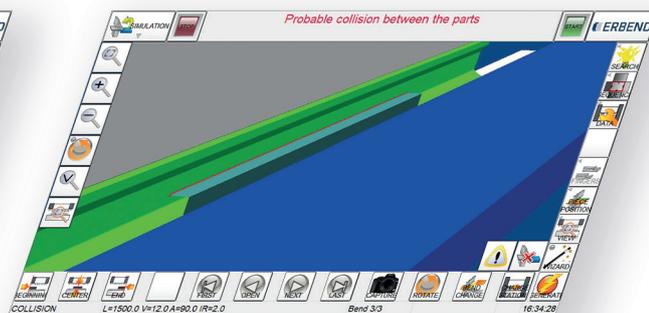
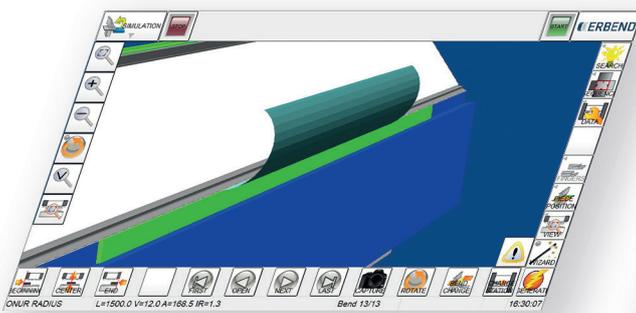
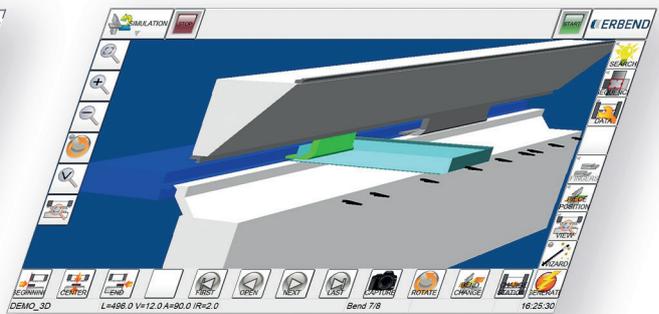
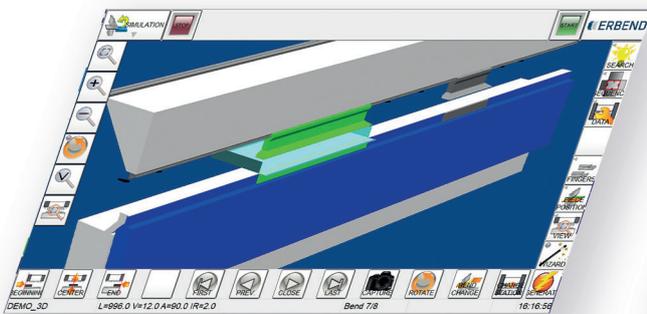
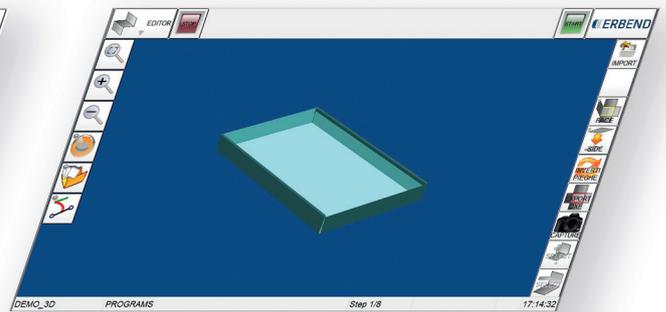
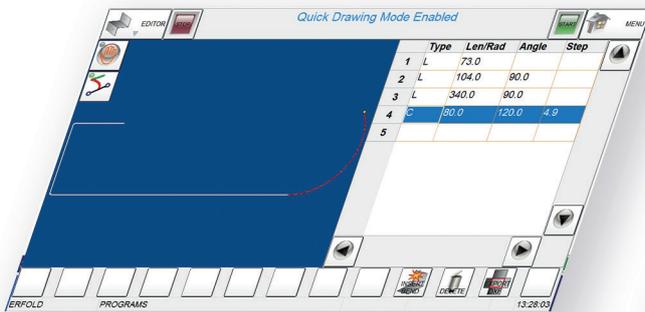


