



 **ERBEND**
FOLDING MACHINES



ABOUT US

Erbend , which manufactures only folding machines with different types and models, is located in the most industrialized city of Turkey, Bursa and its founded by **Mr. Orhan ER** who has 30 years of machinery production and sales experience in the market.

Our one and only aim is producing machines with world class quality and serving its customers all around the world with variable choices of folding machines with a fast delivery time.

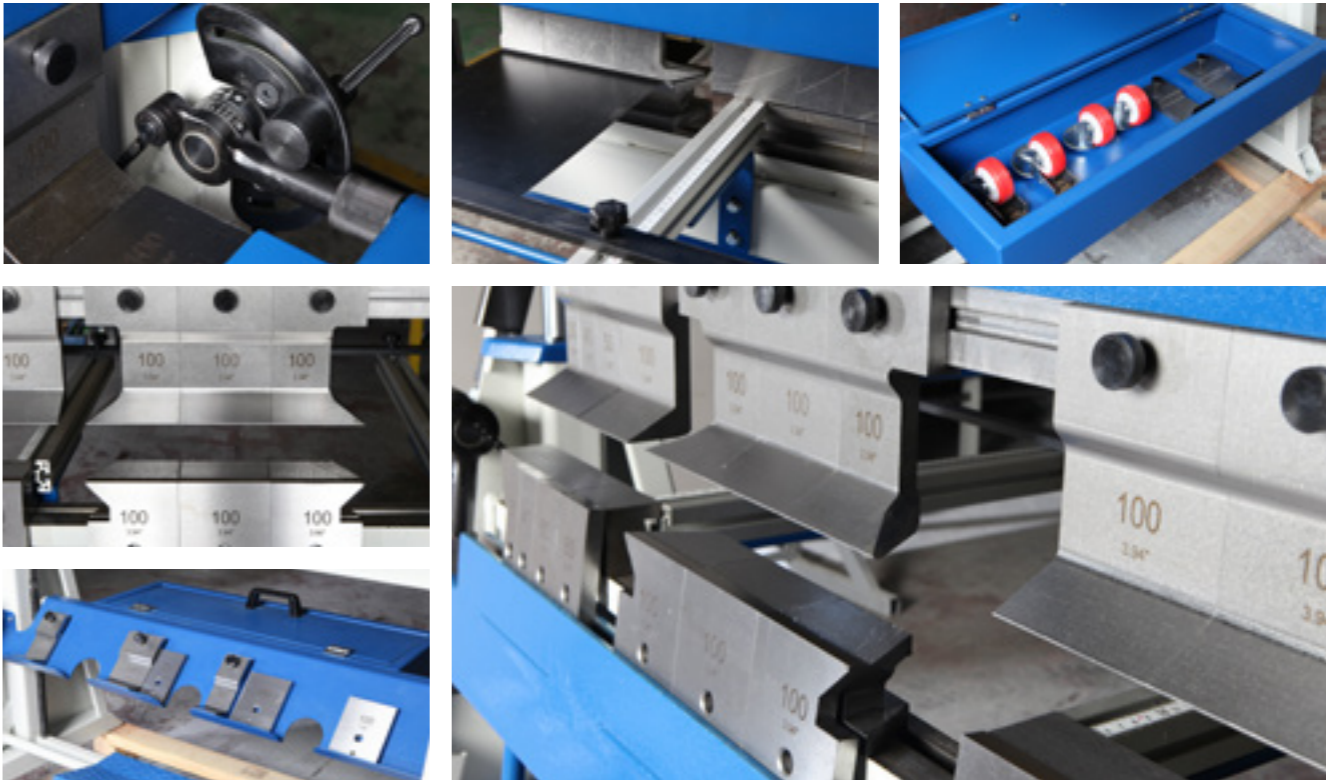
UFA

Manual Folder Segmented



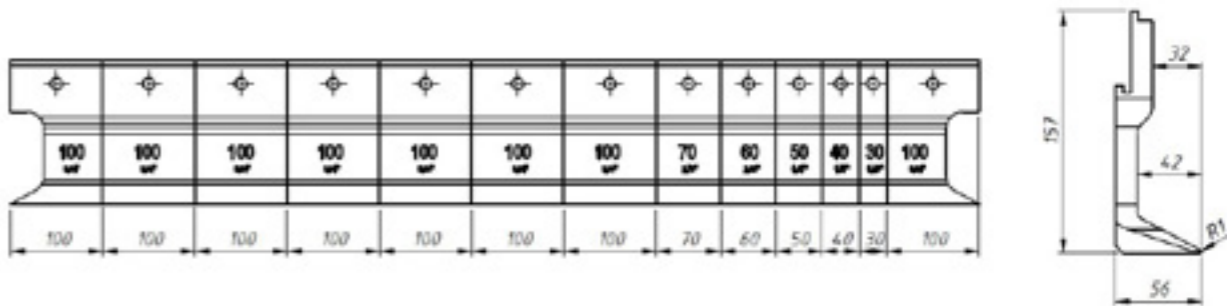
STANDARD FEATURES

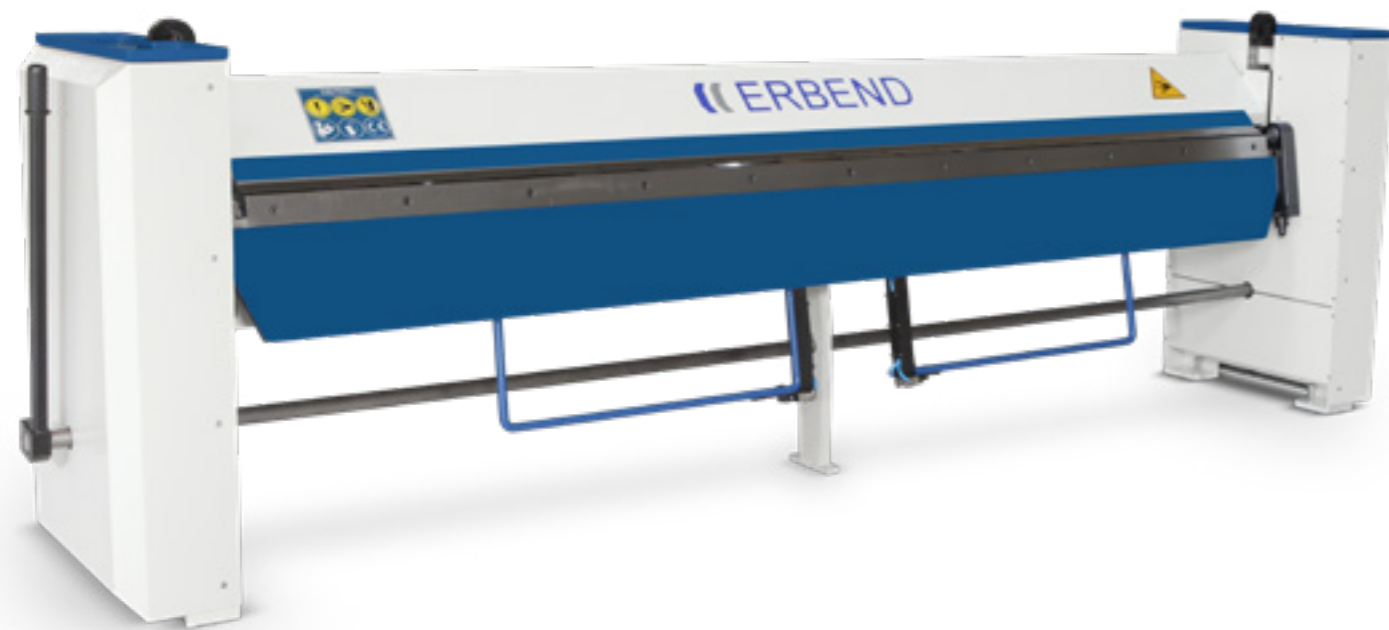
- Vertical clamping with 200 mm stroke
- Easy tool clamping system with specific Erbend design
- All segmented tools are 42CrMo4 material, 60 HRC laser induction surface hardened and grinded
- Bending angle stabilization system
- Clamping beam stabilizer arm
- Clamping beam stabilizer foot pedal
- Easier clamping re-swivel thanks to special pressure springs
- Easier folding re-swivel thanks to special return springs
- 500 mm manual back gauge system
- Tool, accessory cabinet holder



Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Dimensions W / L / H (mm)	Weight (kg)
UFA 1015	1050	1,5	1	2,2	750/1300/1515	280
UFA 1212	1250	1,2	0,8	2	750/1500/1715	315

TOOL & BEAM GEOMETRY





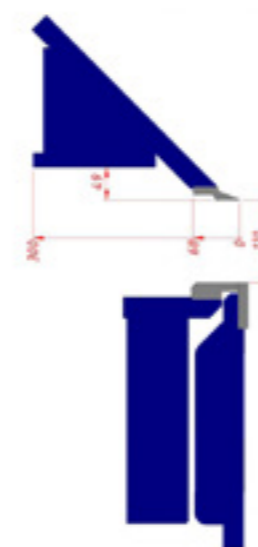
Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Dimensions W / L / H (mm)	Weight (kg)
UFB 1525	1550	2,5	1,5	3,5	1350/2050/1600	1050
UFB 2020	2050	2	1,2	3	1350/2550/1600	1250
UFB 2515	2550	1,5	0,8	2,5	1350/3050/1600	1450
UFB 3212	3200	1,2	0,6	2	1350/4050/1600	2150

STANDARD FEATURES

- 0-150° Folding beam angle
- 45° clamping beam geometry
- Single piece sharp nose tools . R:1 – 20°, foot width:35 mm, h:20 mm
- Single piece folding beam tools as 15 mm or 25 mm
- Manual folding beam adjustment
- Stabilization unit for clamping and folding beams
- Bottom beam central support
- Pneumatic folding beam lifting support (optional for UFB 1525)



TOOL & BEAM GEOMETRY



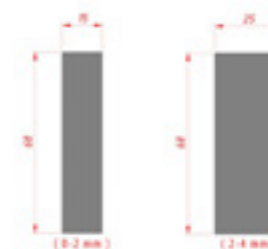
Beam Geometry



Sharp nose tool



Bottom beam tools



Folding beam tools

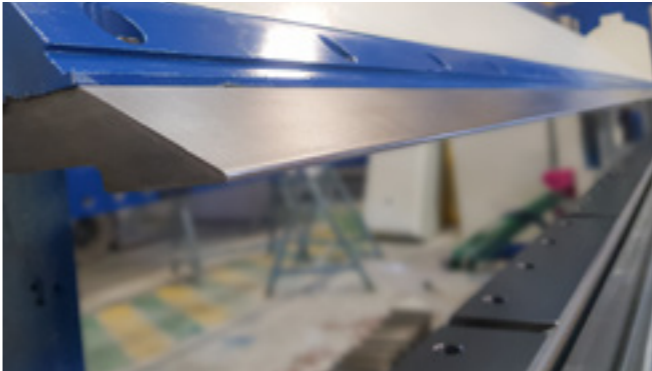
HFA

CNC Hydraulic Folder

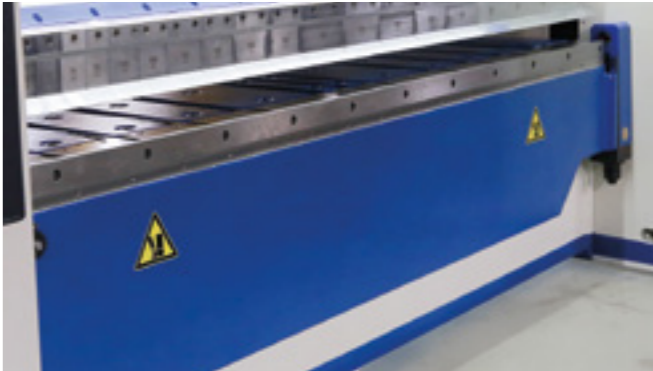


Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Axis Speed (Y° / Z mm) /sn	Motor Power (kW)	Dimensions W / L / H (mm)	Weight (kg)
HFA 2040	2050	4	3	6	25 / 25	7,5	2200/3600/2250	5720
HFA 2060	2050	6	4	8	25 / 25	11	2200/3600/2250	5750
HFA 2540	2550	4	3	6	25 / 25	7,5	2200/4100/2250	6950
HFA 2560	2550	6	4	8	25 / 25	11	2200/4100/2250	6980
HFA 3240	3200	4	3	6	25 / 25	7,5	2200/4600/2250	7420
HFA 3260	3200	6	4	8	25 / 25	11	2200/4600/2250	7450

STANDARD FEATURES



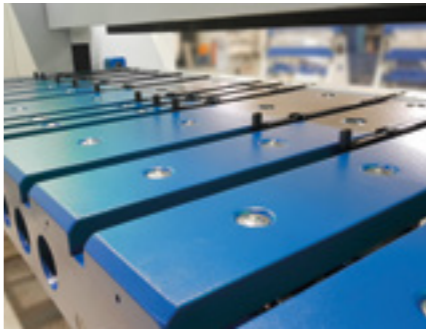
250 mm stroke capacity and vertical moving clamping beam with 20° single piece sharp nose tool.



0-135° folding angle.



Manual folding beam adjustment as 80 mm.



1000 mm motorized back gauge system.



Led function lights.



3 switch control foot pedal.



Manual crowning system.



Erfold Basic CNC line by line controller software on 10" touchscreen controller.



Front light barriers.



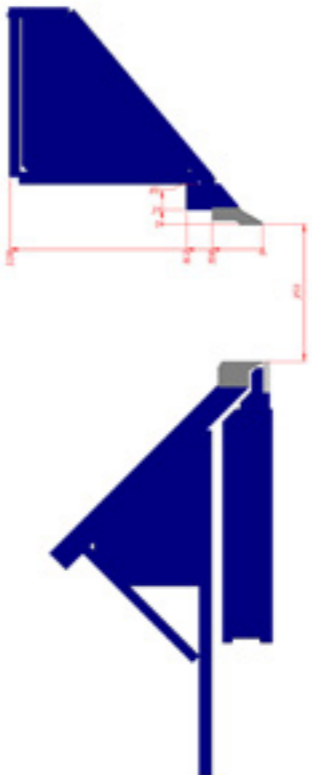
90 / 120 mm high, segmented goat foot tools.



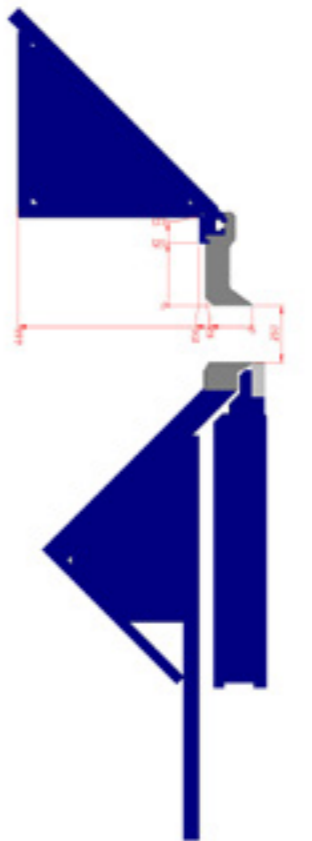
1500 / 2000 / 3000 mm motorized back gauge system and sheet support table with ball casters.



Motorized folding beam adjustment as 80 mm.



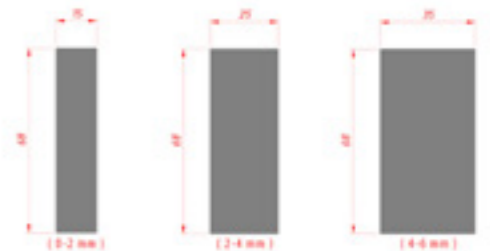
Beam geometry with sharp nose



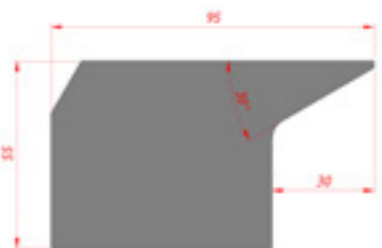
Beam geometry with goat foot



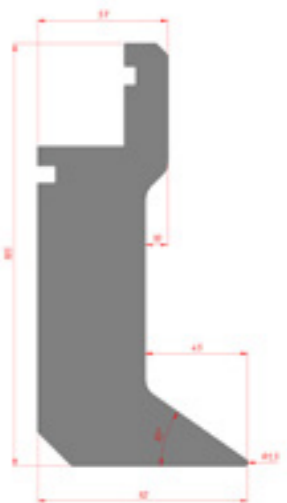
Sharp nose tool



Folding beam tools



Bottom beam tools



Goat foot tool (Optional)

MFC

CNC Motorized Folder



Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Axis Speed (Y / Z / X mm) /sn	Motor Power (Y / Z / X) (kW)	Dimensions W / L / H (mm)	Weight (kg)
MFC 1530	1550	3	2	4	65 / 70 / 200	1,5 / 1,1 / 0,4	1350/2500/1700	1550
MFC 2025	2050	2,5	1,5	3,5	65 / 70 / 200	1,5 / 1,1 / 0,4	1350/3000/1700	1700
MFC 2520	2550	2	1,2	3	65 / 70 / 200	1,5 / 1,1 / 0,4	1350/3500/1700	1850
MFC 3215	3200	1,5	1	2,5	65 / 70 / 200	1,5 / 1,1 / 0,4	1350/4200/1700	2150

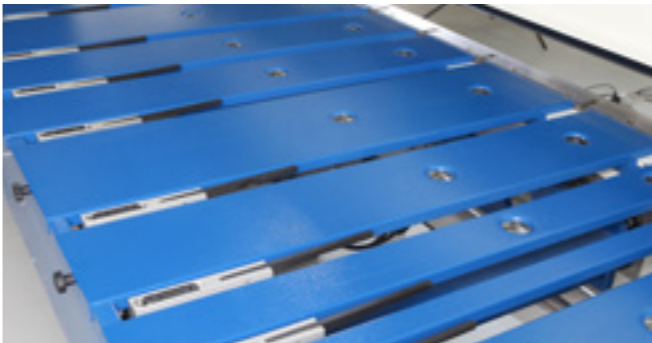
STANDARD FEATURES



160 mm clamping beam stroke with vertical movement and 20° sharp nose tool.



