



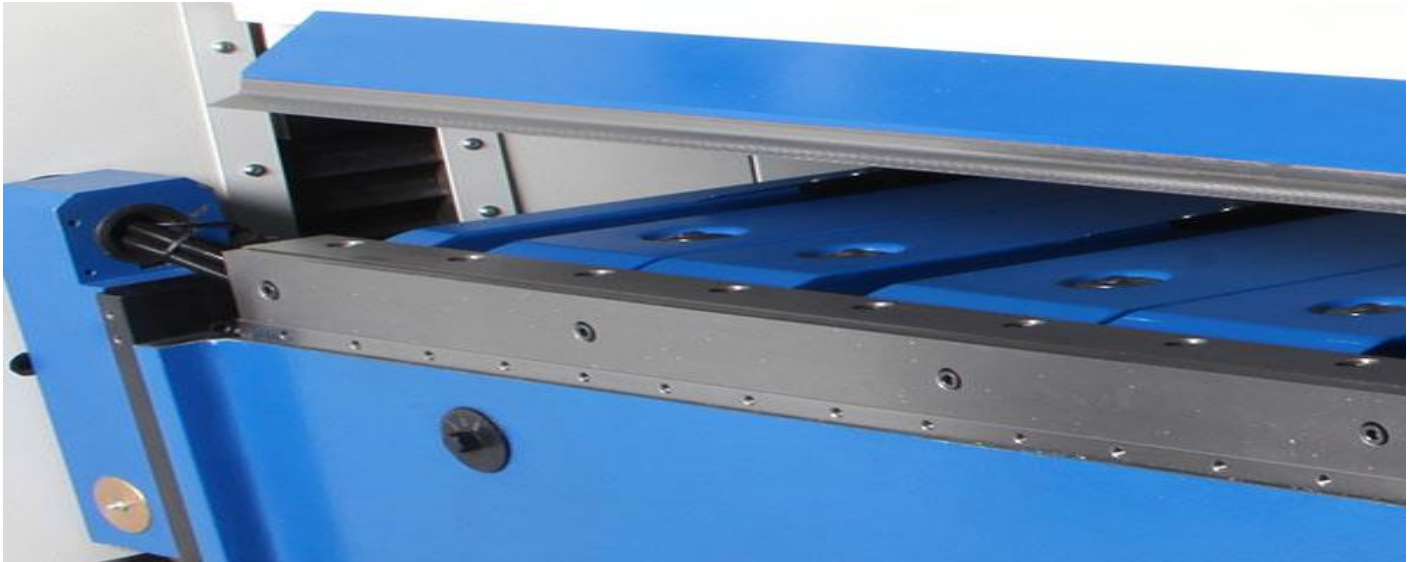
MFC 3215 CNC MOTORIZED FOLDER

MODEL	MAX SHEET LENGTH	MILD STEEL	GALVANIZED/ STAINLESS	ALUMINIUM	MACHINE DIMENSIONS (W / L / H)	WEIGHT
MFC 3215	3200 mm (10.5 ft)	1.5 mm (16ga)	1 mm (20ga)	2 mm (14ga)	2200 x 4450 x 1900 mm (7.2 x 14.6 x 6.2 ft)	3200 kg (7054 lbs)

STANDARD TECH SPECS FOR MFC 3215	
Max foldable sheet length	3200 mm
Max foldable sheet thickness on mild steel (400 N/mm ²)	1,5 mm
Combi Upper Beam (Z axis)	
Opening height (without tools)	120 mm
Motor Power (Sew Eurodrive AC)	1,1 kW
Transmission system	Eccentric
Clamping speed	60 mm/sec
Combi beam rotation (180°) time	
Folding Beam (Y axis)	
Folding angle	0 - 150°
Motor Power (Sew Eurodrive AC)	2,2 kW
Folding Speed	85°/sec
Folding Beam Height Adjustment (A1-A2 axis)	
Adjustment height	0 / -35 mm
Control	Manual
Back gauge system (X axis)	
Movement speed	250 mm/sec
Motor Power (Servo)	700 W
Positioning / repeatability accuracy	+/- 0,01 mm

1-) UPPER BEAM

- Clamping beam with 120 mm opening height and 45° beam geometry
- With optional 90 mm goat foot tools, you can bend up to 90 mm deep box/pan parts
- Thanks to its brass and oil-free friction plates on the linear guides, you can work for years without any lubrication or maintenance
- Also thanks to the protective bellows, no dirt or dust is allowed in the swivel parts of this axis



2-) 750 MM SERVO BACK GAUGE WITH RECTANGULAR SHEET SUPPORT TABLE

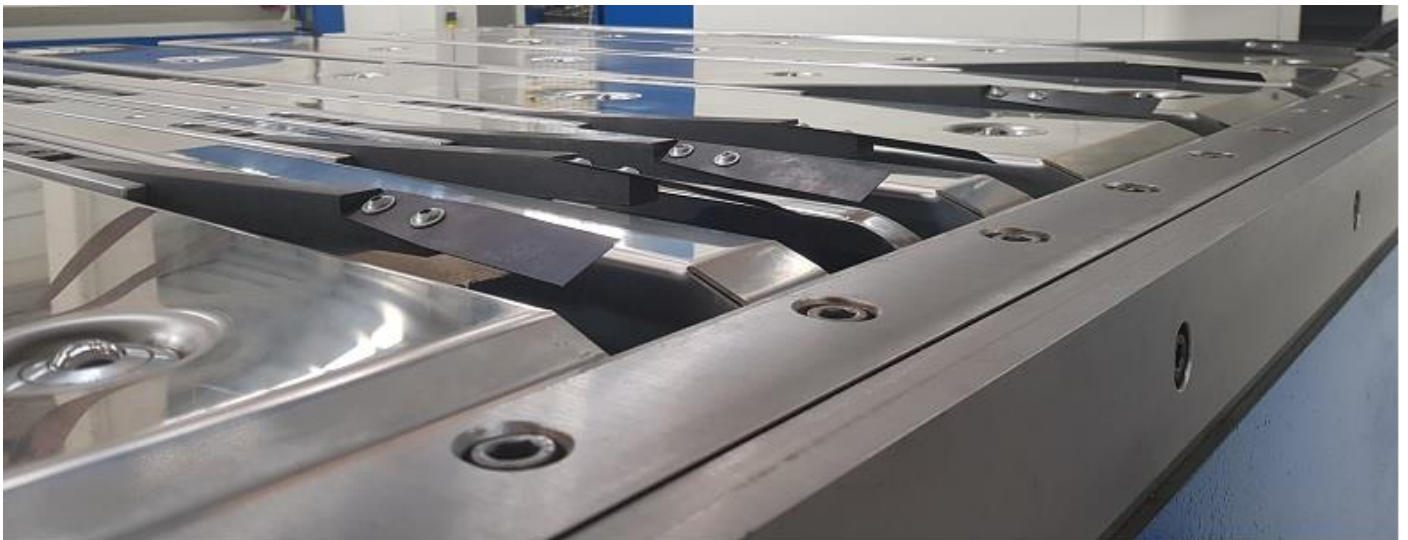
- 750 mm servo driven back gauge system with feather grooves only
- 750 mm long rectangular sheet support table with stainless ball-casters
- Sliders can be pulled back to create space for down flanges at the back of the bottom tool





3-) SOLID LOWER BEAM (WITHOUT CHANNELS) AND FEATHER GROOVES

- To avoid unwanted scratches and cracks on the painted sheets caused by lower beam channels, we can build the lower beam without channel and also with special design gauging arms produced by flexible feather steel (0,5 mm thick) so that the arms can approach until the end of the lower beam to the edge and can be clamped between the upper beam tool and lower beam tool together with the sheet.