SOFTWARE

ERFOLD 3D

GRAPHICAL

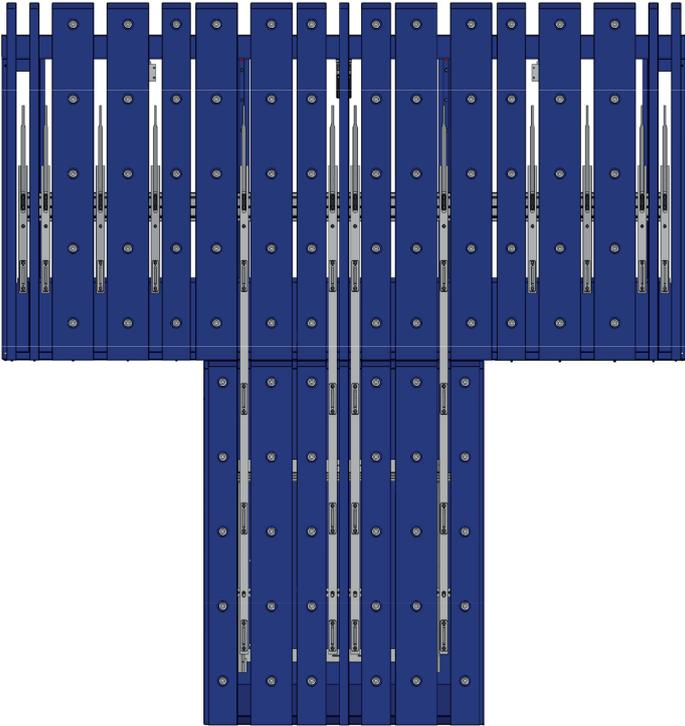
- Ideal for fabricator series folders or complicated parts
- Programming can be made by LBL, 2D drawing, 3D drawing or STEP data import
- Material database for auto angle corrections
- Detailed programming and machine parameters
- Offline pc (office) version available



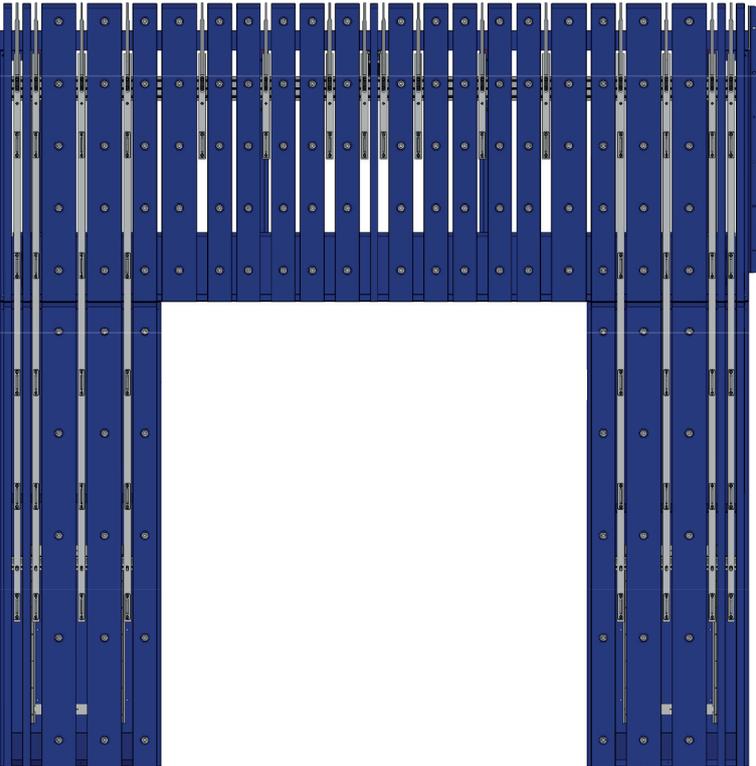
BACKGAUGE TABLE TYPES

(Totally configurable upon request)