Erfold Basic CNC line by line software on 10.6" touchscreen controller.



750 mm motorized back gauge system and sheet support table with ball casters.



0-135° folding angle.



Manual folding beam adjustment as 80 mm.



3 switch control foot pedal.



Front light barriers.



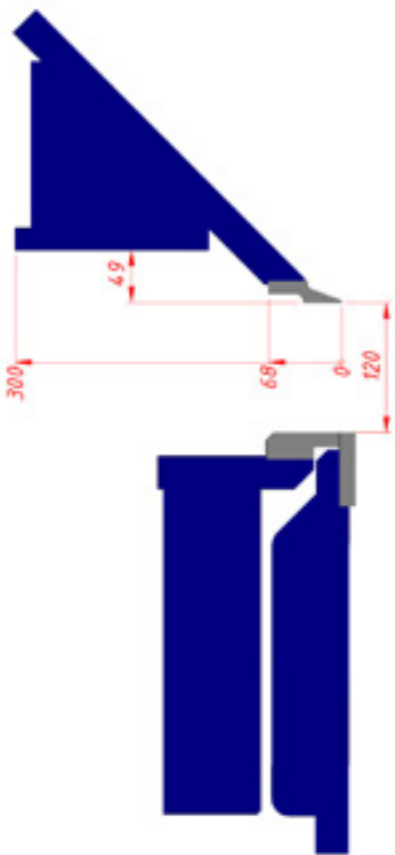
1000 / 1500 mm motorized back gauge system and sheet support table with ball casters.



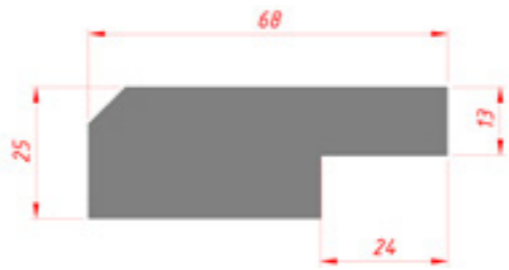
60 / 90 mm high segmented goat foot tools.



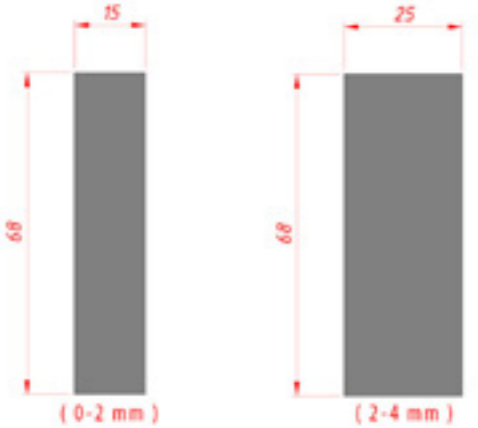
Solid lower beam tool with feather grooves.



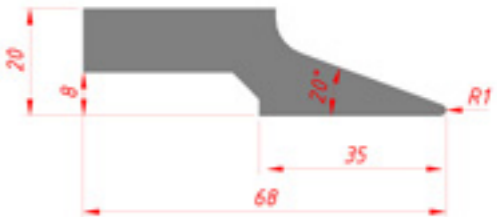
Beam geometry with sharp nose



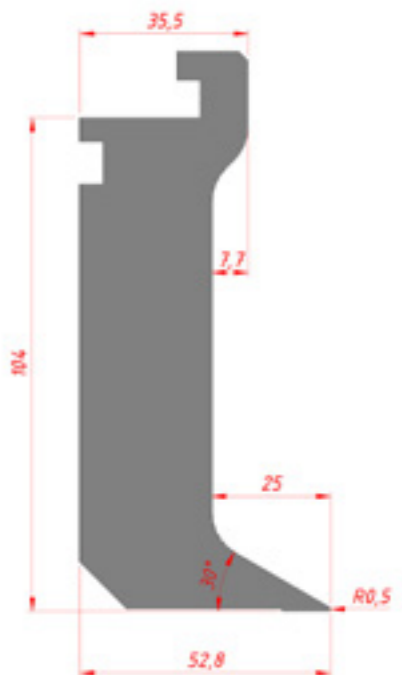
Bottom beam tools



Folding beam tools



Sharp nose tool



Goat foot tool (Optional)

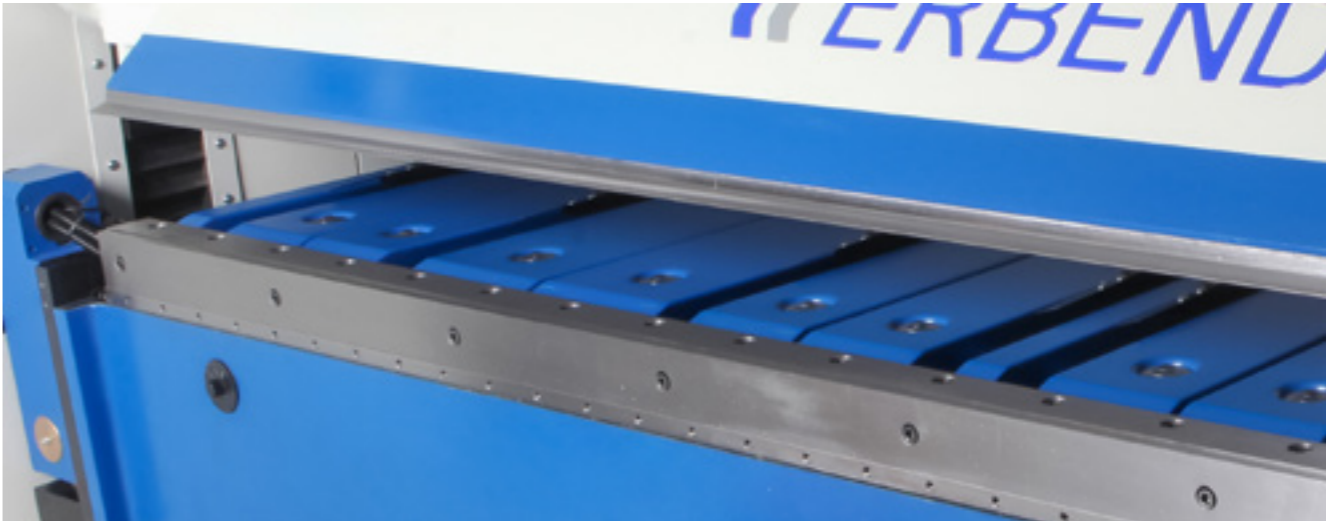
MFB

CNC Motorized Folder

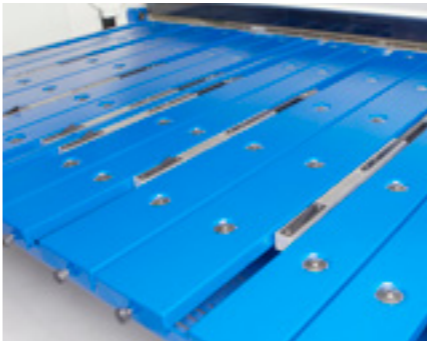


Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Axis Speed (Y° / Z / X mm) /sn	Motor Power (Y / Z / X) (kW)	Dimensions W / L / H (mm)	Weight (kg)
MFB 2030	2050	3	2	4	65 / 60 / 200	3 / 1,5 / 0,4	2500/3250/2100	3500
MFB 2525	2550	2,5	1,5	3,5	65 / 60 / 200	3 / 1,5 / 0,4	2500/3850/2100	4350
MFB 3220	3200	2	1,2	3	65 / 60 / 200	3 / 1,5 / 0,4	2500/4450/1900	4700
MFB 3240	3200	4	2,5	6	65 / 60 / 200	3 / 1,5 / 0,4	2500/4750/2100	7400
MFB 4215	4200	1,5	1	2	65 / 60 / 200	3 / 1,5 / 0,4	2500/5750/2100	8900
MFB 4225	4200	2,5	1,5	3,5	65 / 60 / 200	3 / 1,5 / 0,4	2500/5750/2100	9100

STANDARD FEATURES



160 mm stroke capacity and 20° single piece sharp nose tool.



1000 mm motorized back gauge system and sheet support table with ball casters.



Manual folding beam adjustment as 80 mm.



Front light barriers.



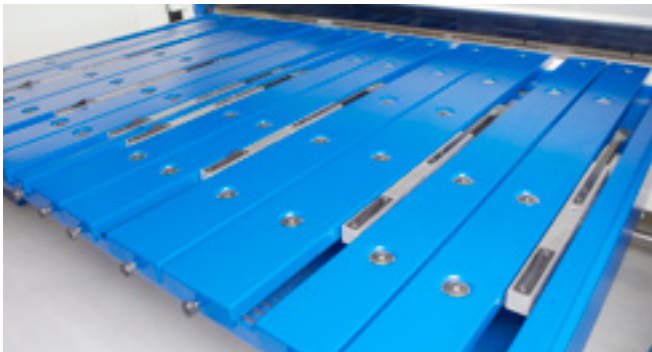
Erfold Basic CNC line by line controller software on 15.4" touchscreen controller.



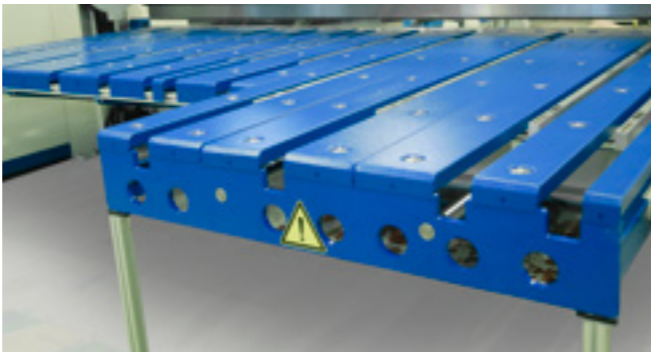
Led function lights.



3 switch control foot pedal.



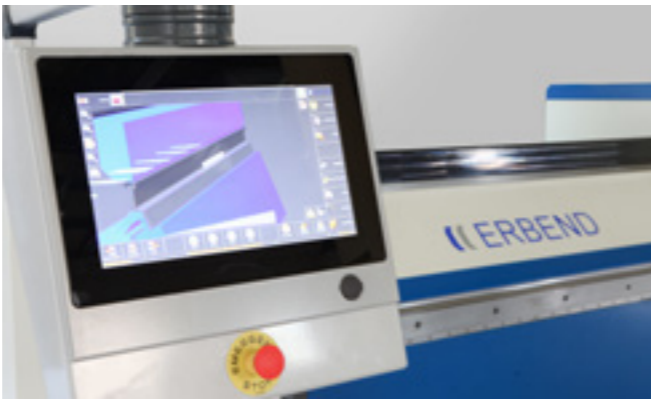
1500 / 2000 / 3000 / 4000 mm motorized back gauge system and sheet support table.



L shape back gauge system (metal or with brushes).



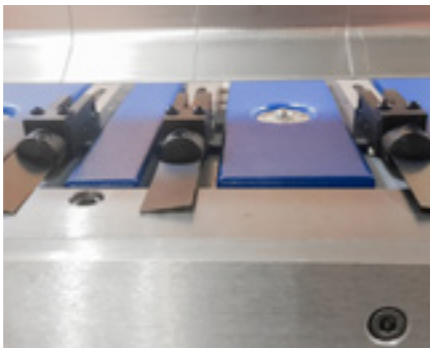
U shape back gauge system (metal or with brushes).



Erfold Advanced / 3D CNC graphic control software on touchscreen controller with swivel arm.



Motorized folding beam adjustment as 80 mm.



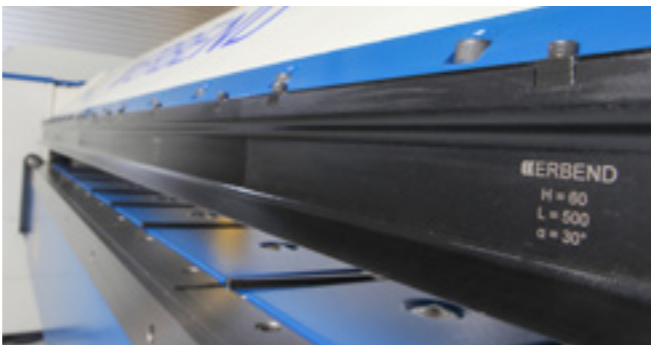
Solid lower beam tool with feather grooves



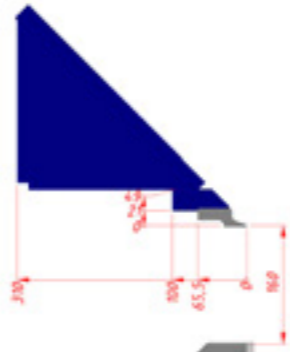
Manual crowning system.



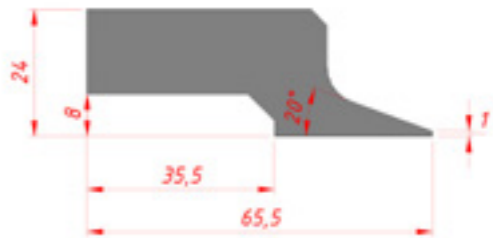
90 mm high segmented goat foot tools.



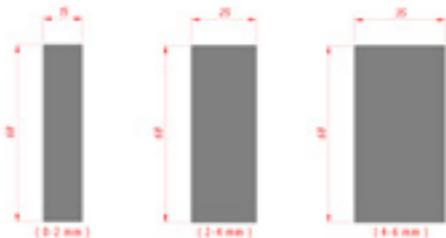
60 mm high segmented goat foot tools.



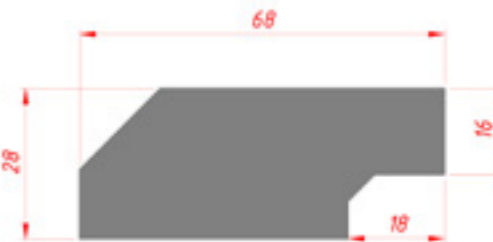
Beam geometry with sharp nose



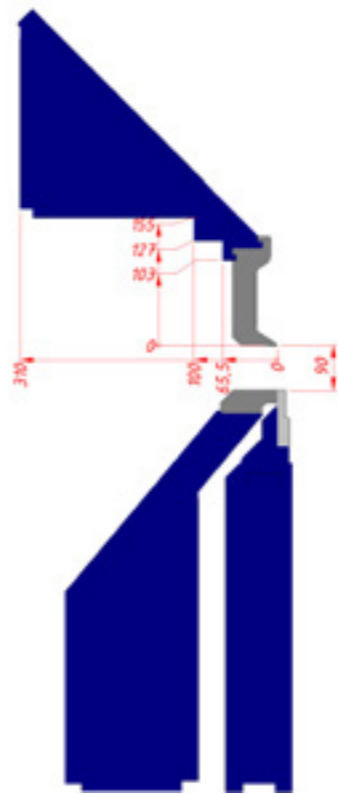
Sharp nose tool



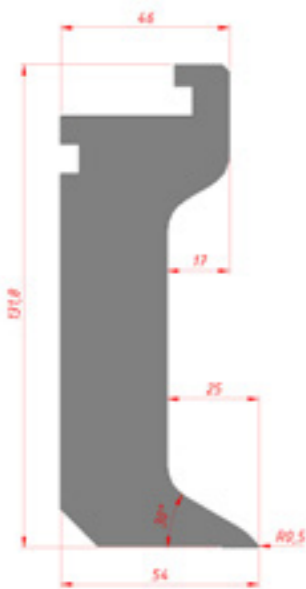
Folding beam tools



Bottom beam tools



Beam geometry with goat foot



Goat foot tool (Optional)

MFD

Combi CNC Motorized Folder



Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Axis Speed (Y° / Z / X mm) /sn	Motor Power (Y / Z / X) (kW)	Dimensions W / L / H (mm)	Weight (kg)
MFD 2525	2550	2,5	1,5	3,5	65 / 60 / 200	3 / 1,5 / 0,4	2500/3850/1900	4650
MFD 3220	3200	2	1,2	3	65 / 60 / 200	3 / 1,5 / 0,4	2500/4450/1900	5650
MFD 4215	4200	1,5	1	2	65 / 60 / 200	3 / 1,5 / 0,4	2500/5450/1900	6850

STANDARD FEATURES



160 mm stroke capacity on 180° rotating combi clamping beam with 2 tool stations as 90 mm high segmented goat foot tools on station 1 and 20° single piece sharp nose tool on station 2.