4-) BERNSTEIN FOOT PEDAL WITH 3 SWITCHES

Best pedal in the market. 3 switch foot pedal with panic button function on two steps.

(Sudden step on left pedal = clamping beam goes up immediately)

(Sudden step on middle pedal = folding beam and all axis stops immediately)



5-) VERTICAL FRONT LIGHT BARRIERS

For operator safety, front light barriers are located at the left and right front side of the machine, managed by safety plc and prevent unwanted interventions to avoid accidents. You can completely remove the light barriers from your configuration if you define it while placing your order.



6-) ERFOLD BASIC CNC LINE BY LINE CONTROLLER SOFTWARE

- 15.6 " touchscreen PC based controller on fixed arm
- Line by line part programming by entering numerical values of the axes
- Creating,saving,loading parts with different names,materials and sheet thicknesses
- Open or drop hemming function
- Multi radius bending function
- 16 gb memory for unlimited receipt storage
- Manual axis controls, alarm and error indications, machine detailed parameters.



Press Z pedal to move backgauge clamps UP

Name	Width	Thickness	Material
FOLD-01	1000.0	2.00	STEEL

NUMBER OF STEP	BEND TYPE	C AXIS STATION	BACKGAUGE POSITION	FOLDING ANGLE	CLAMP BEAM UP	CLAMP BEAM DOWN	RADIUS STEP NUMBER
1	L	A	GOAT FOOT	490.00	30.0	100.00	2.000
2	R-D	GOAT FOOT	249.15	6.0	3.00	2.000	
3	R-M	GOAT FOOT	-20.96	6.0	3.00	2.000	9
4	L	A	GOAT FOOT				

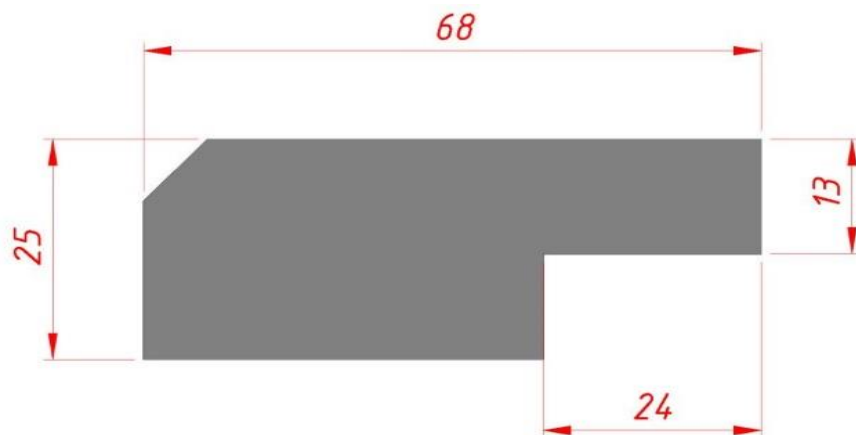
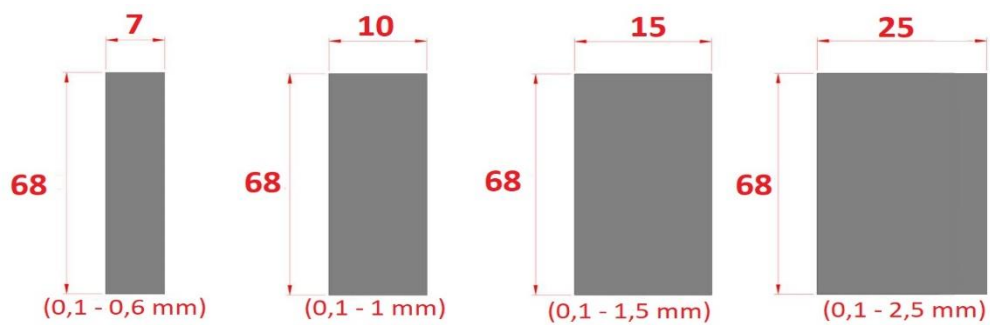
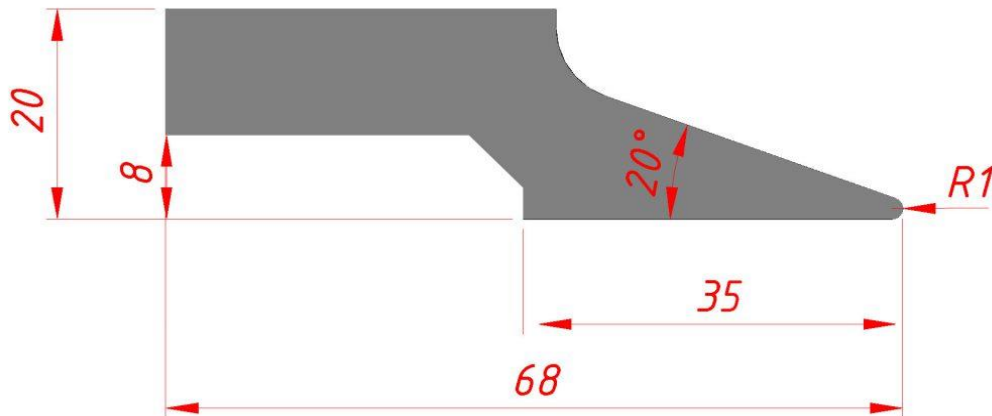
Z 164.000 X 249.15 A -2.0 Y1 0.0 C GOAT FOO