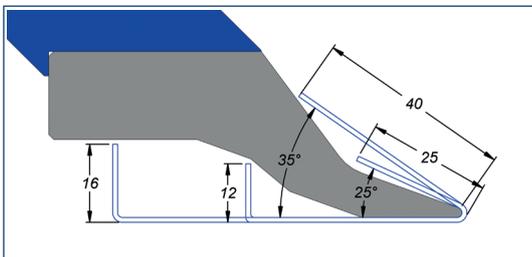
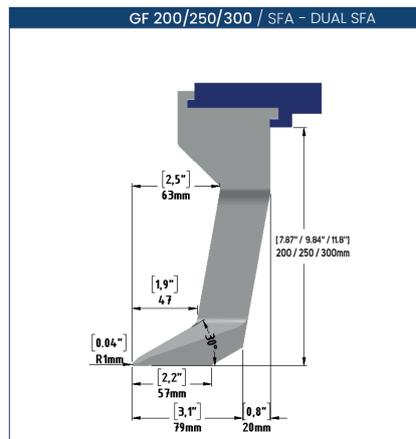
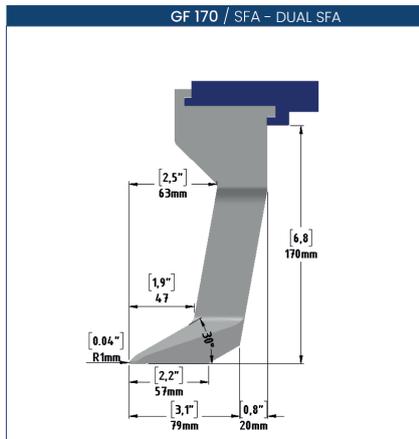
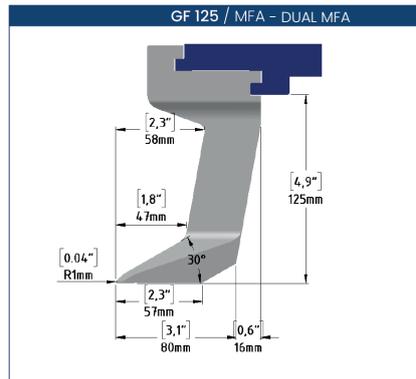
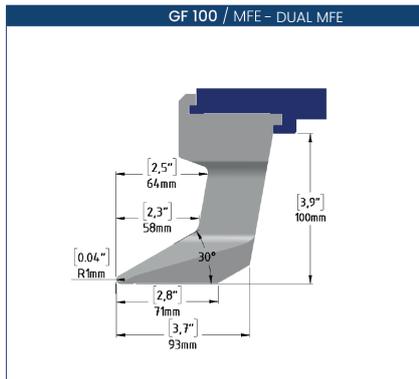
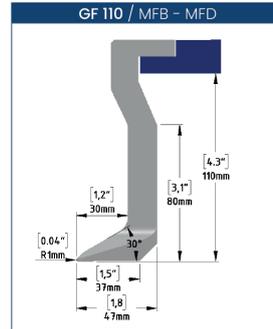
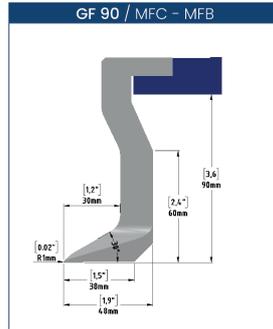
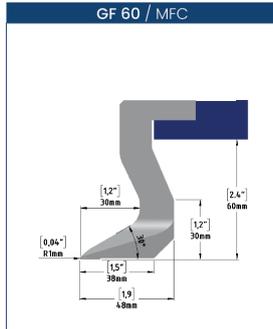
T SHAPE TABLE



U SHAPE TABLE

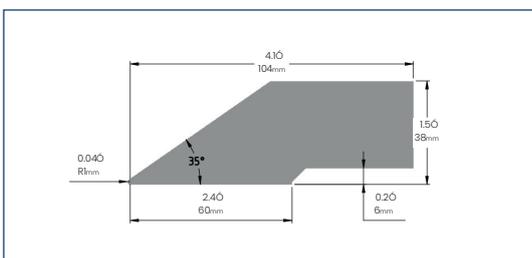


TOOL TYPES



Nose Radius Options from R1.5 up to R10
R1.5 - R2 - R3 - R5 - R10 mm

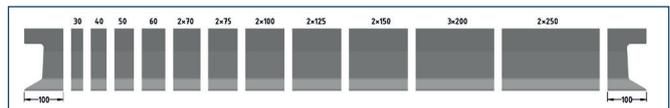
MFC - MFC - MFB - MFD



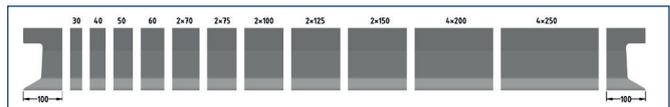
Nose Radius Options from R1.5 up to R10
R1.5 - R2 - R3 - R5 - R10 mm