90 mm high segmented goat foot tools.



Manual folding beam adjustment as 80 mm.



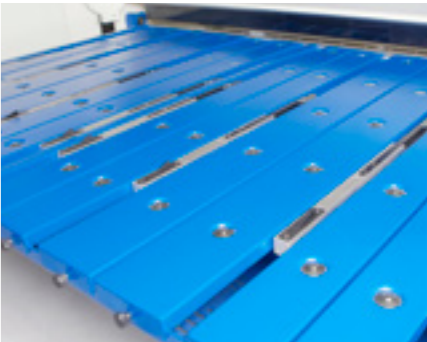
Led function lights.



Front light barriers.



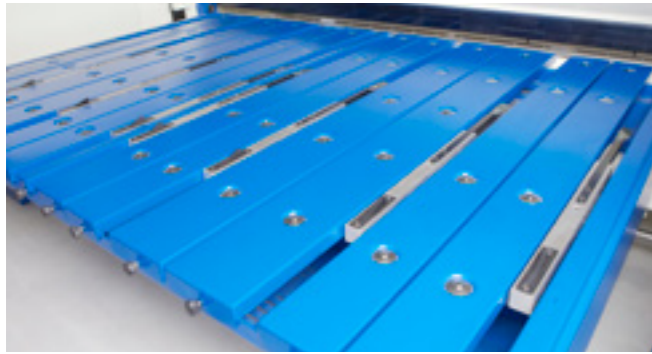
Erfold Basic CNC line by line control software on 15.6 " touchscreen controller with swivel arm.



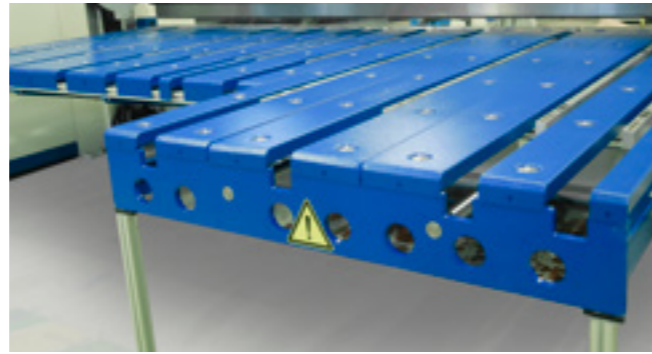
1000 mm motorized back gauge system and sheet support table with ball casters.



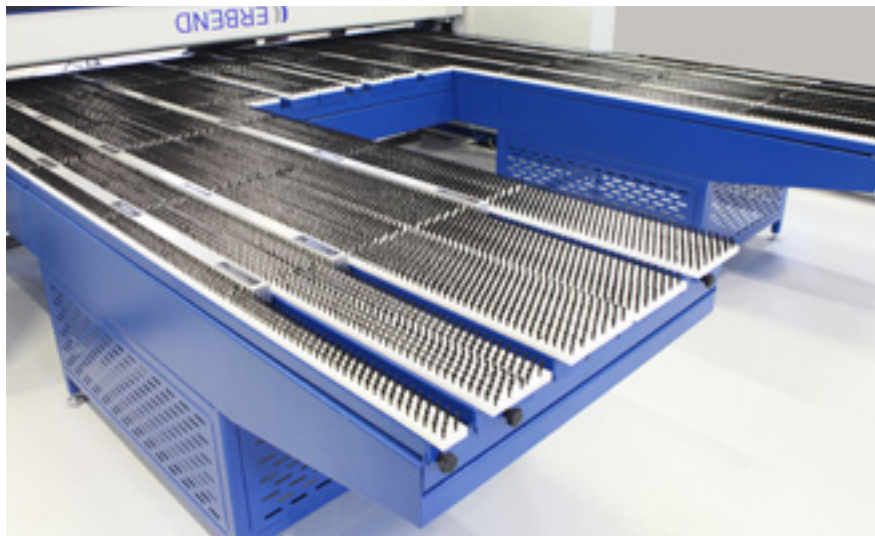
3 swtich control foot pedal.



1500 / 2000 / 3000 / 4000 mm motorized back gauge system and sheet support table.



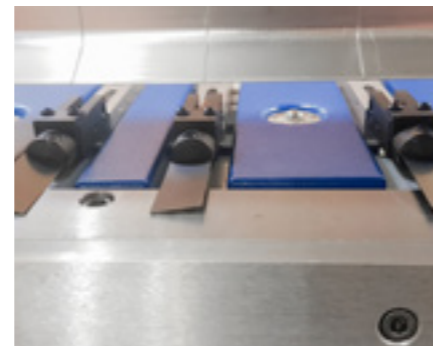
L shape back gauge system (metal or with brushes).



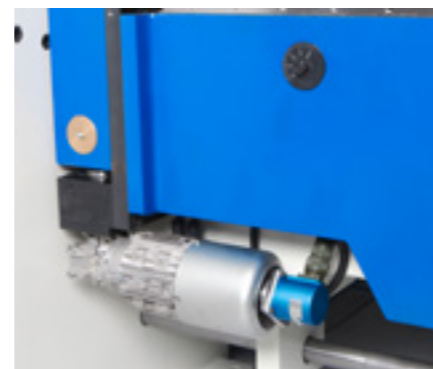
U shape back gauge system (metal or with brushes).



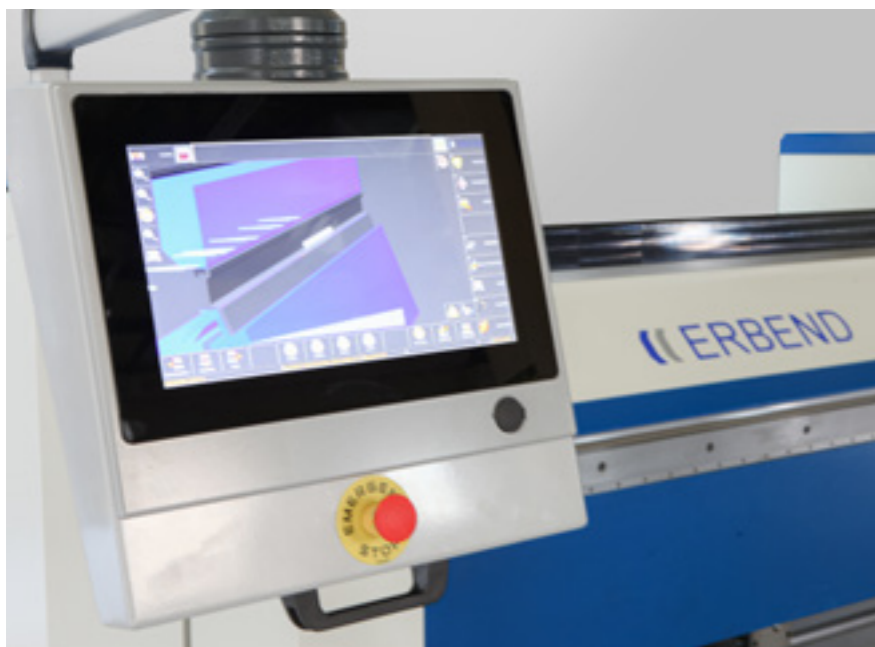
Manual crowning system.



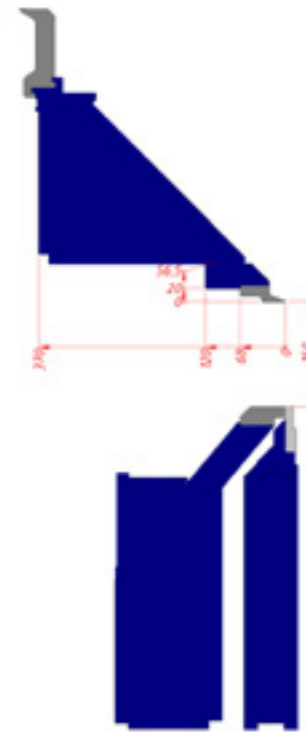
Solid lower beam tool with feather grooves.



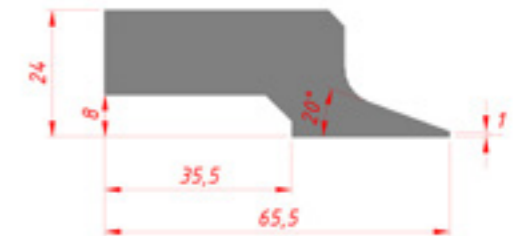
Motorized folding beam
adjustment as 80 mm.



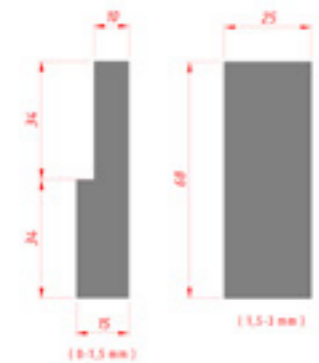
Erfold Advanced / 3D CNC graphic control software on touchscreen controller with swivel arm.



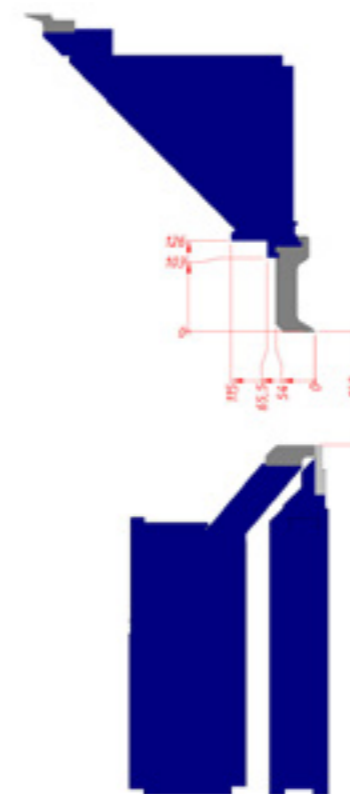
Beam geometry with sharp nose



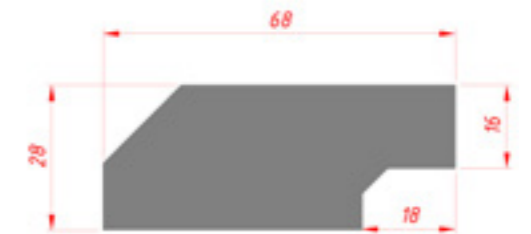
Sharp nose tool



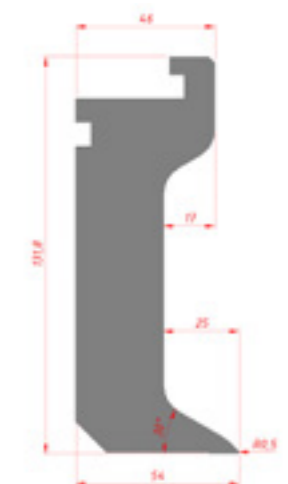
Folding beam tools



Beam geometry with goat foot



Bottom beam tools



Goat foot tool

MFA

Combi CNC Motorized Folder



Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Axis Speed (Y° / Z / X mm) /sn	Motor Power (Y / Z / X) (kW)	Dimensions W / L / H (mm)	Weight (kg)
MFA 2040	2050	4	3	6	65 / 40 / 200	2×3 / 2×3 / 0,4	2500/3550/2100	5700
MFA 2535	2550	3,5	2,5	5	65 / 40 / 200	2×3 / 2×3 / 0,4	2500/4050/2100	6300
MFA 3230	3200	3	2	4	65 / 40 / 200	2×3 / 2×3 / 0,4	2500/4750/2100	7100
MFA 4225	4200	2,5	1,5	3,5	65 / 40 / 200	2×3 / 2×3 / 0,4	2500/5750/2100	8050

STANDARD FEATURES



160 mm stroke capacity on 180° rotating combi clamping beam with 2 tool stations as 90 mm high segmented goat foot tools on station 1 and 20° single piece sharp nose tool on station 2.



Front light barriers.



Manual crowning system.



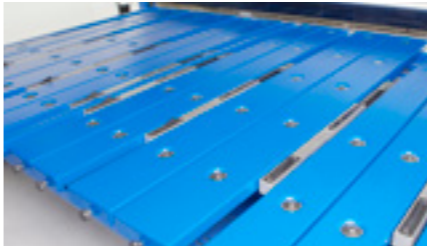
Motorized folding beam adjustment as 80 mm (A axis).



3 swtich control foot pedal.



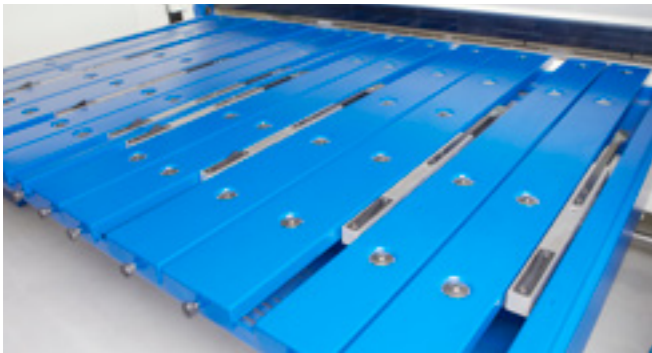
Led function lights



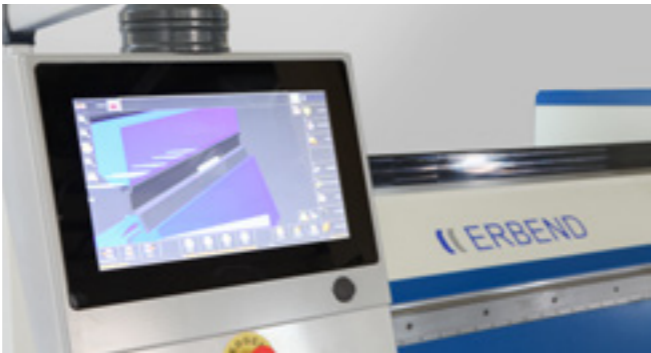
1300 mm motorized back gauge system and sheet support table with ball casters.



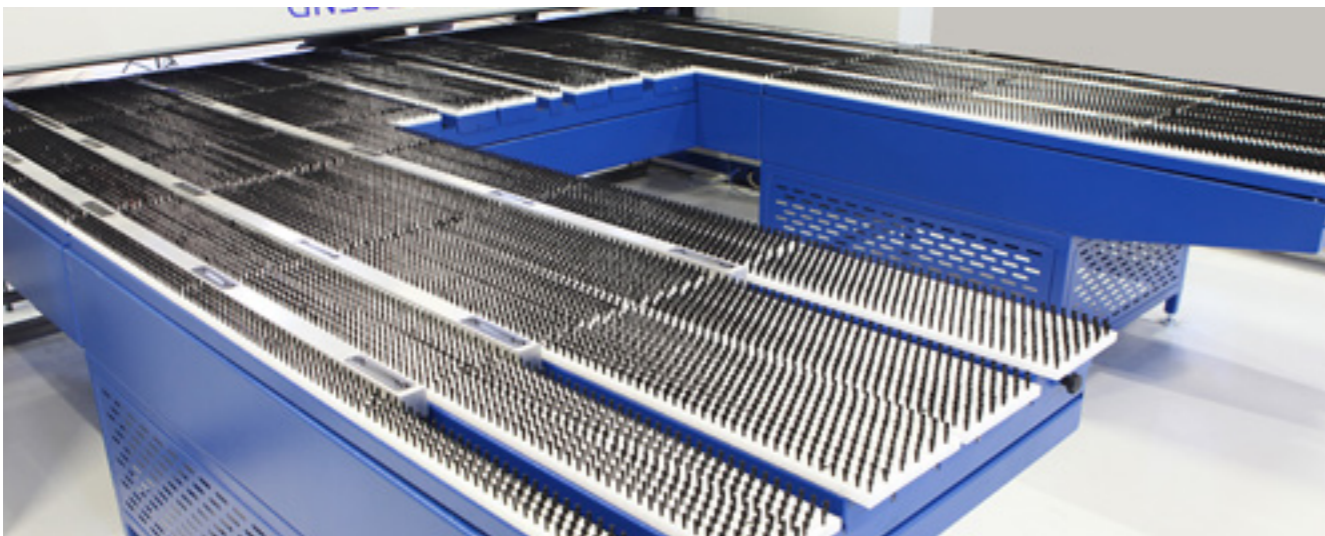
Erfold Basic CNC line by line software on 15.4" touchscreen controller with swivel arm.