HOME PRESET VALUES PRODUCTION SETUP MENU

FOLD-01 | Ang = 174.0 F = 27 t | Step 2/3 | 15:00:45

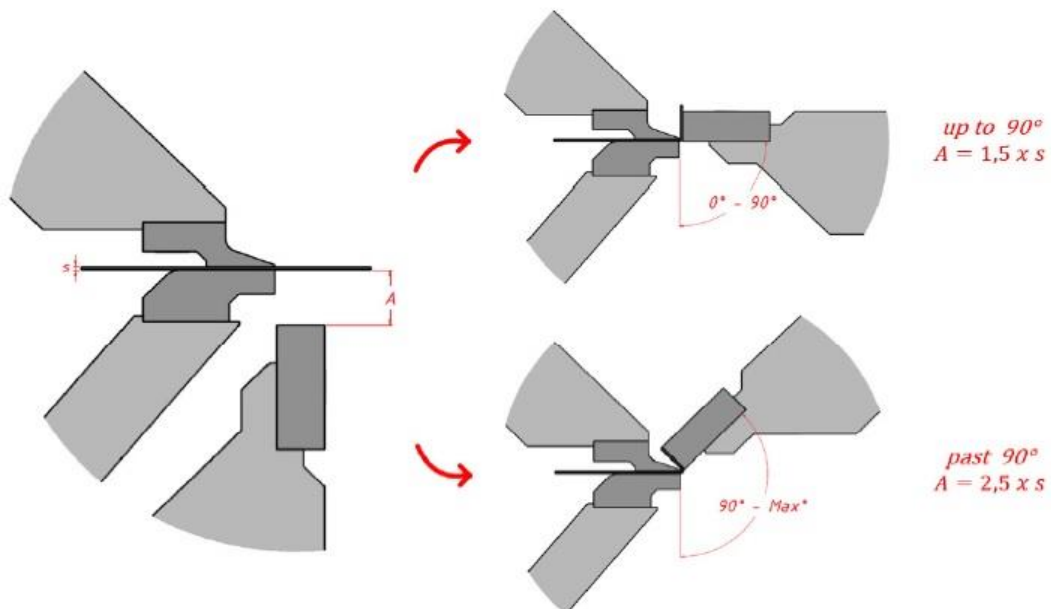
7-) STANDARD TOOLS

- Clamping tool: Sharpnose tool, grinded tool steel, single piece , 20° nose angle
- Folding beam tools – Grinded tool steel, 7/10/15 + 25 mm widths as 2 sets (your choice)
- Bottom beam tool, sinlge piece and fixed, grinded tool steel, fix dimensions



8-) MANUAL FOLDING BEAM ADJUSTMENT

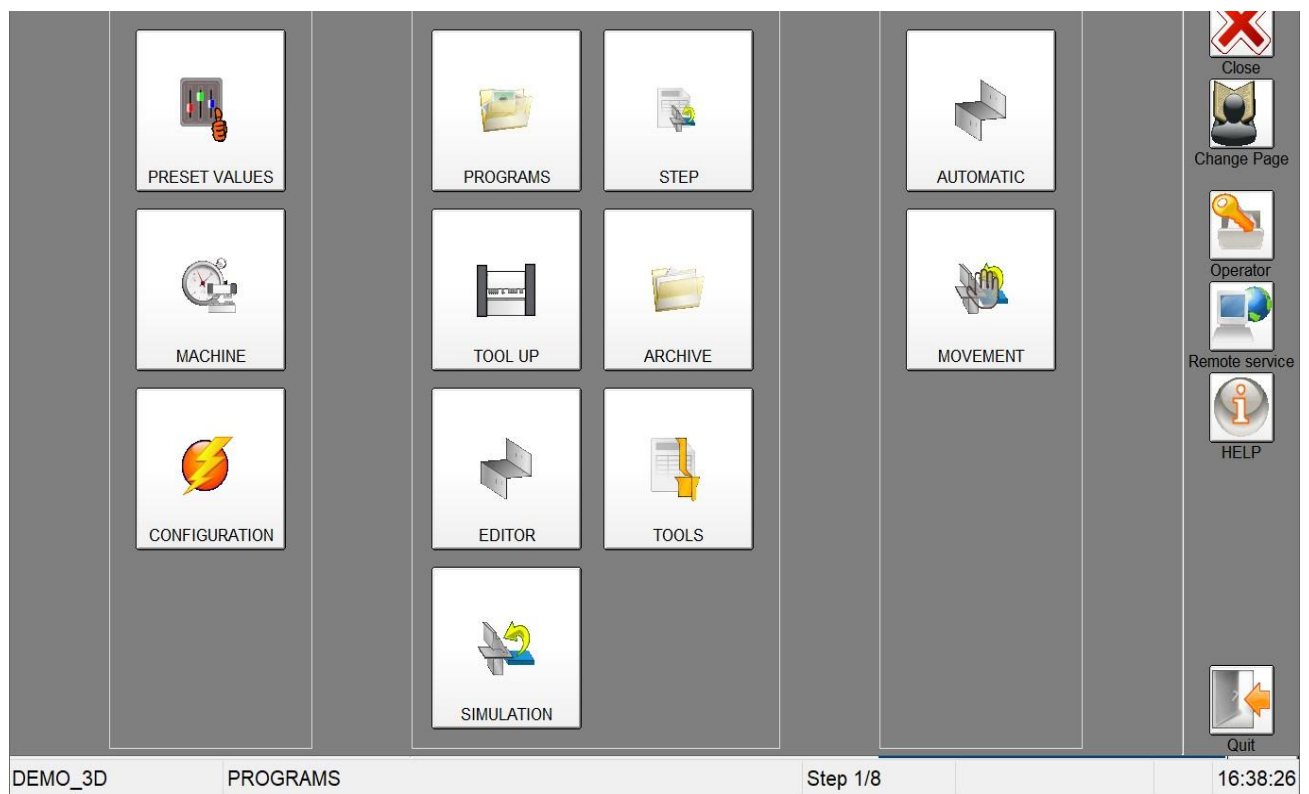
- Manual height adjustment of folding beam up to 35 mm according to the sheet thickness or bending point radius requested.
- Located in left and right side and should be adjusted equally on both sides.