MFE - MFA - DUAL MFE - DUAL MFA

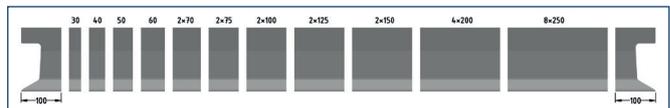
2500mm / 8.17ft



3200mm / 10.5ft



4200mm / 13.8ft



HANDLING **AUTOMATION** SYSTEMS

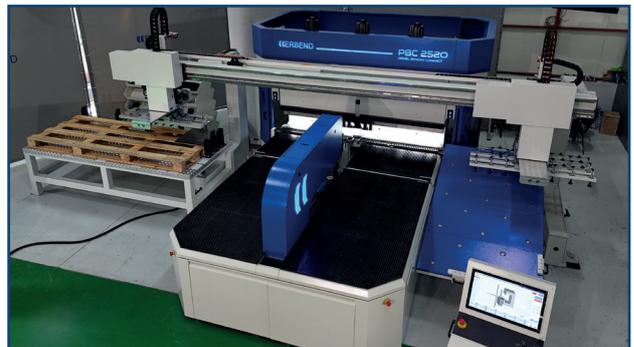
6/7 Axis Robot Sheet/Part Loading & Unloading System

- Ideal for small/medium size parts with multiple types and multiple loading/unloading stations



Cartesian Type Sheet/Part Loading & Unloading System

- Ideal for medium/large size parts with single type, serial batch production.





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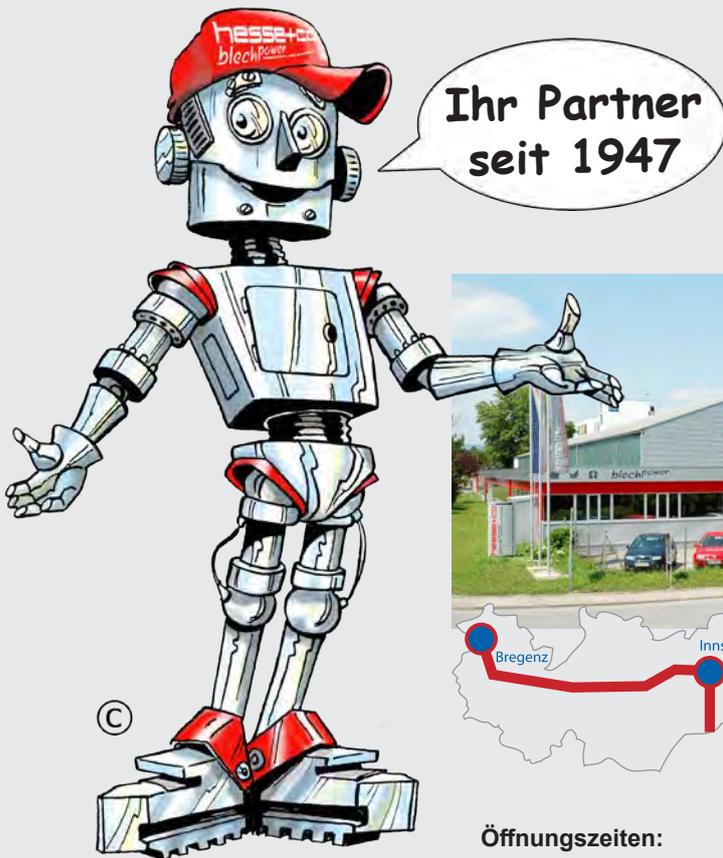
Die Firma **Hesse + Co** wurde 1947 als Hersteller von Blechbearbeitungsmaschinen gegründet. Seit 1980 sind wir auf den Handel mit neuen sowie gebrauchten Blechbearbeitungs- und Werkzeugmaschinen spezialisiert.

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