

Product Brochure For G248

## BMT-3060AH - Precision Auto Hydraulic Surface Grinder

670 x 340mm Table Travels  
 Includes AD5 Auto Control

**Back In Stock Soon**

Ex GST

Inc GST

**\$40,990.00    \$45,089.00**



ORDER CODE:	G248
MODEL:	BMT-3060AH
AD5 Controller:	Yes
Magnetic Chuck Size (mm):	600 x 300
Longitudinal Table Traverse - Maximum (mm):	670
Cross Table Traverse - Maximum (mm):	340
Table Bed Size (mm):	~
Spindle To Table - Maximum (mm):	500 (Optional 600)
Wheel Diameter (mm):	355
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):	1950



### Description

Manufactured in Taiwan

When it comes to surface grinding the Bemato BMT-3060AH 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

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- Pre-set spark out

### Includes

- Electromagnetic chuck with demagnetise,
- Balancing arbor
- Balancing stand
- Parallel dresser
- Coolant system
- Wheel flange
- 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



Cross Feed Dial



Fine Feed Height Adjustment Dial



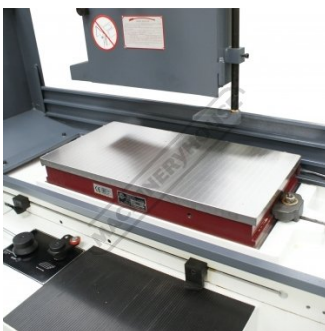
Hydraulic Table Feed Control



Hydraulic Unit



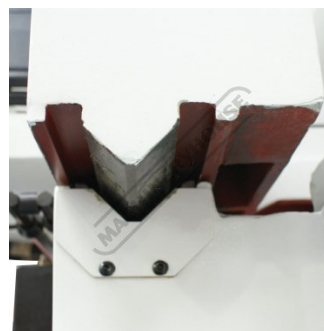
Work Light



Electro Magnetic Chuck



Table Direction Micro Switches



Large Table Vee Slide with Turcite B Coating



Micro Adjustment Wheel Dresser

**Recommended Accessories**

C300  
Magnetic Chuck

C302  
Magnetic Chuck

C306  
Magnetic Chuck

C308  
Magnetic Chuck