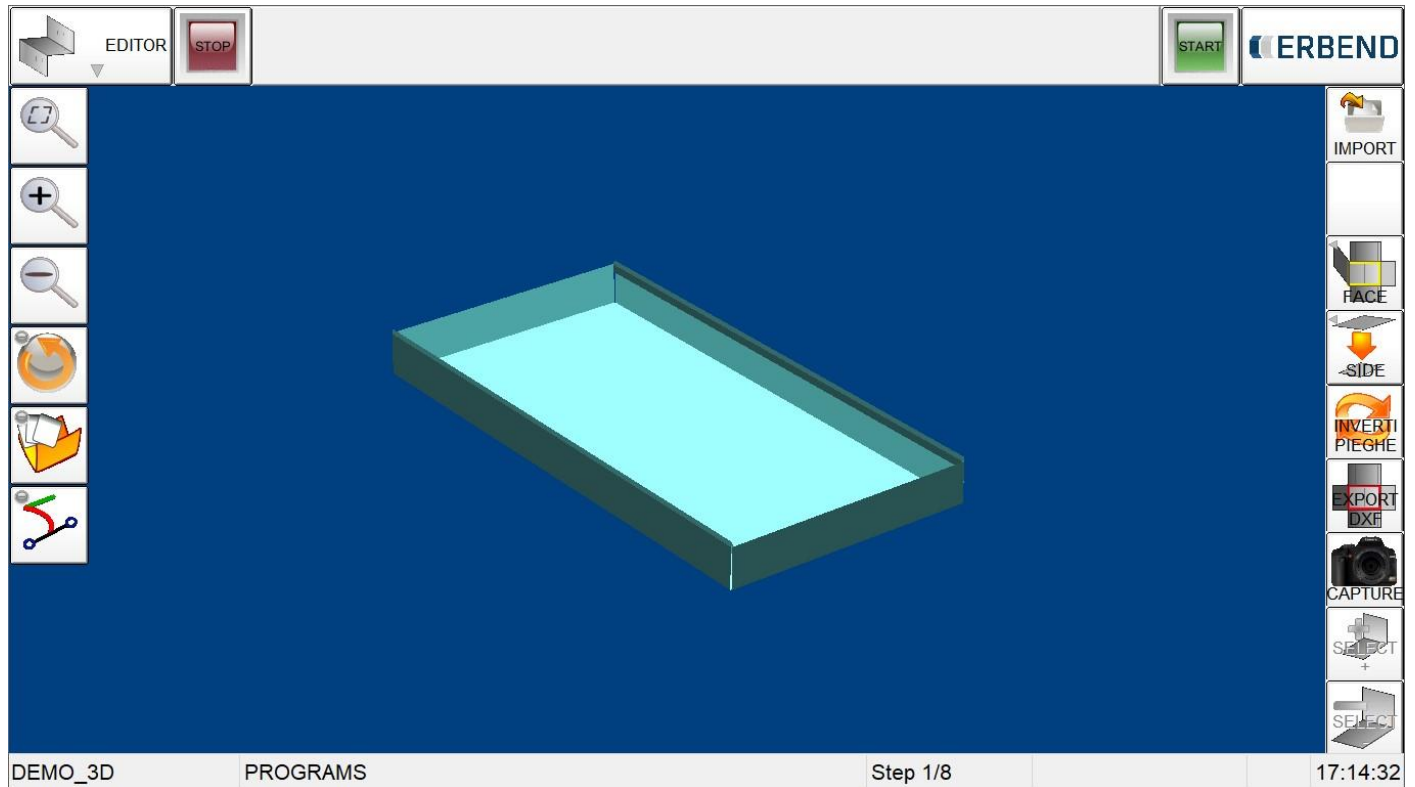
OPTIONAL SPECS AND ACCESSORIES

9-) ERFOLD ADVANCED 2D/ 3D CNC GRAPHICAL CONTROL SOFTWARE

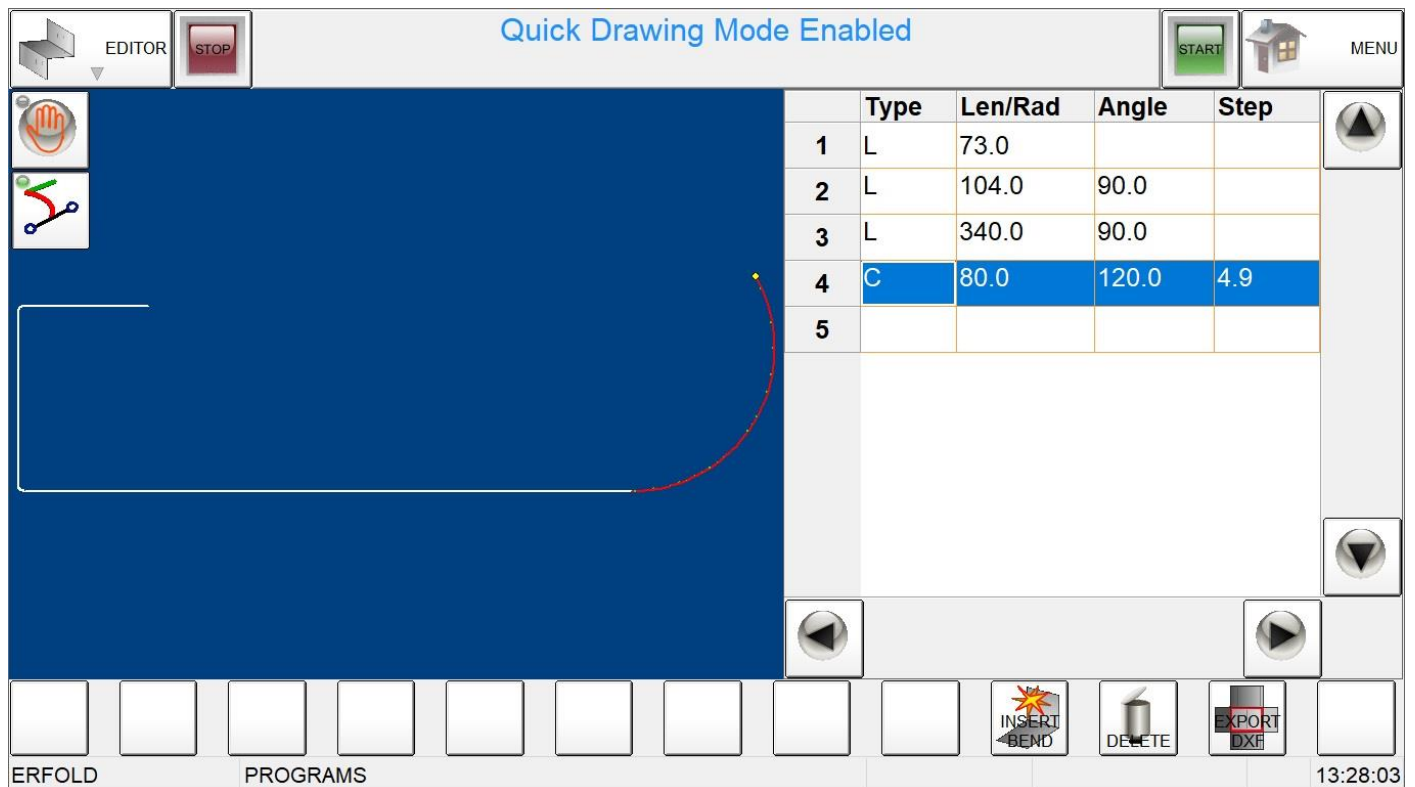
- 15.6" touchscreen all-in one industrial pc controller on swivel arm
- 2D part editor: you can create a new bending programme by drawing or line by line and and visualize in 2D
- 3D editor: You can draw the parts in 3D or you can import 3D step/igs files over your offline software
- You can determine and change the bending sequence on the created part
- 3D simulation of bending to check for collisions and intervene if needed
- Capability of choosing material type,thickness,springback,shortening,bending correction and creating data base for every type of material or lot
- Tool library and edit: You can import, create by drawing and define new tools, save, recall or delete in the library
- Authorization levels with special passwords
- Real time simulated production page in which you can monitor all axes movements on 3D graphic view of the machine and also numerical values of the axes
- 16 GB hard disk space which allows you to save unlimited bending receipt or tool data
- Detailed alarm and parameters page

