

Product Brochure For G244

Precision Auto Hydraulic Surface Grinder - BMT-2550AH

550 x 270mm Table Travel
 Includes AD5 Auto Control

Ex GST **Inc GST**
\$36,450.00 **\$40,095.00**



| | |
|---|--------------------|
| ORDER CODE: | G244 |
| MODEL: | BMT-2550AH |
| AD5 Controller: | Yes |
| Magnetic Chuck Size (mm): | 500 x 250 |
| Longitudinal Table Traverse - Maximum (mm): | 550 |
| Cross Table Traverse - Maximum (mm): | 270 |
| Table Bed Size (mm): | ~ |
| Spindle To Table - Maximum (mm): | 500 (Optional 600) |
| Wheel Diameter (mm): | 205 |
| 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): | 1.5 / 2 |
| Voltage / Amperage (V / amp): | 415 |
| Nett Weight (kg): | 1550 |



Description

Manufactured in Taiwan

When it comes to surface grinding the Bemato BMT-2550AH 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
- LED Work light
- AD5 control

Optional Accessories

- Micro feed for vertical travel
- Micro feed for cross travel
- 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



Front View



Right View



Grinding Wheel Enclosure Guard



Grinding Wheel with Coolant System



Wheel Dresser with Micro Adjustment



Auto Lubrication Pump



Coolant Pump and Tank



Programmable AD5 Controller



Cross Feed Dial



Fine Feed Height Adjustment Dial

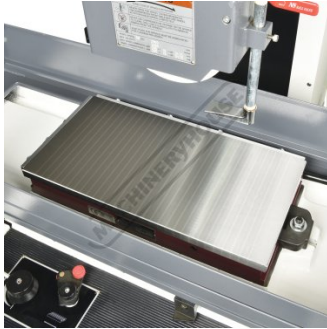


Hydraulic Table Feed Control



LED Work Light

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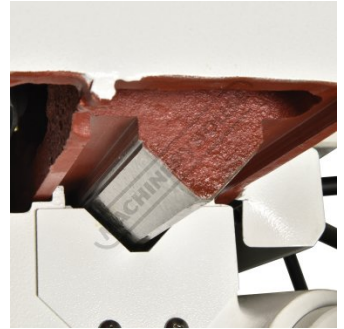
Electromagnetic Chuck Top View



Electromagnetic Chuck



Table Direction Adjustable Stops



Large Table Vee Slide with Turcite B Coating



Hydraulic Unit



Table Direction Hand Wheel

Recommended Accessories

C300
 Magnetic Chuck

C302
 Magnetic Chuck

C306
 Magnetic Chuck

C308
 Magnetic Chuck