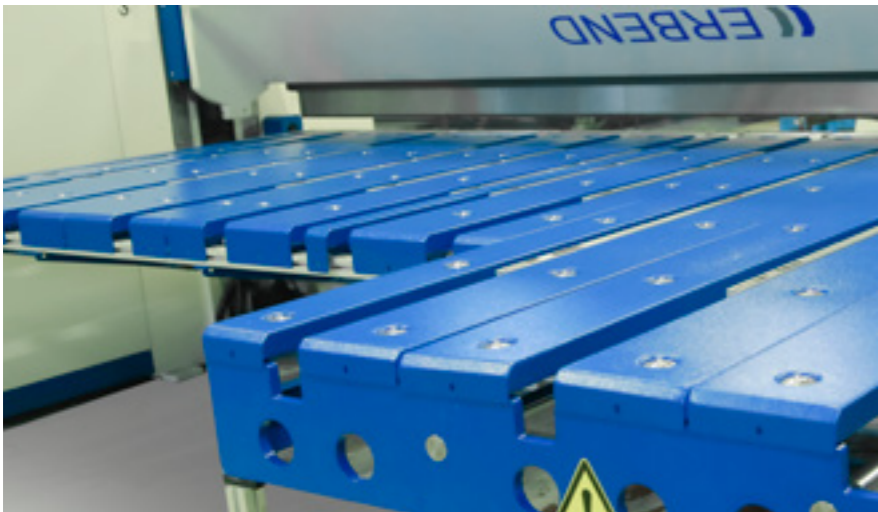
2000 / 3000 / 4000 mm motorized back gauge system and sheet support table with ball casters.



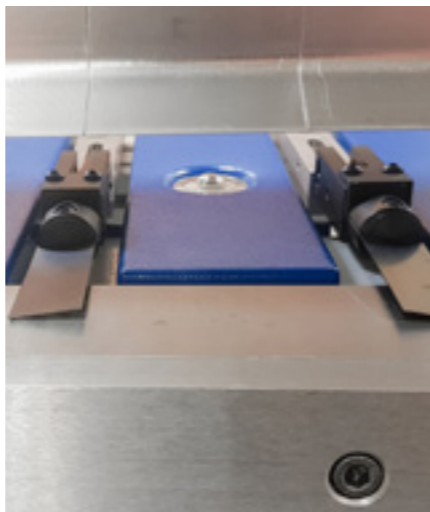
Erfold Advanced / 3D CNC graphic control software on touchscreen controller with swivel arm.



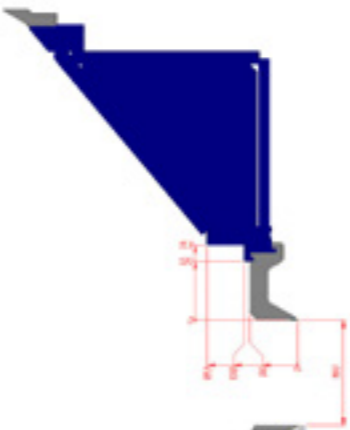
U shape back gauge system (metal or with brushes).



L shape back gauge system (metal or with brushes).



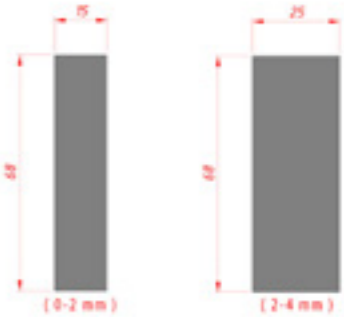
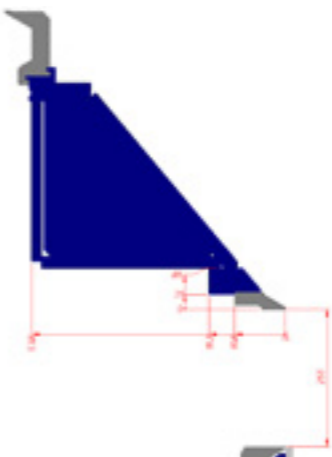
Solid lower beam tool with feather grooves



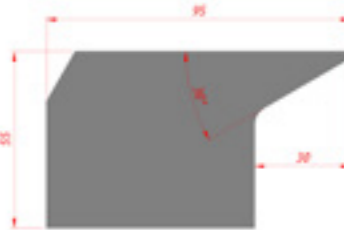
Beam geometry with goat foot



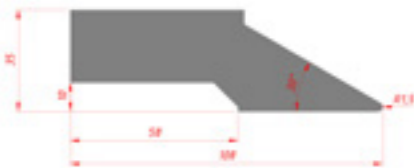
Beam geometry with sharpnose



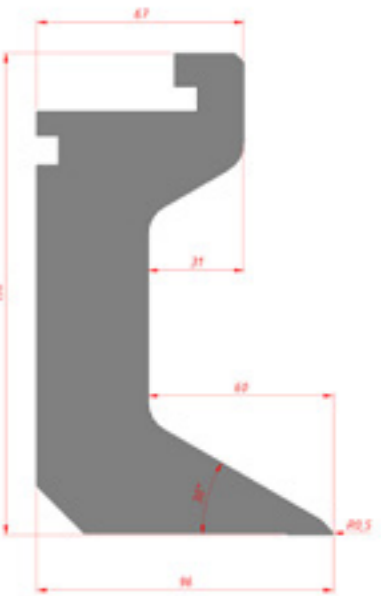
Folding beam tools



Bottom beam tools



Sharp nose tool



Goat foot tool

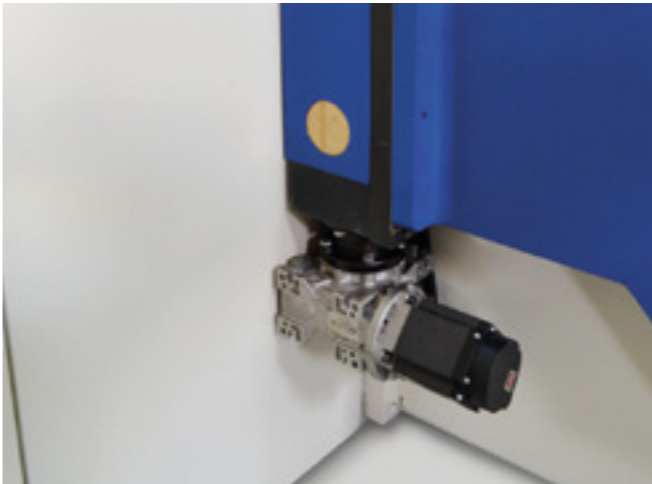
MFAS

Combi CNC Servo Folder



Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Axis Speed (Y° / Z / X mm) /sn	Motor Power (Y / Z / X) (kW)	Dimensions W / L / H (mm)	Weight (kg)
MFAS 2040	2050	4	3	6	85 / 60 / 200	2×3 / 2×3 / 0,75	2500/3550/2100	5700
MFAS 2535	2550	3,5	2,5	5	85 / 60 / 200	2×3 / 2×3 / 0,75	2500/4050/2100	6300
MFAS 3230	3200	3	2	4	85 / 60 / 200	2×3 / 2×3 / 0,75	2500/4750/2100	7100
MFAS 4225	4200	2,5	1,5	3,5	85 / 60 / 200	2×3 / 2×3 / 0,75	2500/5750/2100	8050

STANDARD FEATURES



Each axis on the machine is servo motor driven.



250 mm stroke capacity on 180° rotating combi clamping beam with 2 tooling stations as 120 mm high segmented goat foot tools on station 1 and 20° single piece sharp nose tool on station 2.



Led function lights.



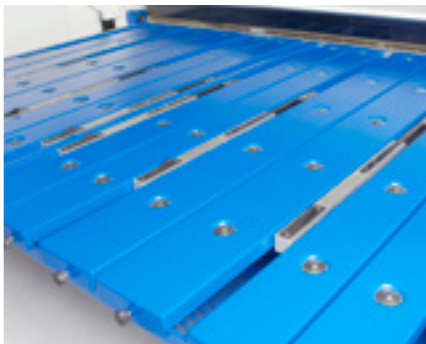
3 swtich control foot pedal.



Manual crowning system.



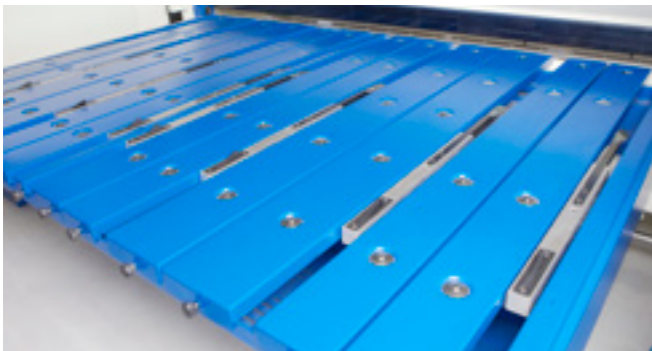
Front light barriers.



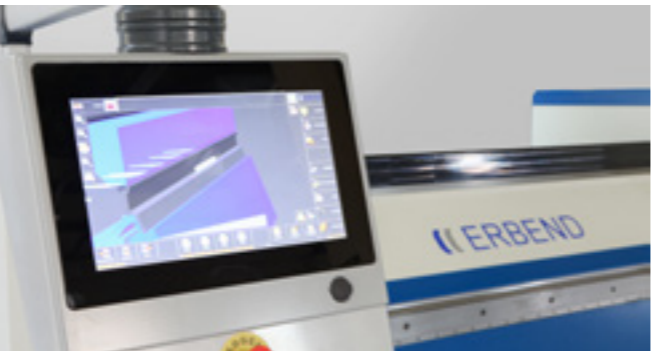
1300 mm motorized back gauge and sheet support table with ball casters.



Erfold Basic CNC line by line controller software on 15.4" touchscreen controller with swivel arm.



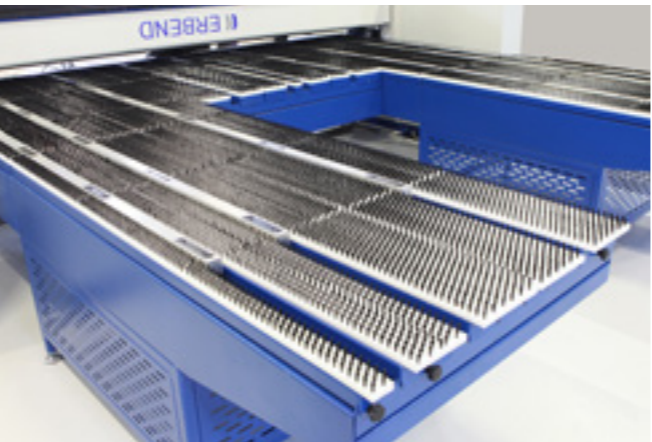
2000 / 3000 / 4000 mm motorized back gauge system with sheet support table.



Erfold Advanced / 3D CNC graphic control software on 15.6 " touchscreen controller with swivel arm.



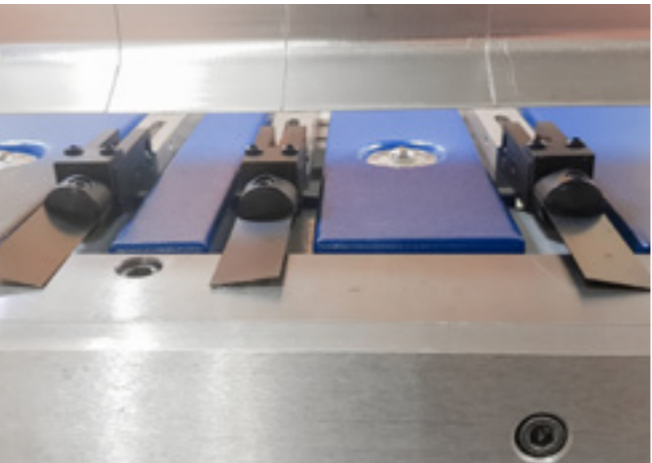
L shape back gauge system (metal or with brushes).



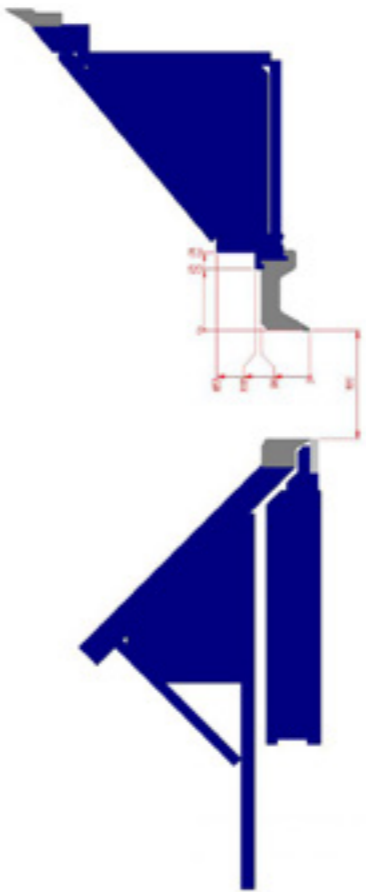
U shape back gauge system (metal or with brushes).



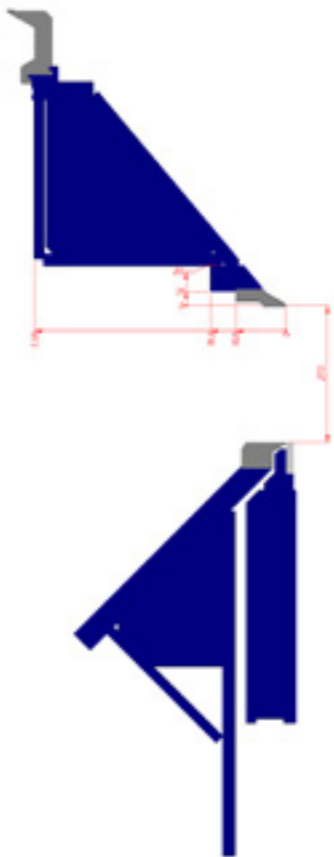
Stainless steel backgauge table covers.



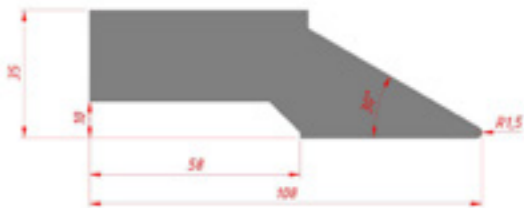
Solid lower beam tool and feather grooves.



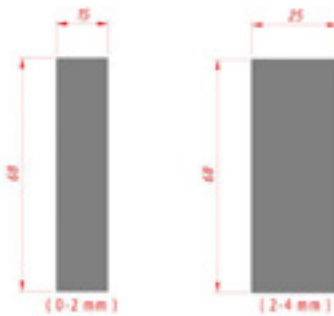
Beam geometry with goat foot



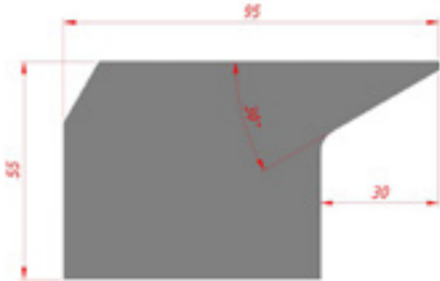
Beam geometry with sharpnose



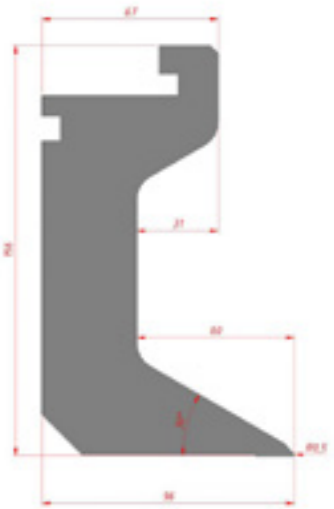
Sharp nose tool



Folding beam tools



Bottom beam tools



Goat foot tool

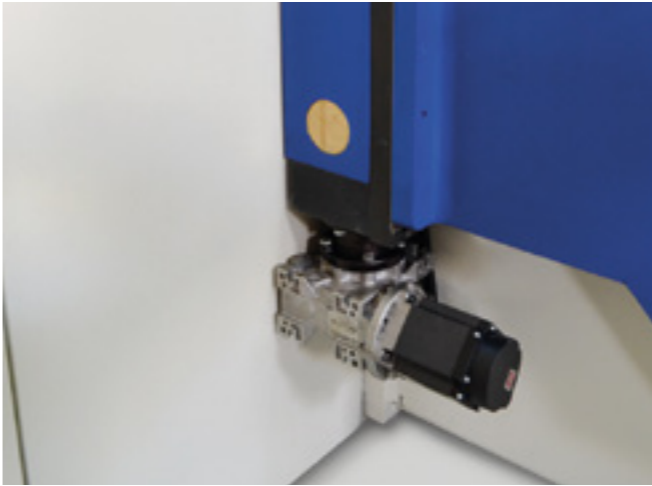
SFA

CNC Servo Folder

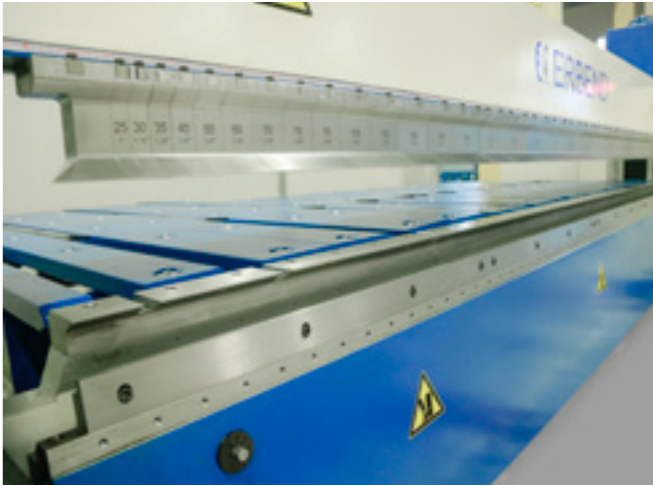


Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Axis Speed (Y / Z / X mm) /sn	Motor Power (Y / Z / X) (kW)	Dimensions W / L / H (mm)	Weight (kg)
SFA 2050	2050	5	3,5	7	85 / 60 / 200	2X3 / 2X3 / 0,75	2300/3750/2100	5950
SFA 2545	2550	4,5	3	6,5	85 / 60 / 200	2X3 / 2X3 / 0,75	2300/4250/2100	6650
SFA 3240	3200	4	3	6	85 / 60 / 200	2X3 / 2X3 / 0,75	2300/4950/2100	7200
SFA 4230	4200	3	2	4,5	85 / 60 / 200	2X3 / 2X3 / 0,75	2300/5950/2100	8150

STANDARD FEATURES



Each axis on the machine is servo motor driven.