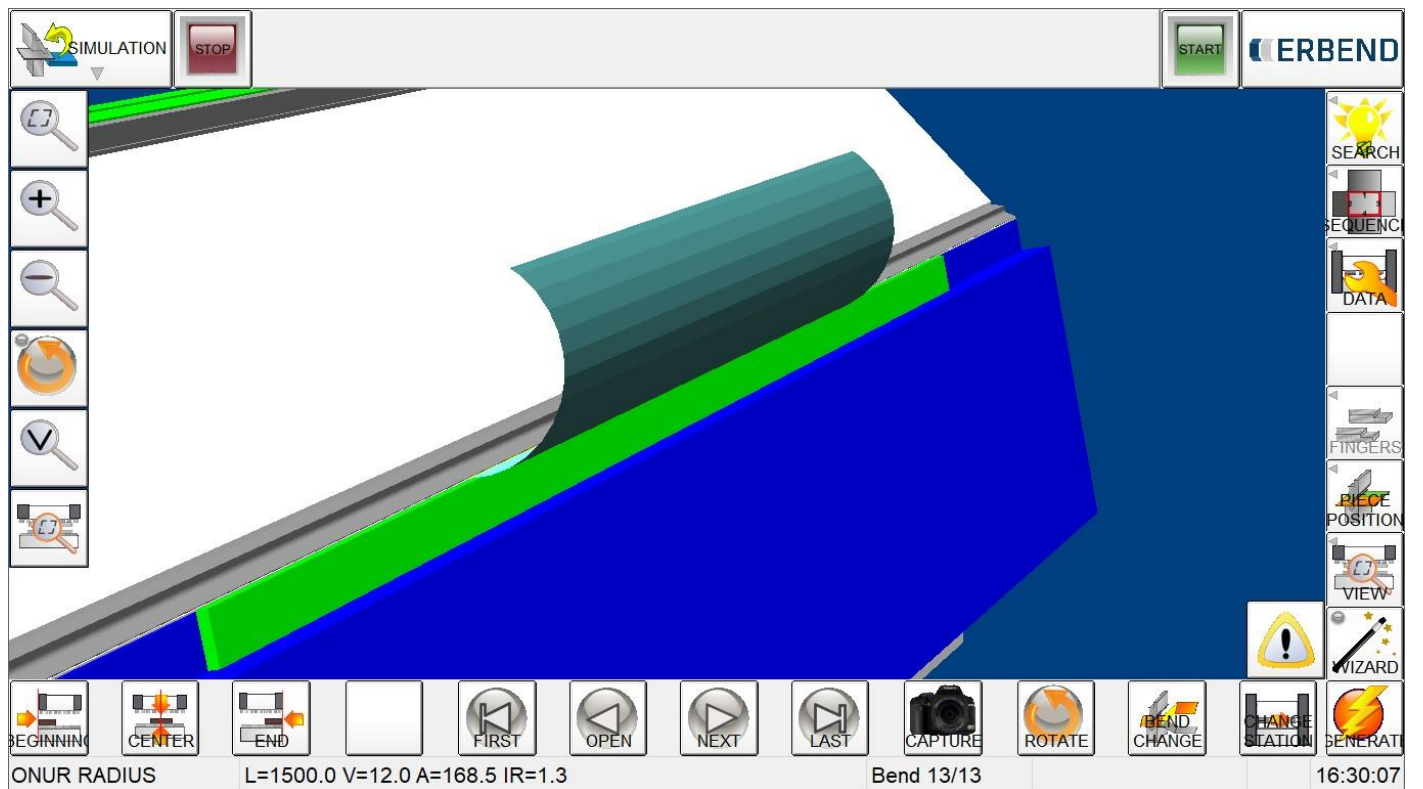
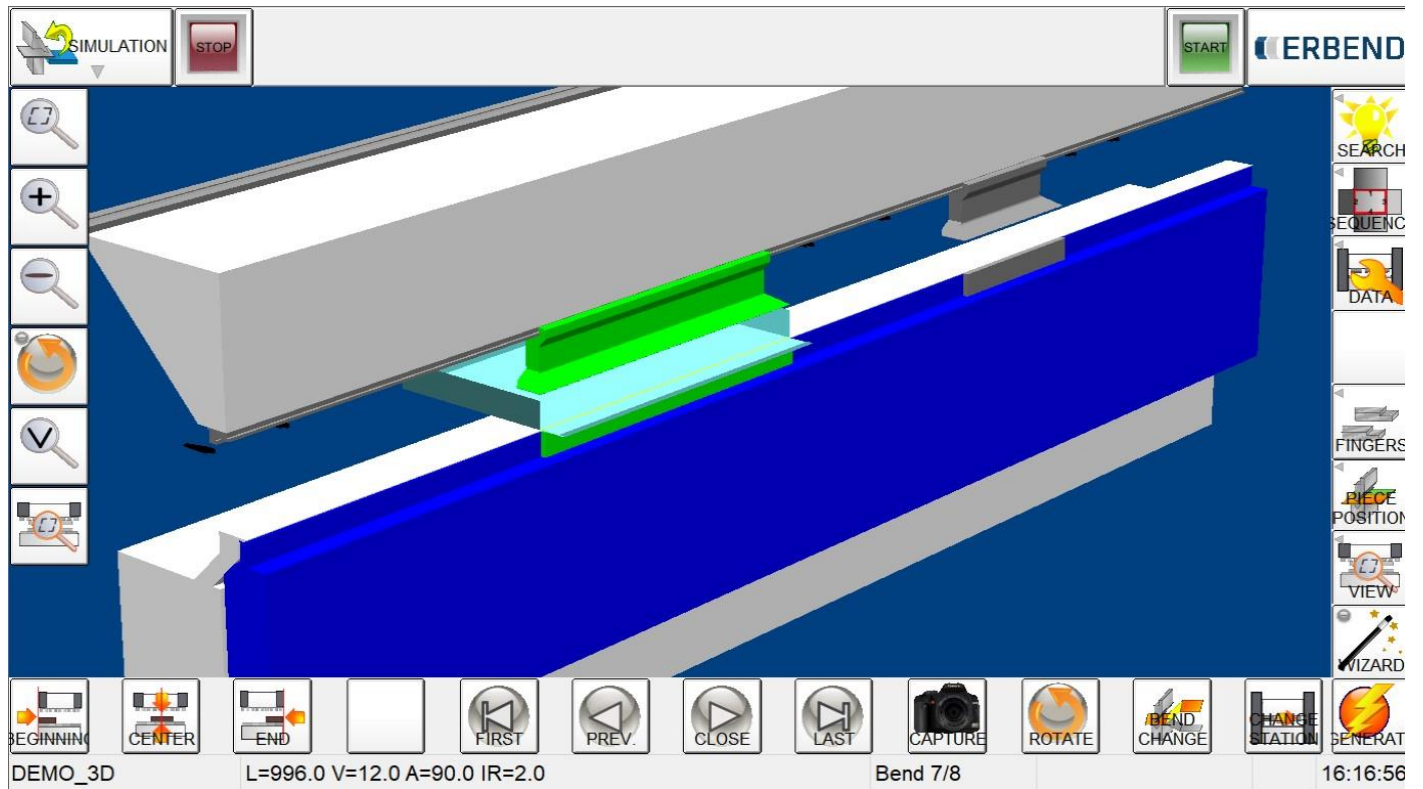


