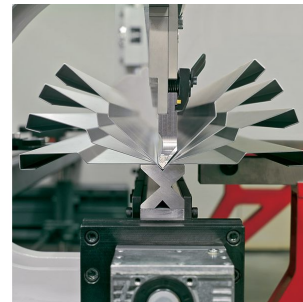


## Morgan Rushworth PBS CNC 3100/160 Hydraulic Pressbrake

Stock Code: M5048



The new Morgan Rushworth PBS CNC hydraulic pressbrakes are fitted with the new ESA CNC controller to enable off line programming from PC. Multi bend operations with complex forms can thus be effectively managed reducing operator error and over or under bending. The Y1 and Y2 axis are fully synchronised and accurate to 0.01mm with proportional valve technology. Monoblock welded steel frame ensures minimum deflection under maximum load. The AKAS laser tool guards are now standard and ensure a vastly improved operator experience. A comprehensive range of options including anti deflection tables are available to fully 'tailor' the machine to customer requirements.



## Features

- Strong rigid welded Monoblock frame able to withstand deflection under load.
- AKAS laser tooling guards.
- User friendly ESA CNC system with 2D auto bend sequence computations and large tool library.
- Full off line 2D graphical view programming software which can be transferred to the controller with USB flash disc.
- Ideal for multi bending of complex operations, especially where volume production with accurate repeatability is required.
- Bend accuracy at least five times higher than conventional pressbrakes.
- Fully synchronised Y1 and Y2 axis, accurate to 0.01mm with proportional valve technology.
- Hydraulic ram travel guided in low friction slideways.
- Fast CNC backgauge with AC servo drive.
- Euro style top clamps with intermediaries and quick release tool clamps.
- Sectionalised goose neck top tool.
- Sectionalised multi vee bottom die.
- High stroke and daylight opening.
- Deep throat design
- Two front support arms on adjustable linear rail
- Dual foot switch console with emergency stop.
- Swivelling pendant arm.
- Rear guard with photo cell safety beam.
- Ventilated electrical cabinet.

## Options

- Manual anti deflection table
- CNC anti deflection table
- S560 2D colour graphical CNC touch screen controller
- Extra backgauge fingers

## Technical Specification

| MODEL  | PBS CNC<br>3100/160 |
|--|---------------------|
| Bending power tonnes                             | 160                 |
| Bending length mm                                | 3100                |
| Distance between columns mm                      | 2550                |
| Y rapid speed mm/sec                             | 100                 |
| Y working speed mm/sec                           | 7.7                 |
| Y return speed mm/sec                            | 80                  |
| Travel in X axis mm                              | 1000                |
| Speed of X axis (Standard AC axes) mm/sec        | 350                 |
| Travel in R axis mm                              | 160                 |
| Operational speed of dynamic Servo R axes mm/sec | 240                 |
| No of backgauge finger blocks                    | 2                   |
| No of sheet support arms                         | 2                   |
| Oil capacity Ltr                                 | 210                 |
| Motor power kW                                   | 15                  |
| Stroke mm  | 260                 |
| Daylight mm                                      | 530                 |
| Throat depth mm                                  | 410                 |
| Table height mm                                  | 890                 |
| Table width mm                                   | 60                  |
| Machine width mm                                 | 1600                |
| Length mm  | 4350                |
| Height mm  | 2905                |
| Weight kg  | 9700                |