Clamping beam with 350 mm stroke capacity and 170 mm high, segmented goat foot tools.



Front light barriers.



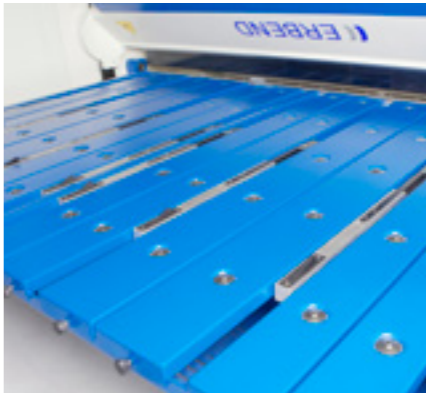
Led function lights.



Manual crowning system.



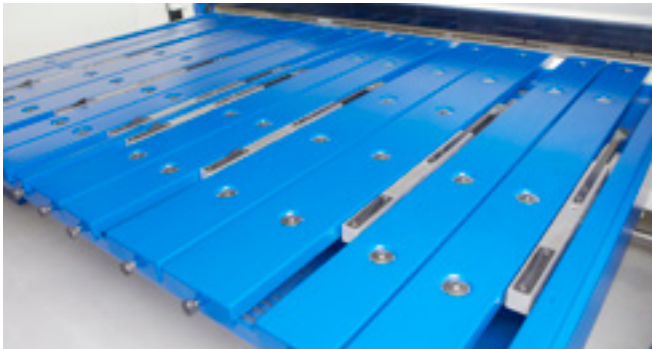
3 switch control foot pedal.



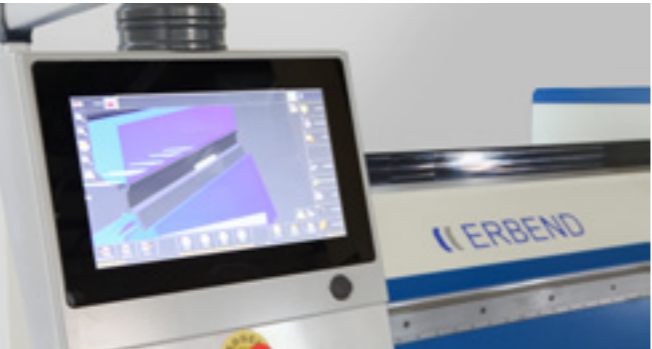
1300 mm motorized back gauge and sheet support table with ball casters.



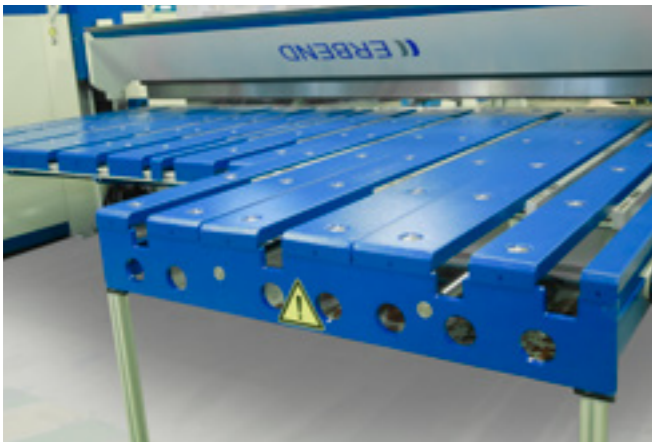
Erfold Basic CNC line by line control software on 22" touchscreen controller with swivel arm.



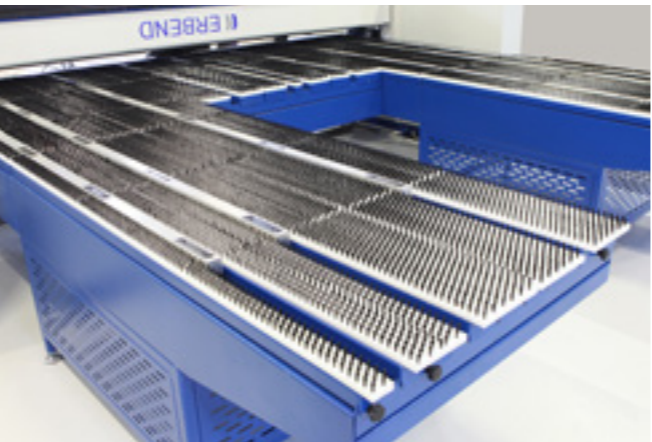
2000 / 3000 / 4000 mm motorized back gauge system and sheet support table.



Erfold Advanced / 3D CNC graphic control software on 22" touchscreen controller with swivel arm.



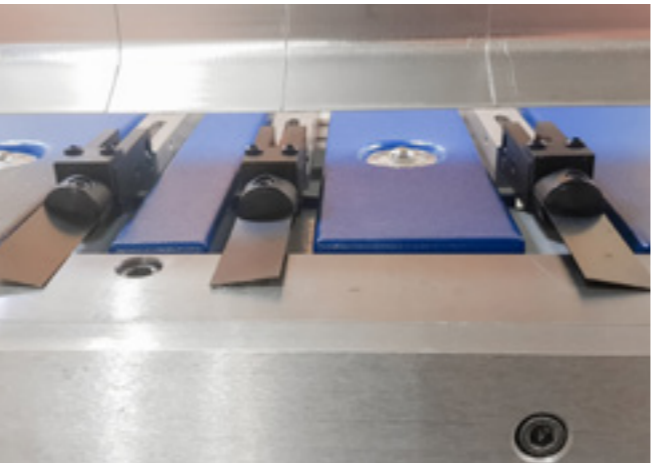
L shape back gauge system (metal or with brushes).



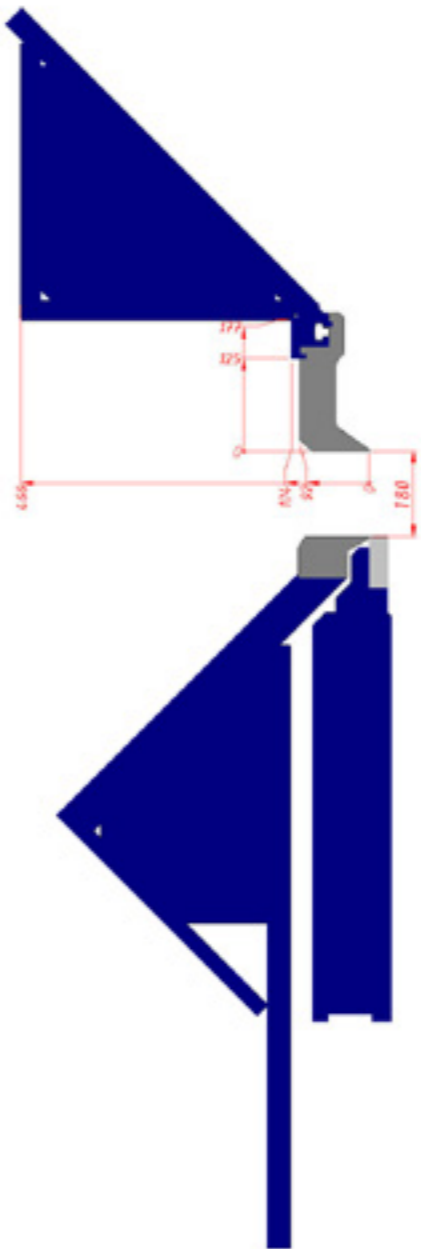
U shape back gauge system (metal or with brushes).



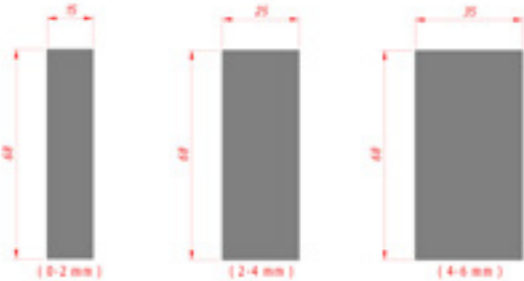
Stainless steel backgauge table covers.



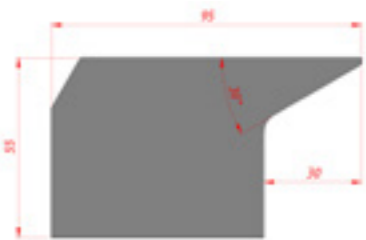
Solid lower beam tool and feather grooves.



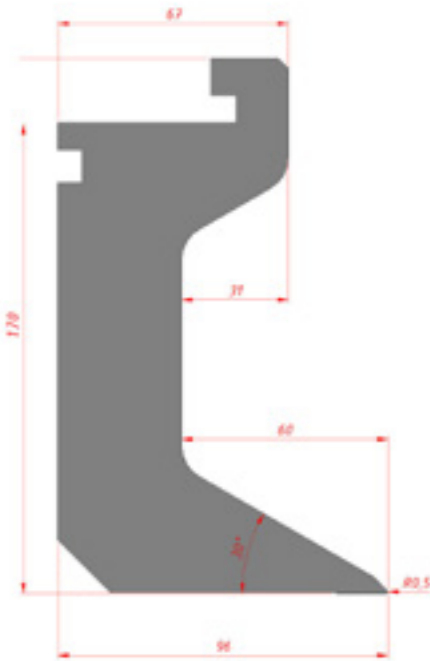
Beam geometry with goat foot



Folding beam tools



Bottom beam tools



Goat foot tool

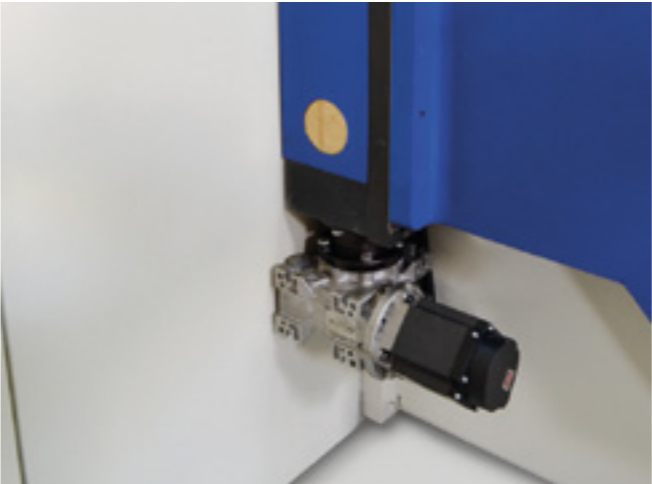
SFC

Combi CNC Servo Folder



Model	Sheet Length (mm)	Steel (mm)	Stainless (mm)	Aluminium (mm)	Axis Speed (Y° / Z / X mm) /sn	Motor Power (Y / Z / X) (kW)	Dimensions W / L / H (mm)	Weight (kg)
SFC 3240	3200	4	3	6	85 / 60 / 200	2X3 / 2X3 / 0,75	2500/4950/2100	7300
SFC 4230	4200	3	2	4,5	85 / 60 / 200	2X3 / 2X3 / 0,75	2500/5950/2100	8250

STANDARD FEATURES



Each axis on the machine is servo motor driven.



180° rotating clamping beam with 350 mm stroke capacity and 2 tooling stations as 170 mm high segmented goat foot tools on station 1 and 20° single piece sharp nose tool on station 2.



Front light barriers.



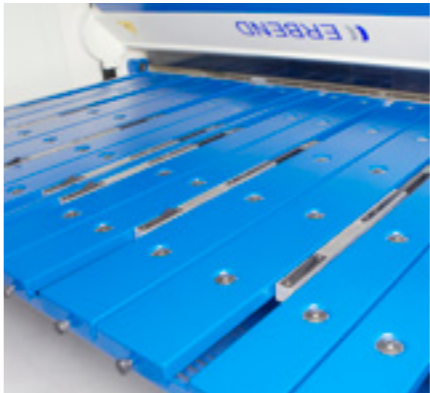
Led function lights.



Manual crowning system.



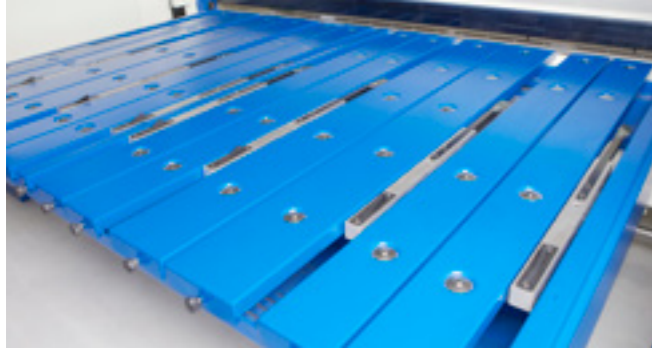
3 switch control foot pedal.



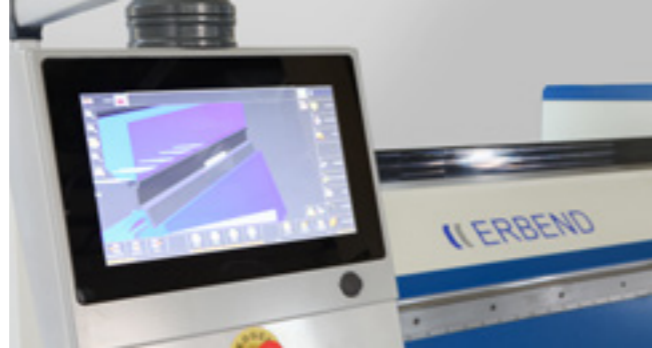
1300 mm motorized back gauge and sheet support table with ball casters.



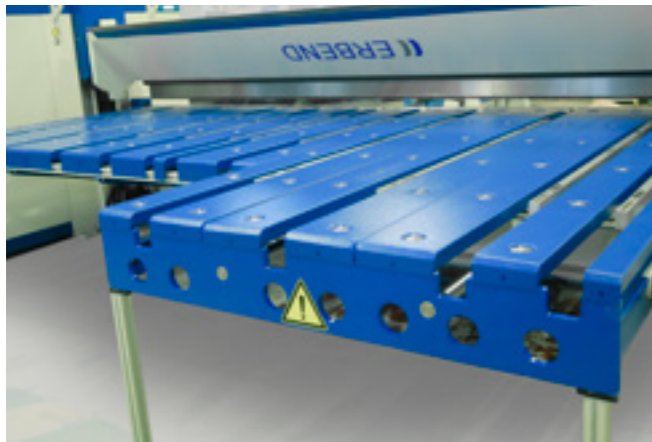
Erfold Basic CNC line by line control software on 22" touchscreen controller with swivel arm.



