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**MORGAN RUSHWORTH PB CNC 4100/200 HYDRAULIC PRESS BRAKE**

The Morgan Rushworth PB CNC press brakes are fitted with the easy to use Cybelec Cybtouch 8 CNC control with simple numerical program entry using a high contrast touch screen. Single bends are quickly entered using the EasyBend function or multi bend parts can be fully programmed. The PB CNC models feature 2-axis CNC control of the bending ram and back gauge depth with a mechanical torsion bar system ensuring ram parallelism across the two bending cylinders. These machines follow a rigorous design and manufacturing process to ensure minimum deflection of the machine frame under maximum working pressure. AKAS laser tooling guards are standard and offer a vastly improved operator experience without compromising safety.

All PB CNC models are supplied with sectionalised euro style top tools and a one piece multi vee bottom die. The range covers models from 40 tonnes through to 300 tonnes capacity with bending lengths from 1250mm up to 4100mm and can be supplied with a number of options including a manual crowning system and additional back gauge fingers.

## FEATURES

- Cybelec CybTouch 8 CNC control with numerical programming, mounted on a pendant arm
- CNC control of upper beam position – Y axis
- CNC control of back gauge depth – X axis
- Manual adjustment of back gauge height – R axis
- Manual side to side movement of back gauge fingers – Z axis
- Back gauge fingers with fine depth adjustment, adjustable laterally on a linear rail
- Euro style top tool holders with intermediates including wedges for crowning
- Sectionalised goose neck top tool and one piece multi vee bottom die
- Bottom tool wedge crowning system
- AKAS laser tooling guards for enhanced ease of use
- Strong rigid welded mono block frame able to withstand deflection under maximum load
- Ram parallelism controlled by mechanical torsion bar system
- Ram stroke controlled by precision mechanical stops with independent adjustment
- Hydraulic ram travel guided in low friction slide ways
- Large open height and generous ram stroke
- Reinforced throat in side frames
- Height adjustable front support arms with flip stop, adjustable laterally on a linear rail
- Dual foot switch console with emergency stop
- Electrically interlocked side guards
- Electrically interlocked rear access door

## OPTIONS

- Manual bottom tool crowning system with position counter
- Quick release top tool clamping system
- Additional back gauge fingers
- Additional front support arms

## TECHNICAL INFORMATION

|                                 |        |                 |
|---------------------------------|--------|-----------------|
| MODEL                           |        | PB CNC 4100/200 |
| Bending Power                   | tonne  | 200             |
| Bending Length (Over Tooling)   | mm     | 4100            |
| Bending Length (Between Frames) | mm     | 3550            |
| Y Axis Approach Speed           | mm/sec | 100             |
| Y Axis Bending Speed (Maximum)  | mm/sec | 8               |
| Y Axis Return Speed             | mm/sec | 75              |
| X Axis Travel                   | mm     | 750             |
| No of Back Gauge Fingers        |        | 4               |
| No of Front Support Arms        |        | 2               |
| Stroke                          | mm     | 150             |
| Daylight                        | mm     | 510             |
| Throat Depth                    | mm     | 410             |
| Table Height                    | mm     | 880             |
| Table Width                     | mm     | 200             |
| Oil Capacity                    | litre  | 260             |
| Motor Power                     | kW     | 15              |
| Length                          | mm     | 5300            |
| Width                           | mm     | 2200            |
| Height                          | mm     | 2520            |
| Weight                          | kg     | 14500           |

OTHER IMAGES

