

PBXT Hydraulic Press Brake

The Morgan Rushworth PBXT CNC press brakes are fitted with the ESA S 875 CNC control featuring a 21" touch screen and both numerical and 2D graphical program entry.

These models feature 4-axis CNC control of the left and right ram cylinders, the back gauge depth and back gauge height. The range covers models from 110 tonnes through to 320 tonnes capacity with bending lengths of 3,100mm and 4,100mm in the standard design.

A comprehensive range of options are available to fully tailor the machine to requirements.



FEATURES & BENEFITS



**110 TO 320
TONNE
CAPACITY**



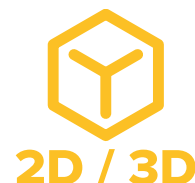
**3100 TO 4100MM
BENDING
LENGTHS**



**SECTIONALISED
EURO STYLE
TOP TOOL**



**MULTI VEE
EURO STYLE
BOTTOM DIE**



**2D OR 3D
PROGRAM
ENTRY**



**4 TO
10-AXIS CNC
CONTROL**



Backgauge Fingers



Euro Style Quick Release Tooling



Foot Pedal Control



ESA S 875 Controller

Machine Features

- ESA S 875 multi-axis CNC control with numerical and 2D graphical programming and 2D or 3D visualisation, mounted on pendant arm
- Fully synchronised CNC control of left and right upper beam cylinder position – Y1 + Y2 axis
- CNC control of back gauge depth – X axis
- CNC control of back gauge height – R axis
- AKAS laser tooling guards for enhanced ease of use
- Strong rigid welded mono block o-frame able to withstand deflection under maximum load
- Large open height and generous ram stroke
- High approach and return speeds for production bending
- Front support arms with flip stop, adjustable on a linear rail
- Dual foot switch console with emergency stop
- Electrically interlocked side guards
- Electrically interlocked rear access door

Optional Equipment

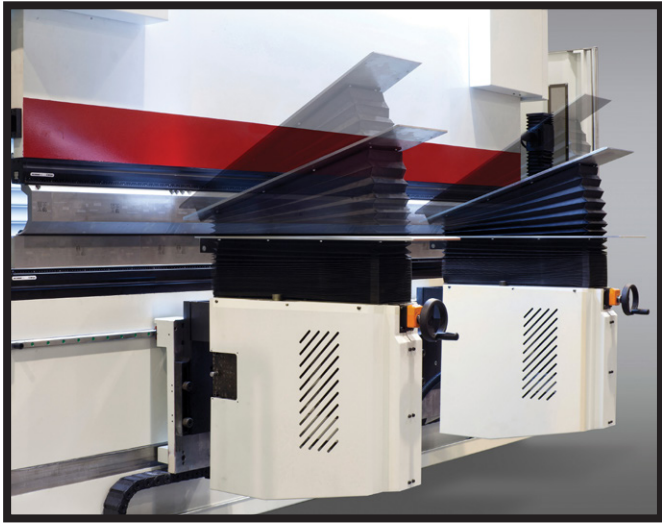
- Delem DA66T 2D graphical touchscreen CNC control
- Delem DA69T 3D graphical touchscreen CNC control
- Optional off line ESA Bend 3D Software with Control Viewer
- Independent CNC control of side to side movement of back gauge fingers – Z1 + Z2 axis
- Independent CNC tower back gauge system – X1 + R1 + Z1, X2 + R2 + Z2
- Laser angle measurement system with live feedback to CNC control
- Manual bottom tool crowning system with position counter
- CNC bottom tool crowning system
- Quick release top tool clamping system
- Wila Hydraulic top and bottom tool clamping system
- Additional back gauge fingers
- Additional front support arms
- Brush table for front support arms
- CNC sheet follower support arms
- Parking area for sheet follower support arms – one per side