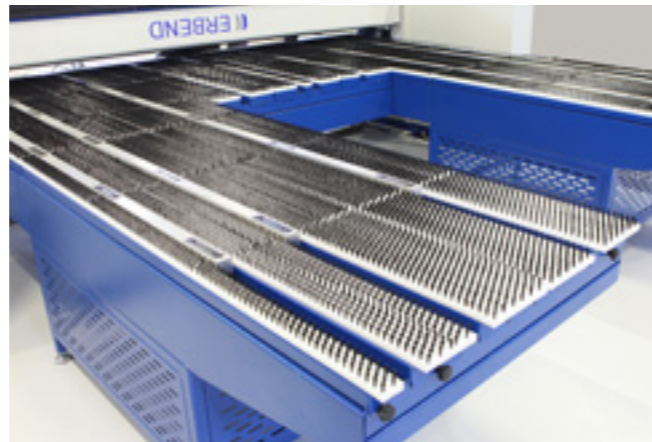
2000 / 3000 / 4000 mm motorized back gauge system and sheet support table.



Erfold Advanced / 3D CNC graphic control software on 22" touchscreen controller with swivel arm.



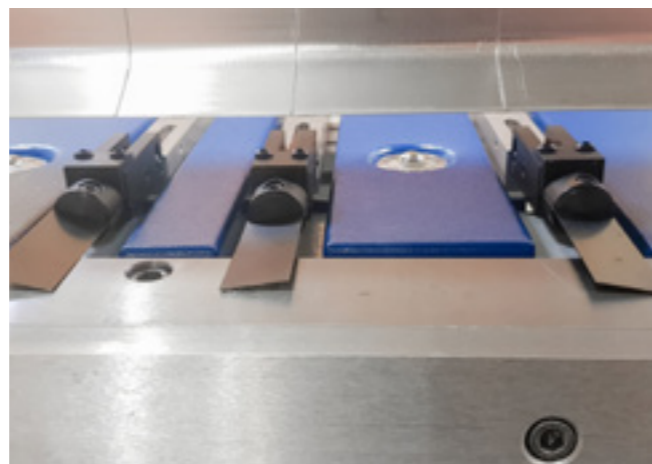
L shape back gauge system (metal or with brushes).



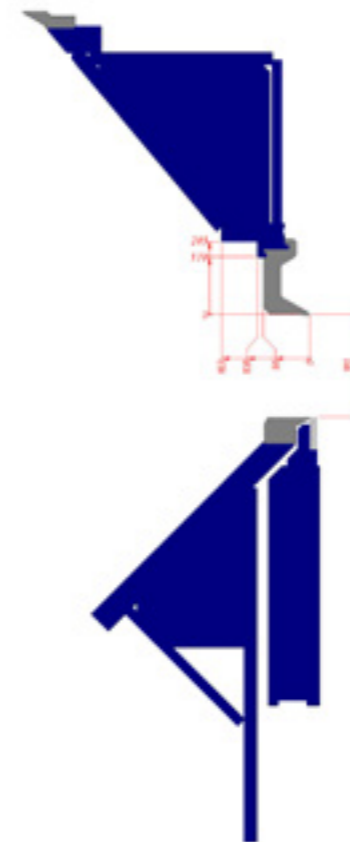
U shape back gauge system (metal or with brushes).



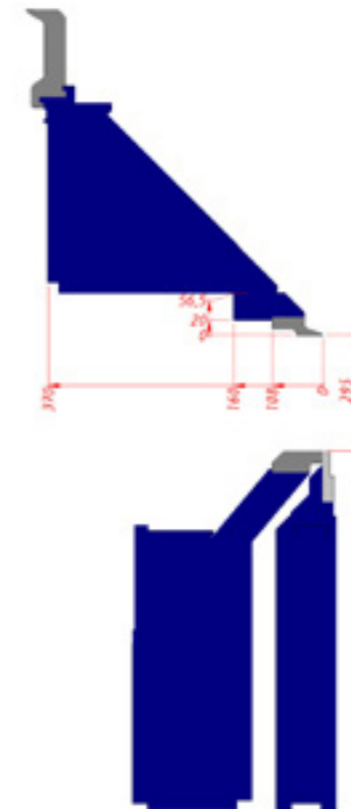
Stainless steel backgauge table covers.



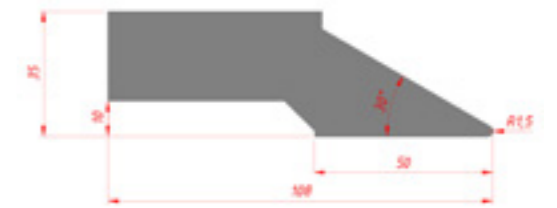
Solid lower beam tool and feather grooves.



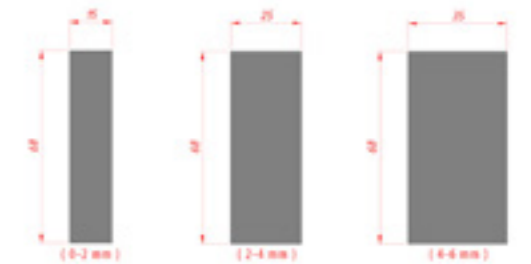
Beam geometry with goat foot



Beam geometry with sharp nose



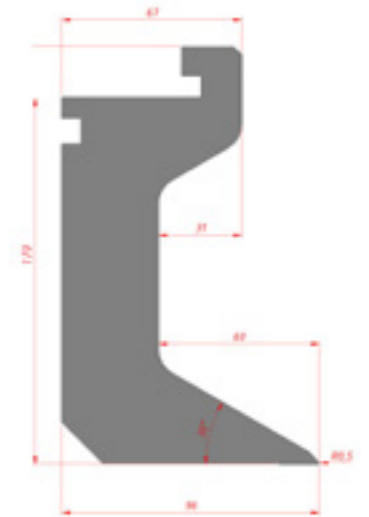
Sharp nose tool



Folding beam tools



Bottom beam tools



Goat foot tool

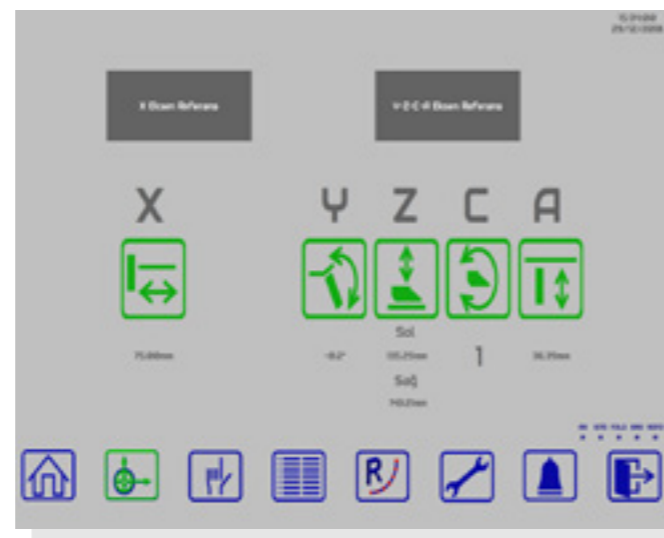
SOFTWARE

ERFOLD BASIC

CNC LINE BY LINE CONTROL SOFTWARE

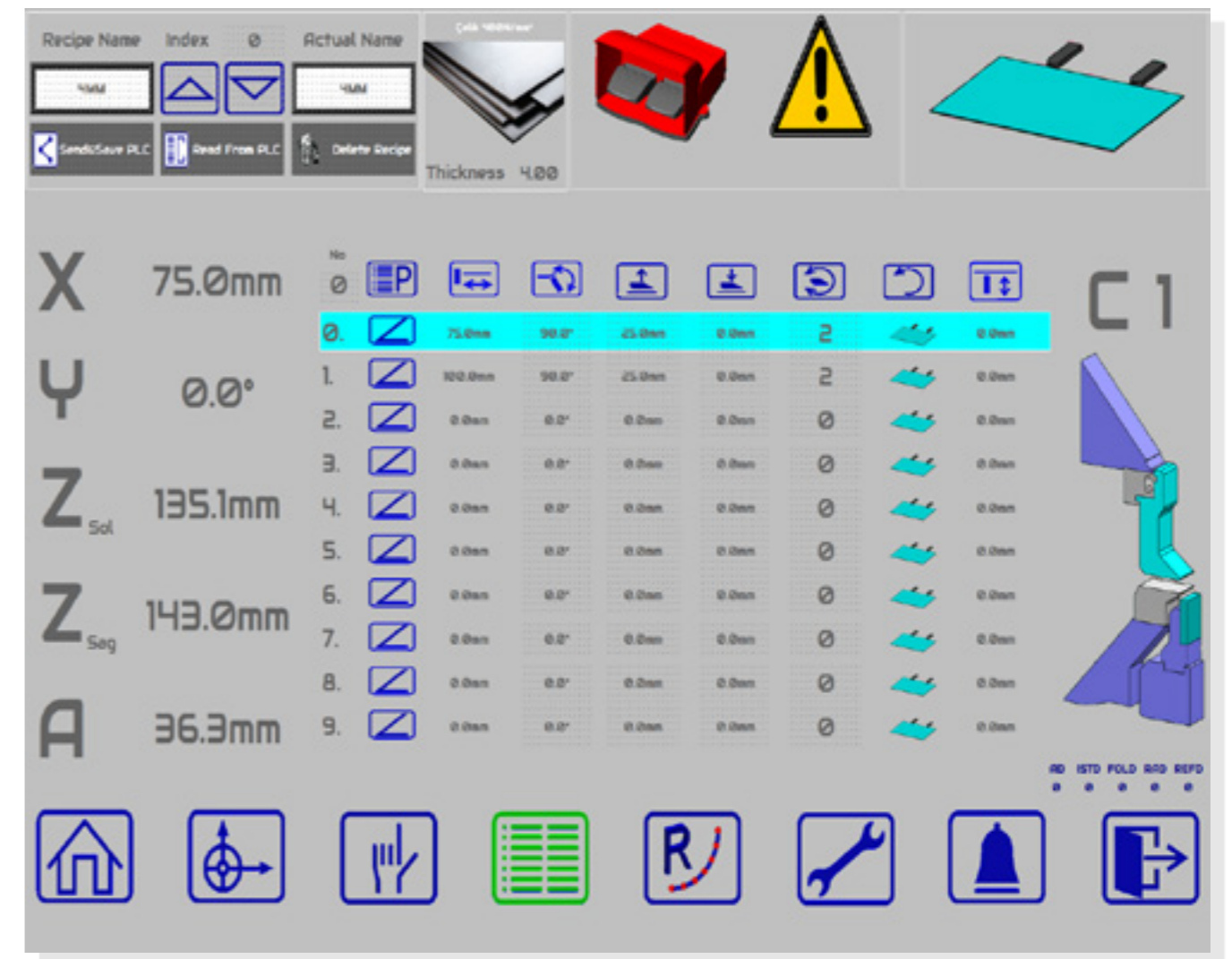
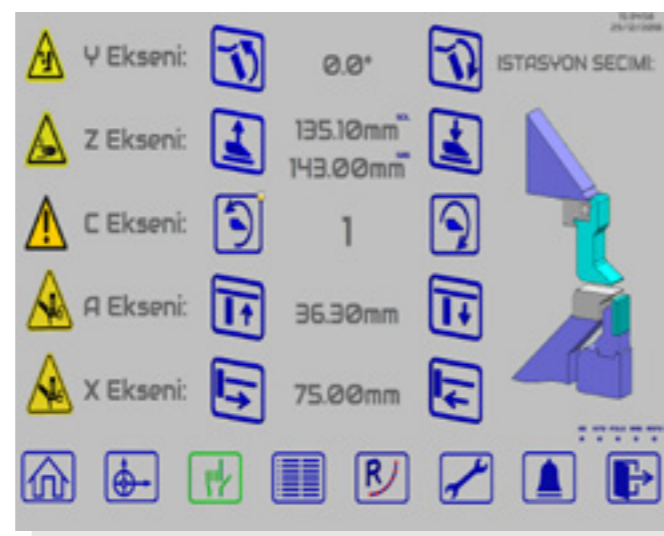
Zero reference setting page.

This is the page where you send all axes to their zero reference positions. You can see the symbols of the axes and also numerically real positions on the page.



Manual Mode

Manual mode page, you can adjust all axis positions manually and see the real values on the screen of X,Y,Z and A axis. You must choose the type of tool before you start moving the axes in order to prevent any crush/damage on the beams.



Programming Mode

In program mode, you can create your bending programme by entering numeric values for back gauge position (flange length), folding angle, clamping beam up or down positions as line by line. You can save and also choose pre edited programmes. This page has more details like sheet turn/rotate command, piece counter and more bending steps so it is defined as main production screen of the machine.

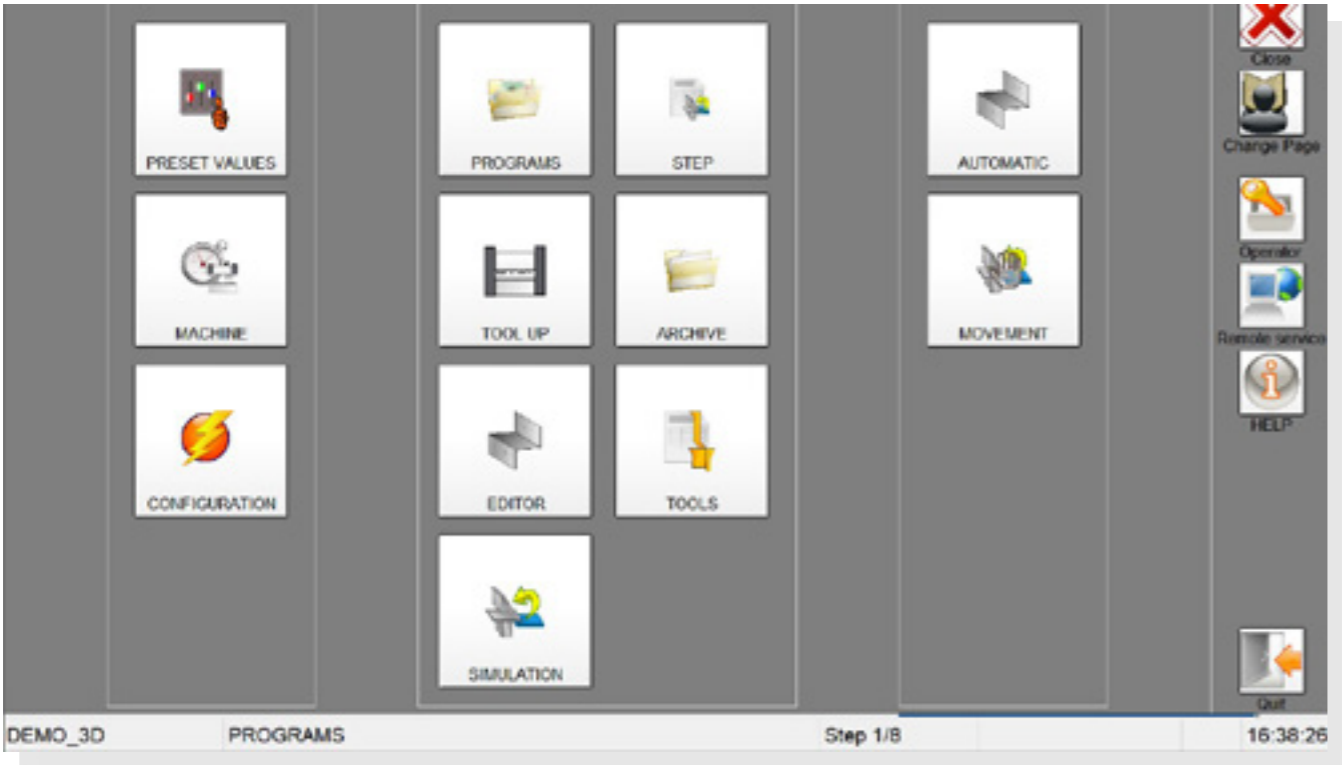
Alarm & Log Screen

This is the screen where all paramaters and settings of the machine are shown and adjusted. Can only be used by an authorized personnel with a special pasword.

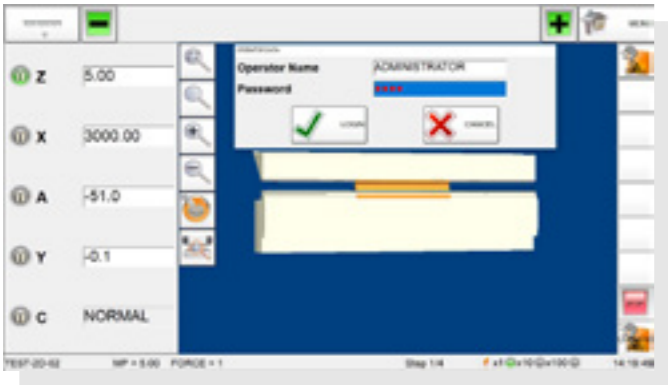


ERFOLD ADVANCED is the ultimate cnc graphic controller software specifically designed for ERBEND motorized folding machines which provides a full and modern control capability to its user with various solutions and user friendly interface for any kind of folding operations.