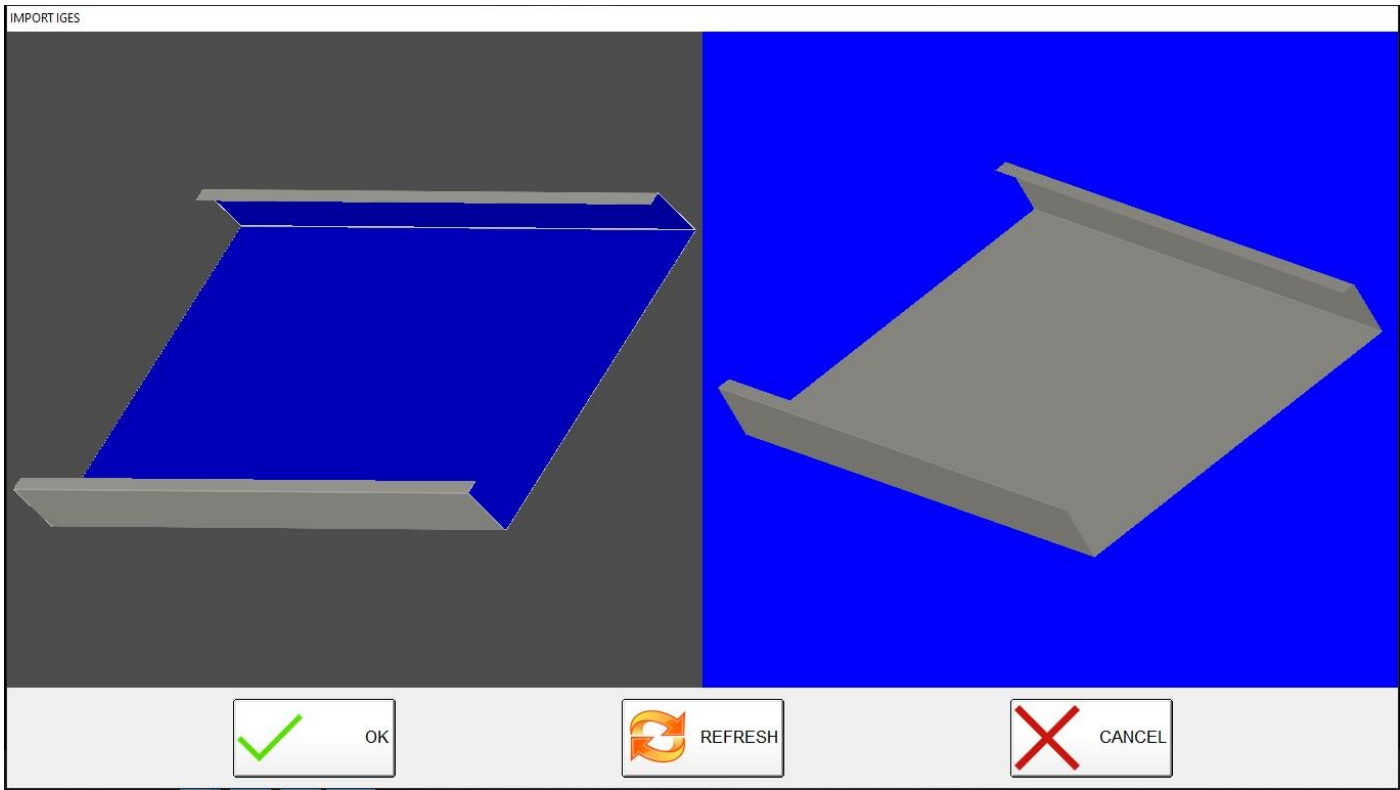
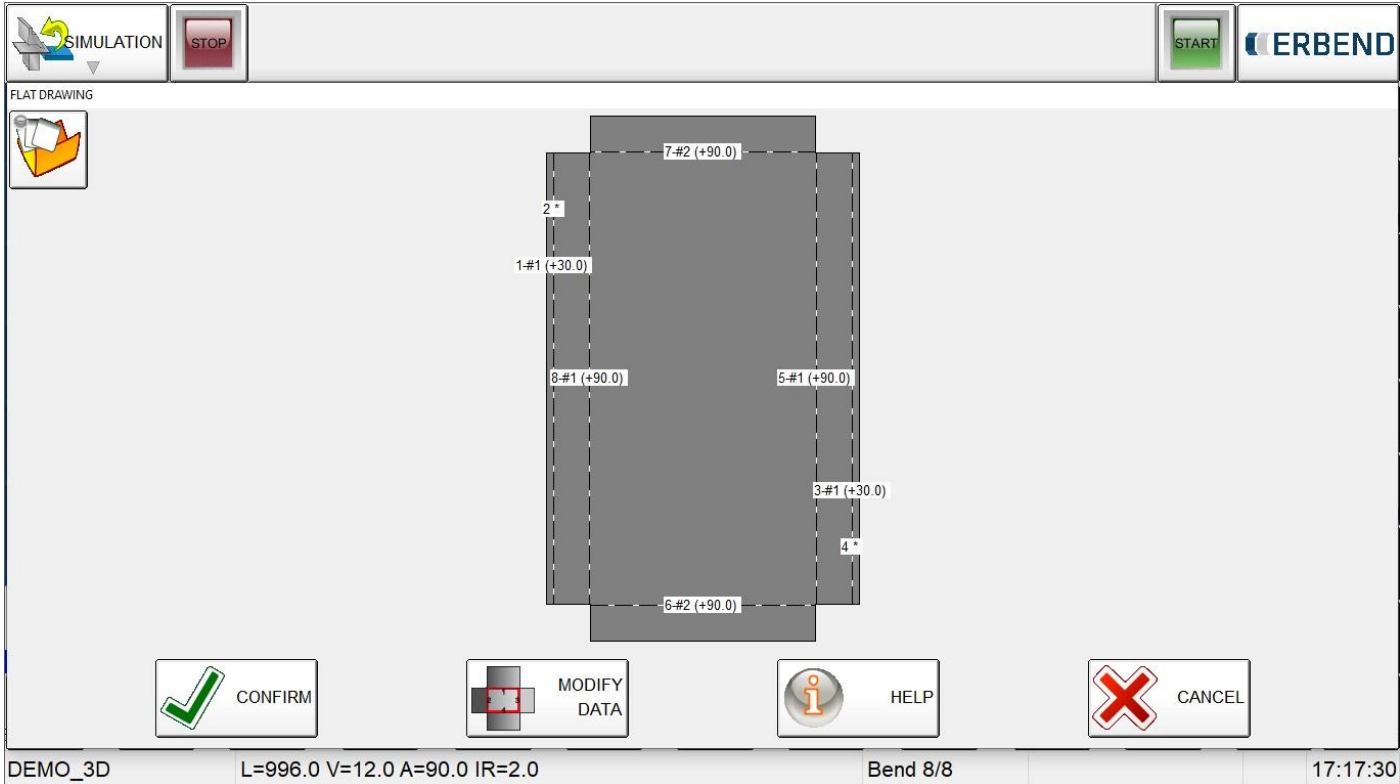
3D EDITOR