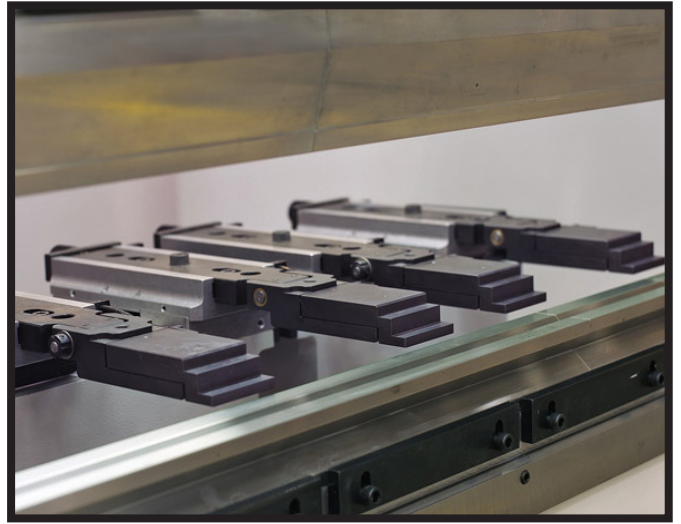
Light Guards



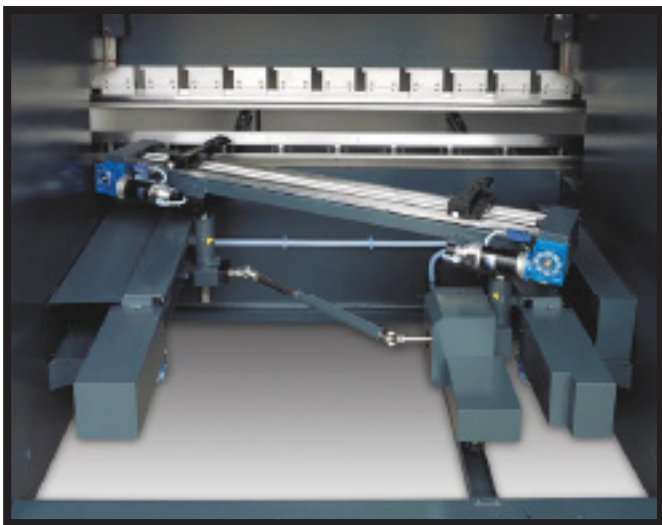
O-Frame Design



Sheet Follower Support Arms
(Optional)



Additional Backgauge Fingers
(Optional)



X1+X2, R1+R2, Z1+Z2 CNC Backgauge
(Optional)



Independent Tower Backgauge
(Optional)



WILA Hydraulic Tool Clamping
(Optional)



DELEM DA66T
CONTROL
(OPTIONAL)

DELEM DA69T
CNC CONTROL
(OPTIONAL)





Sheet Support Arms



Integrated LED Downlighting

TECHNICAL SPECIFICATIONS

MODEL	Tonne Bending Power	Bending Length mm	Distance Between Columns mm	Y Rapid Speed mm/sec	Y Working Speed mm/sec	Y Return Speed mm/sec	Number of Backgauge Fingers	Number of Sheet Support Arms	Oil Tank Capacity Litres	Motor Power kW	Stroke mm	Daylight mm	Promecam Adaptor mm	Table Height mm	Table Width mm	Length mm	Width mm	Height mm	Weight kg
PBXT CNC 3100/110	110	3,100	3,100	160	10	130	2	2	140	11	260	460	80	885	60	4,175	2,155	2,850	9,000
PBXT CNC 3100/130	130	3,100	3,100	160	10	130	2	2	210	15	260	460	80	885	60	4,175	2,155	2,850	9,700
PBXT CNC 3100/190	190	3,100	3,100	150	10	130	2	2	210	18.5	260	460	80	885	60	4,195	2,155	2,855	10,200
PBXT CNC 3100/240	240	3,100	3,100	130	10	120	2	2	210	22	260	460	80	885	90	4,195	2,155	2,855	10,400
PBXT CNC 3100/320	320	3,100	3,100	130	10	110	2	2	280	30	320	580	80	1020	90	4,215	2,335	3,260	12,500
PBXT CNC 4100/190	190	4,100	4,100	160	10	110	2	2	210	18.5	260	460	80	885	90	5,220	2,155	2,900	12,900
PBXT CNC 4100/240	240	4,100	4,100	150	10	100	2	2	210	22	260	460	80	885	90	5,220	2,155	2,900	13,300
PBXT CNC 4100/320	320	4,100	4,100	130	10	110	2	2	280	30	320	580	80	1020	90	5,250	2,335	3,260	15,500