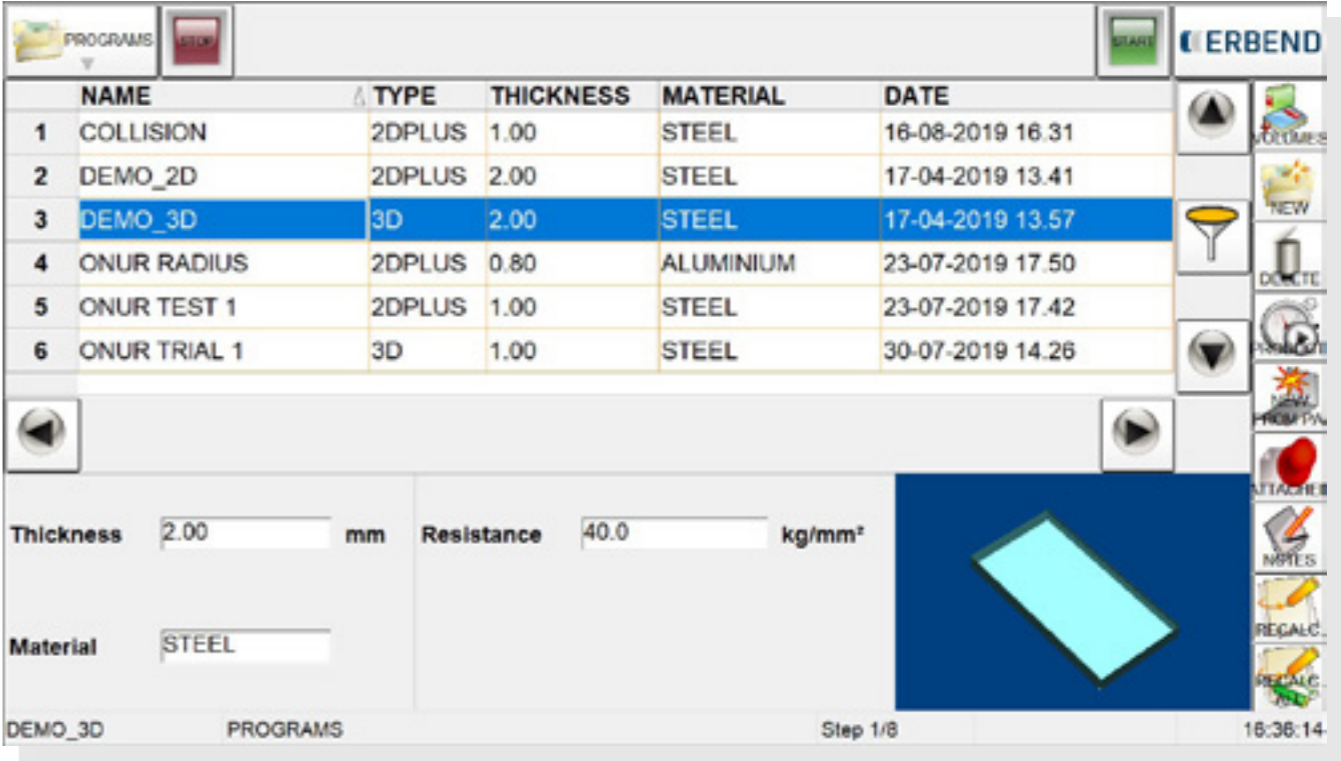
- 15.6" or 22" tft panel capacitive touchscreen all-in one industrial pc controller on swivel arm.
- 16 GB hard disk space which allows you to save unlimited part or tool data.
- All main worldwide languages are supported



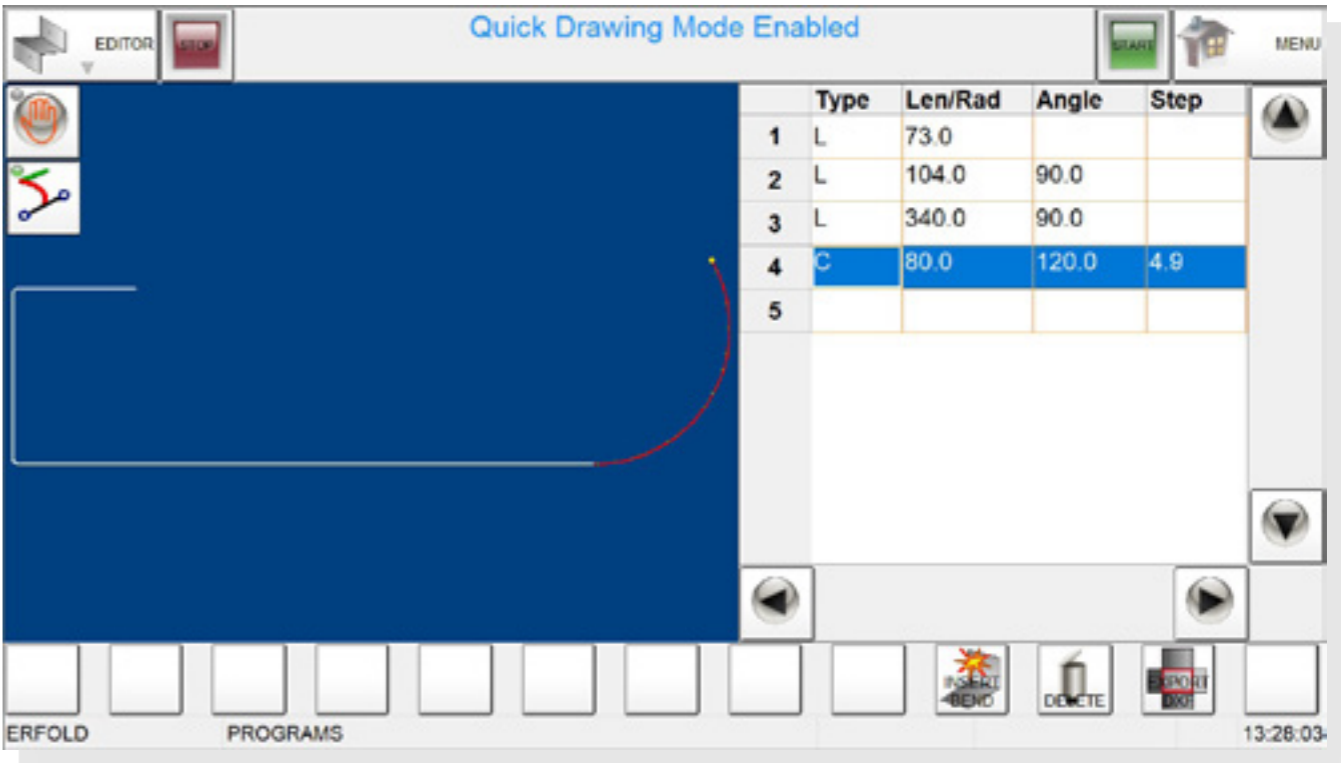
Main menu view



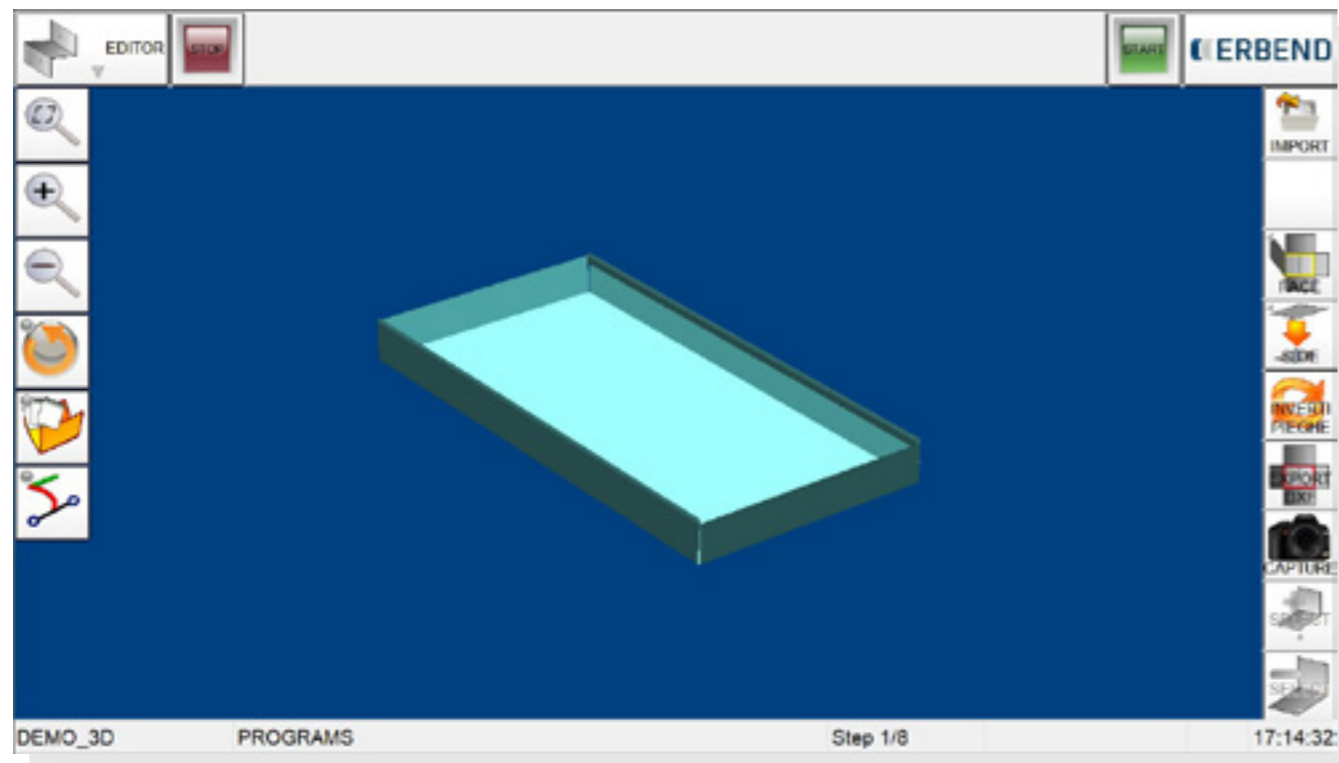
Admin user authorization is protected by special password.



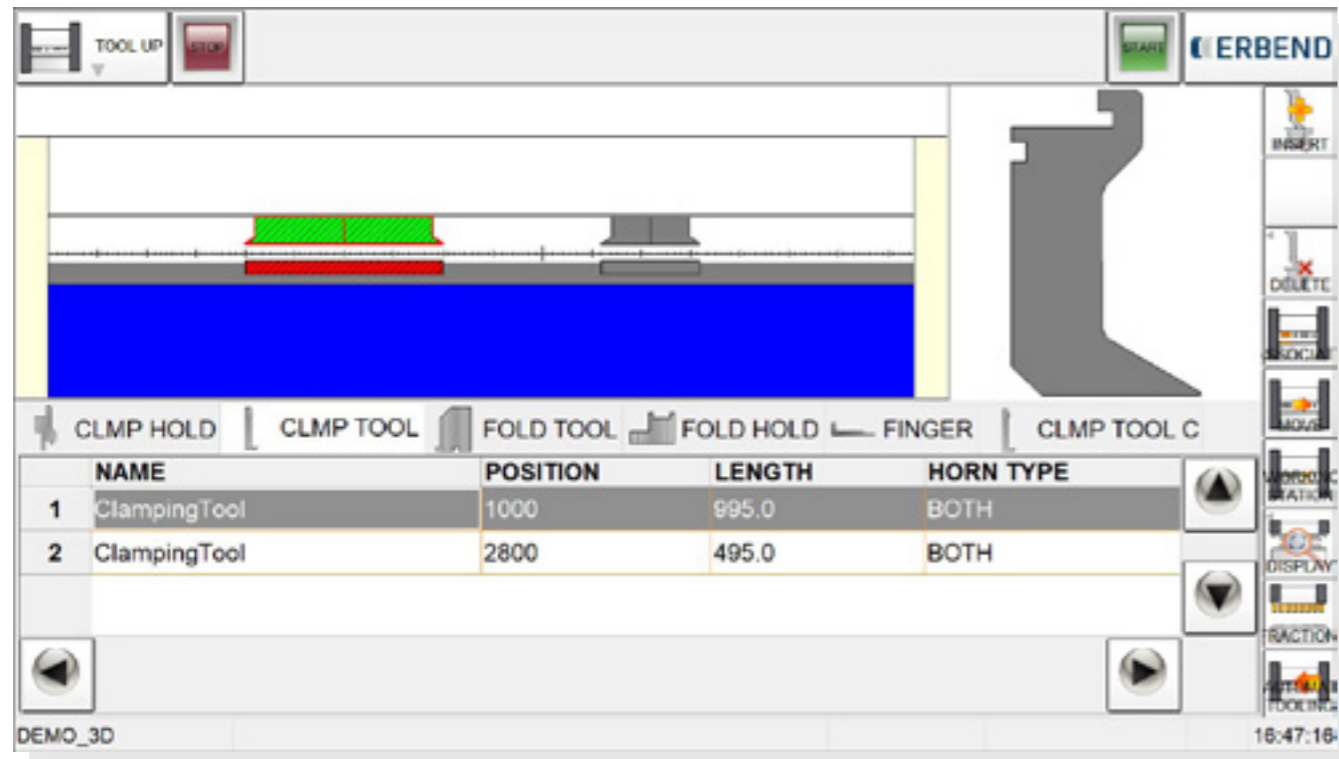
Programs Menu: You can create a new part or select pre-programmed parts from the list, you can select or edit the existing part's material type,thickness or sheet width.