2D EDITOR

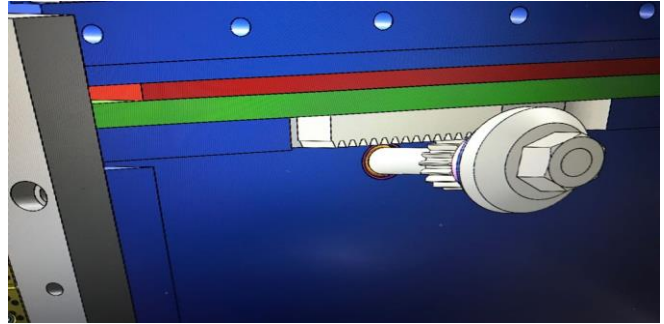






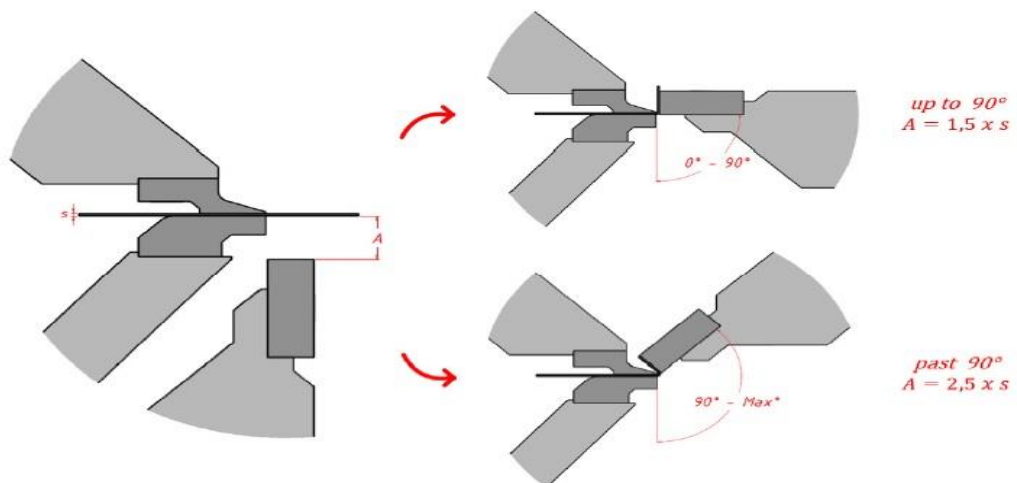
10-) MANUAL CROWNING SYSTEM

- On long and thin sheets, in order to prevent the banana shape bends, you just need to adjust the crowning between %25 and %100 to give more support from the middle side of the folding beam



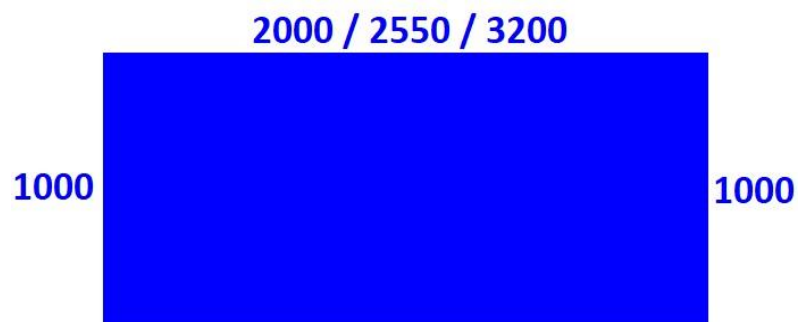
11-) MOTORIZED FOLDING BEAM ADJUSTMENT (A AXIS)

- By lowering your folding beam down, you can adjust your bending (pivot) point according to the sheet thickness or you can increase the radius of your bends



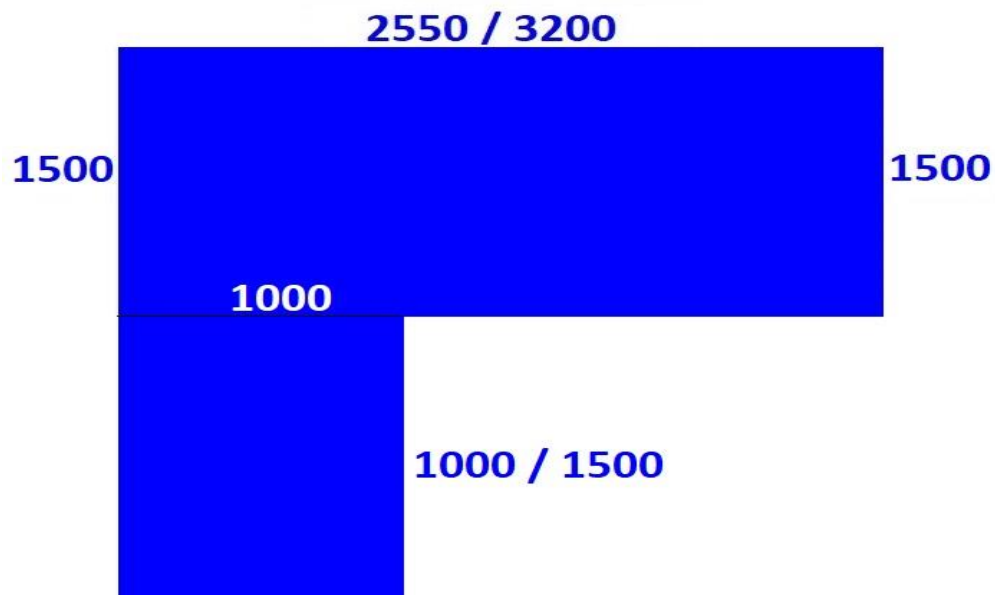
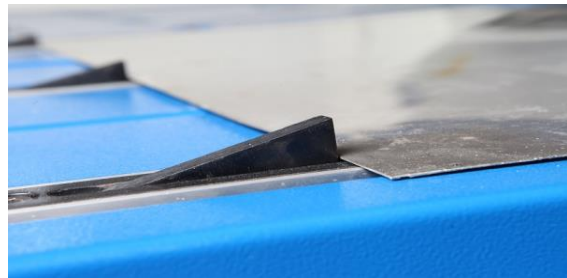
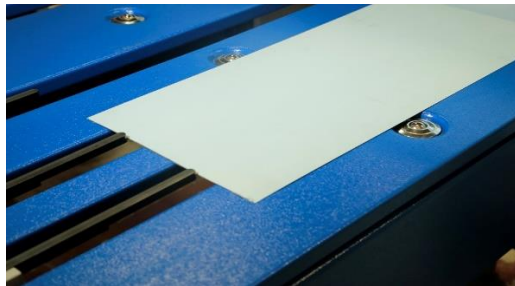
12-) LONGER RECTANGULAR SHEET SUPPORT TABLE

