Sydney: (02) 9890 9111
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Product Brochure For G250

Precision Auto Hydraulic Surface Grinder - BMT-4080AH

860 x 450mm Table Travel
Includes AD5 Auto Control

Ex GST	Inc GST
$59,950.00	$65,945.00



ORDER CODE:	G250
MODEL:	BMT-4080AH
AD5 Controller:	Yes
Magnetic Chuck Size (mm):	800 x 400
Longitudinal Table Traverse - Maximum (mm):	860
Cross Table Traverse - Maximum (mm):	450
Table Bed Size (mm):	~
Spindle To Table - Maximum (mm):	550 (Optional 650)
Wheel Diameter (mm):	405
Wheel Thickness (mm):	~
Wheel Bore (mm):	~
Vertical Increment Graduations (mm):	0.005
Vertical Graduations Per Revolution (mm/rev):	2
Cross Increment Graduations (mm):	0.02
Cross Graduations Per Revolution (mm/rev):	5
Spindle Motor (kW / hp):	3.75 / 5
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	3500

Description

Manufactured in Taiwan

When it comes to surface grinding the Bemato BMT-4080AH Automatic AD5 controlled machine is in a class above the rest in precision, quality, accuracy and functionality, this unique machine is accepted and is recognised in the majority of engineering companies' worldwide.

Special design features to improve the finish of your work piece is the Programmable AD5 control, allowing operator to work on other projects or jobs whilst machine is in automatic mode. This also has additional functions for rough grinding, finish grinding, spark-out and head will rapid return automatically when programme has finished. Also incorporated within the unit is an electromagnetic chuck with electronic demagnetise.

NOTE: Larger models also available on special order request

Features

- Optimized Structure:
- The major parts are manufactured from high quality cast iron combined with an outstanding structural design. These parts have been stress relieved to ensure maximum rigidity, stability, minimize vibration and maintain machining accuracy

- Precision Spindle Design:
- The spindle runs in a class P4 high precision angular contact bearing, assuring run out accuracy in 2?m. The cartridge-type spindle is completely sealed and lubricated for long working lifetime, providing high accuracy grinding and a long service life.

- Turcite-B on Slideways:
- The X,Z axis slideways have been specially coated with a durable turcite-B to minimise friction between slides and to provide long life accuracy

- Automatic Pressure Lubrication:
- This system lubricates the slide-ways and screws with a timer adjustment providing optimum machine conditions

- AD5 NC Auto Down Feed:
- Automatic down-feed AD5 control and rapid UP/DOWN system standard on Bemato models are a 3 axis fully automated for greatly increasing operational convenience
- Plunge and surface grinding
- Cross & vertical micro incremental feed 0.001mm
- 2-step grinding procedure: roughing - finishing
  Rapid auto return to home positions

- Pre-set spark out

Includes

- Electromagnetic chuck with demagnetise,
- Balancing arbor
- Balancing stand
- Parallel dresser
- Coolant system with magnetic separator
- Wheel flange
- LED Work light
- AD5 control

Optional Accessories

- Dust suction with coolant system
- Magnetic separator with coolant system
- Magnetic separator and dust suction with coolant system
- Auto. paper strip filter with coolant system
- Auto. paper strip filter and magnetic separator with coolant system

Specific Features


Auto Lubrication Pump


Programmable AD5 Controller


Coolant Pump Tank & Magnetic Separator


Cross Feed Dial


Fine Feed Height Adjustment Dial


Hydraulic Table Feed Control


Hydraulic Unit


LED Work Light

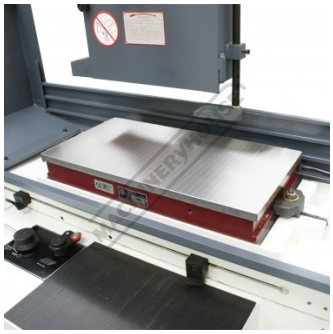
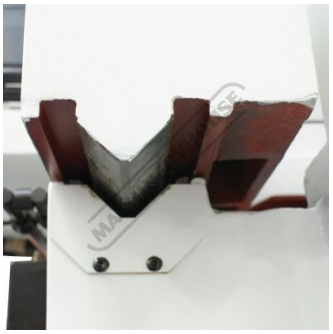

Electro Magnetic Chuck


Table Direction Micro Switches


Large Table Vee Slide with Turcite B Coating


Micro Adjustment Wheel Dresser

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Recommended Accessories

C300
Magnetic Chuck



C302
Magnetic Chuck



C306
Magnetic Chuck



C308
Magnetic Chuck