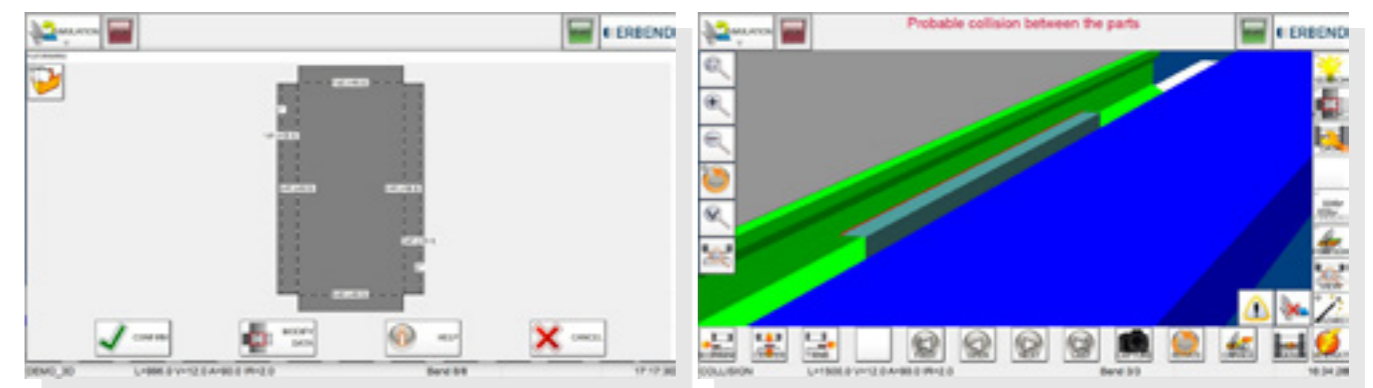
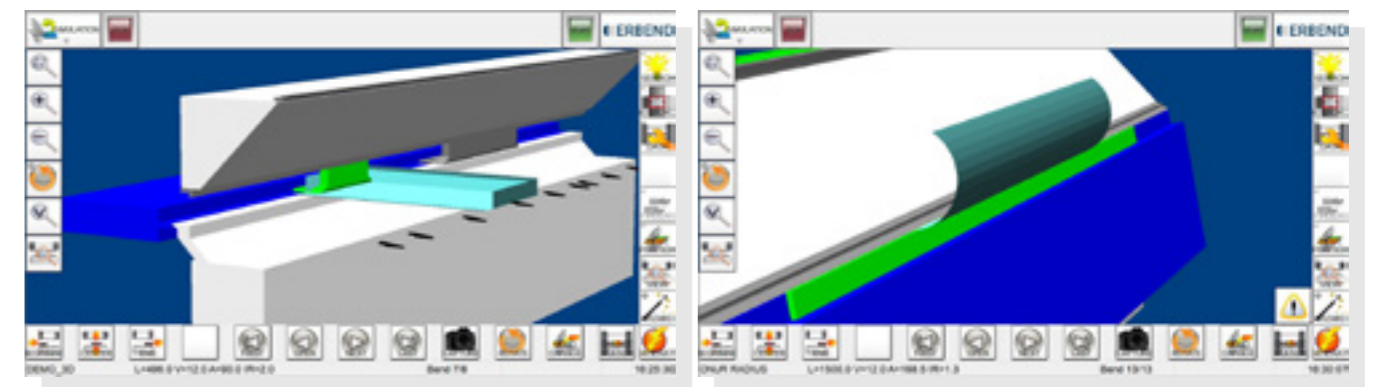
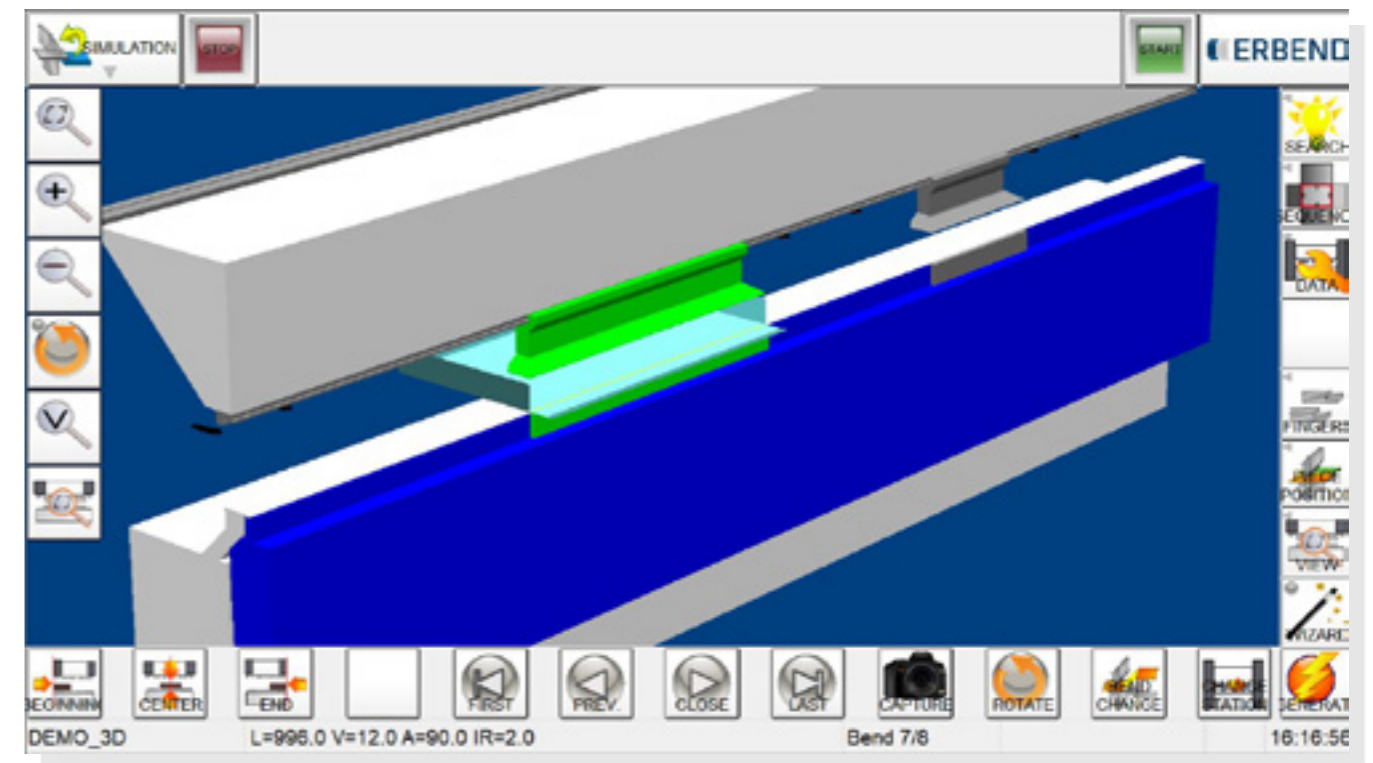
2D Editor: You can create a new bending programme by drawing and design line by line and by giving required dimensions and visualize it in 2D view. You can create standard bends, radius bends or open/ closed hemming bends.



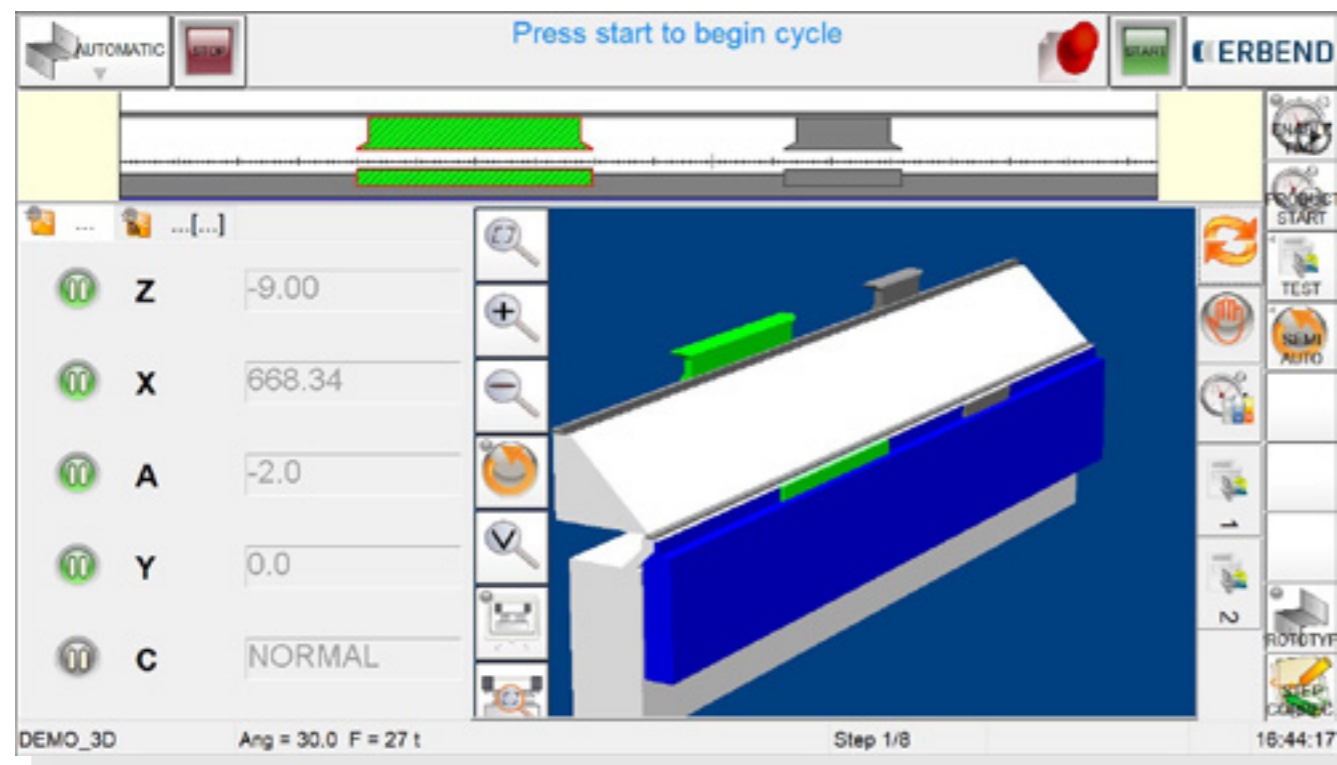
3D Editor (only available in ERFOLD ADVANCED 3D): You can draw the part in 3D view or you can import your part as DXF /STEP/IGS file by importing over an offline pc software. You can create standart flange bendings or open / closed hemming bends.



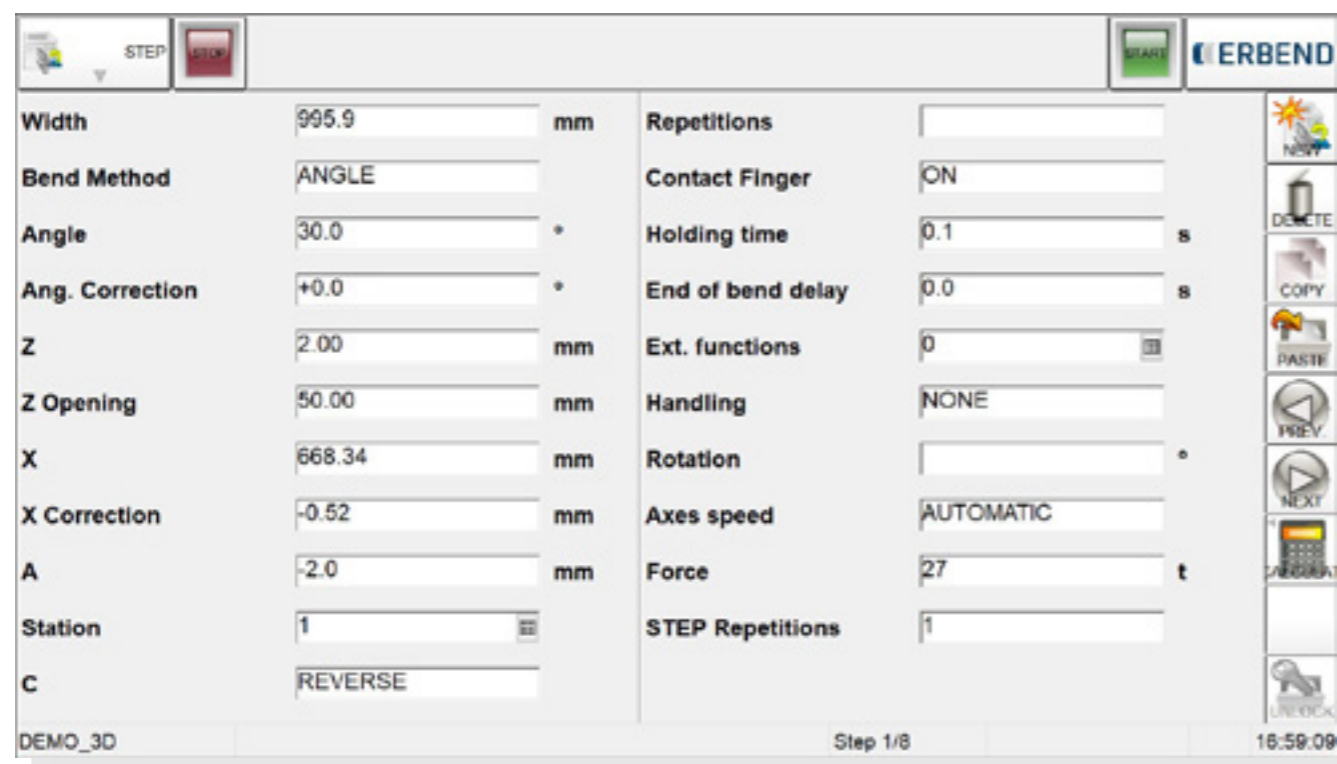
Tool Up Menu: You can do your tool setup easily by manual choice or by automatic tooling, you can determine different stations for different bends. In 3D version you can also import your tool data in STEP/IGES format and introduce your new tool to the machine.



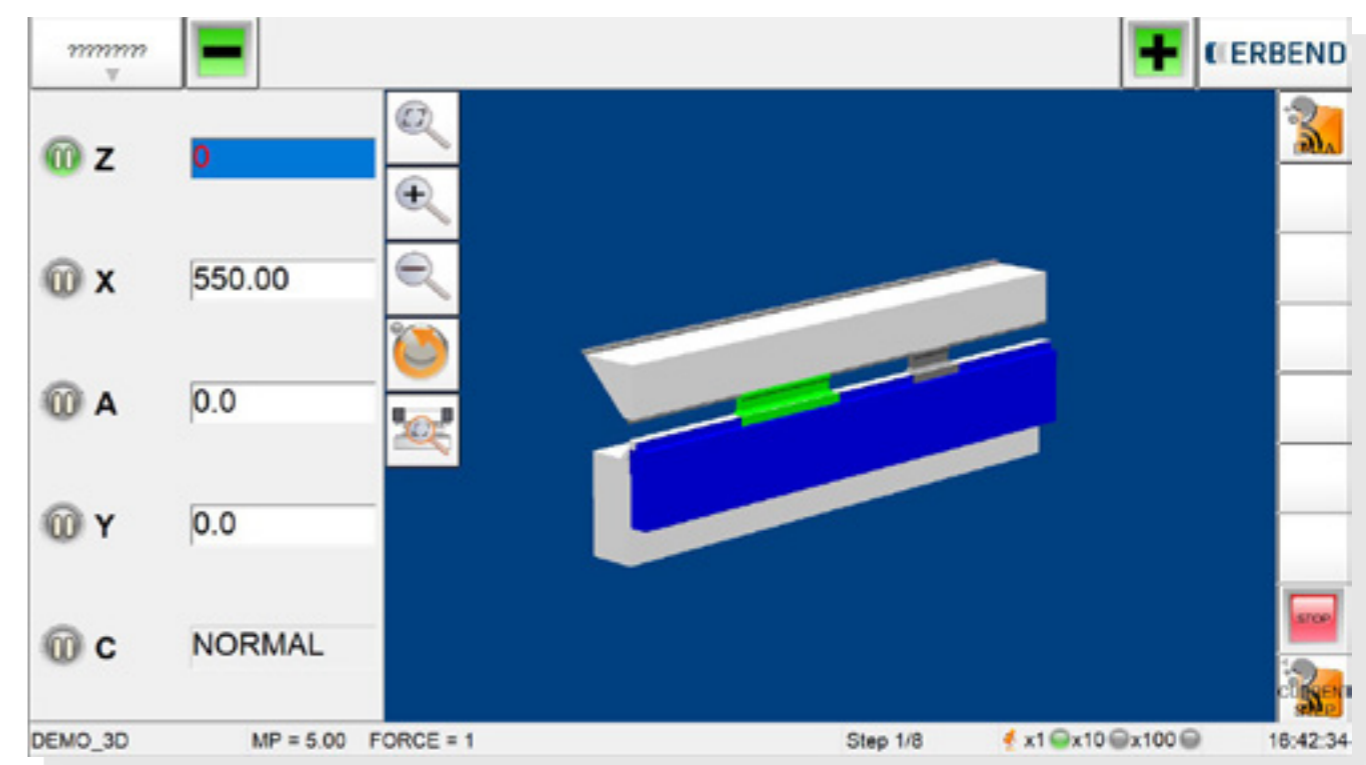
Simulation Mode: You can simulate the bending scenario of the part and check if you have any collisions to decide to change the part dimensions, tool setup or bending sequence of the part if needed.



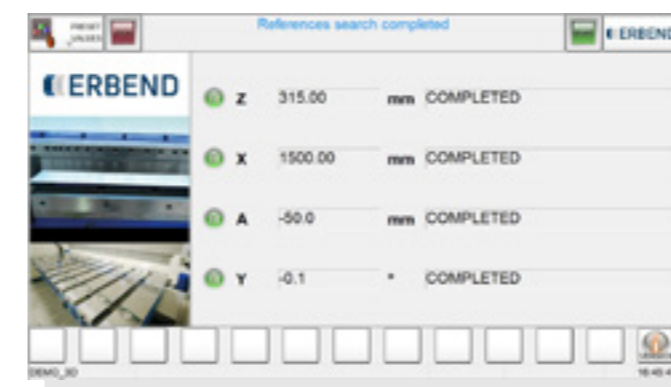
Auto Cycle - Production Mode: While you are running your pre-edited part's production, you can see the situation of the part in 3D and also machine axis target / actual positions in numeric value on the screen. You can also activate timer, piece counter or repetition for any kind of bend or part programme.



Step Data Mode: If you don't want to work with graphic or auto cycle mode, you can create a new bending programme by entering numeric values line by line or you can edit your pre-arranged data by changing axis movement like upper beam opening between the steps, bending beam angle correction or back gauge position correction and intervene the existing programme according to the material springback or shortening results.

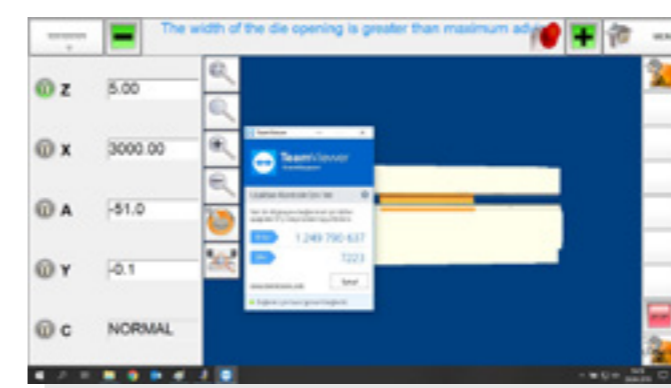


Movement / Manual Control Mode: You can control the machine axis manually and individually to calibrate them one by one if needed.



Axis Reference / Calibration/Preset Mode:

You can send all of your machine axes to their home positions automatically before starting a new part programme



Remote Service Connection: When you connect your machine to the internet, it is enough just to click the remote service button and tell your teamviewer ID to our service to let us check and diagnose your machine remotely in case of a problem.



ERBEND

MAKİNA SANAYİ VE TİCARET A.Ş.

Çalı Mah. Sarıyerler Cad. No:34/1, 16275

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