- 1000/ 1500 mm rectangular sheet support table and back gauges
- Front side gauging arms + middle and back side triangle fingers up to 6 sectors
- Movable sliders for down flanges + steady side gauge



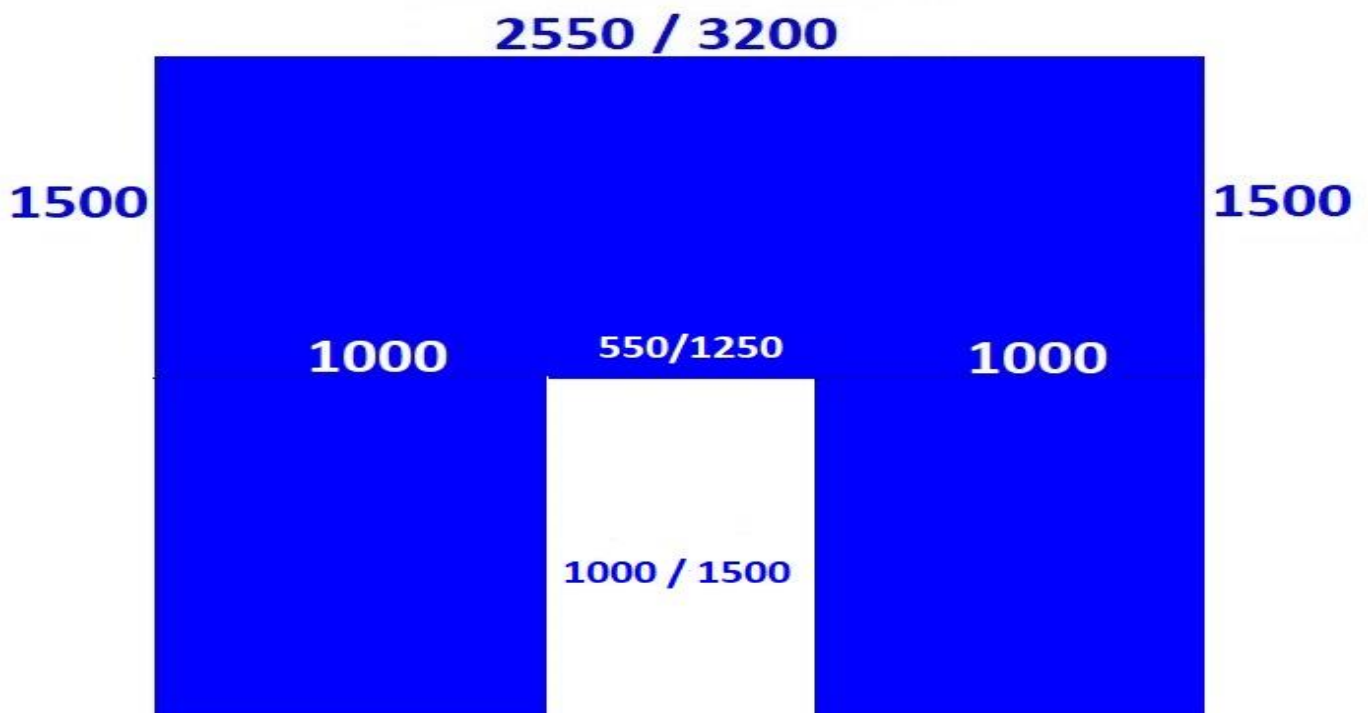
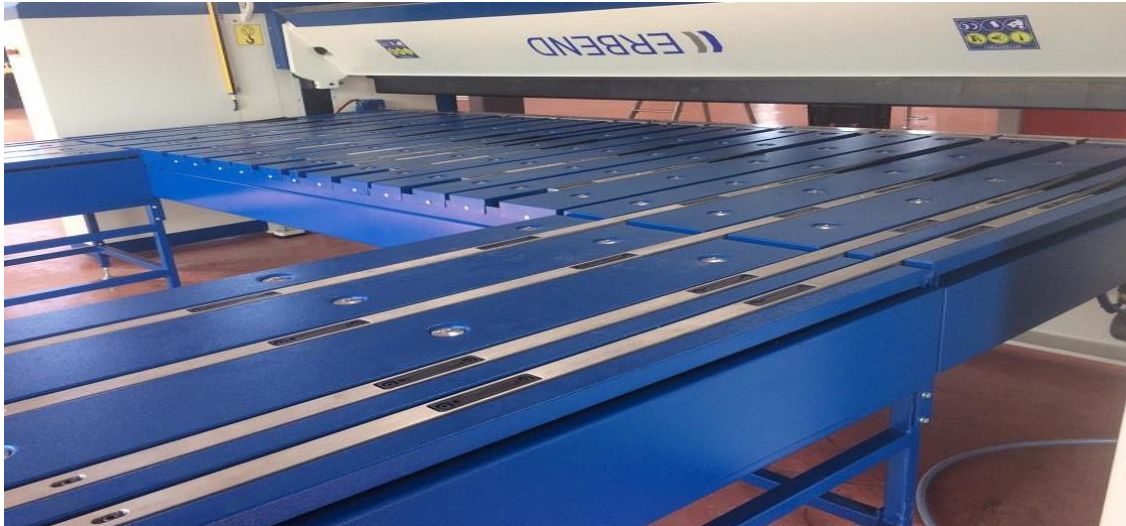
13-) L SHAPE SHEET SUPPORT TABLE

- 3000 /1500 mm long L shape sheet support table (metal or brushed)
- Front side gauging arms + middle and back side triangle fingers up to 6 sectors



14-) U SHAPE SHEET SUPPORT TABLE

- 3000/1500/3000 mm long U shape sheet support table
- Front side gauging arms + middle and back side triangle fingers up tp 6 sectors



15-) 60 OR 90 MM HIGH SEGMENTED GOAT FOOT TOOL SET

- 42CrMo4 grinded material, nose parts are 60HRC laser inductino hardened, darkened against corrosiob and laser marked for dimensions
- Segmented between 30-500 mm widths (including 2x 100 mm corner tools)

