Auckland: (09) 2717 234
Christchurch: (03) 741 6241

sales@machineryhouse.co.nz
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Product Brochure For G244

Precision Auto Hydraulic Surface Grinder - BMT-2550AH

550 x 270mm Table Travel
Includes AD5 Auto Control

Ex GST	Inc GST
$44,470.00	$51,140.50



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
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):	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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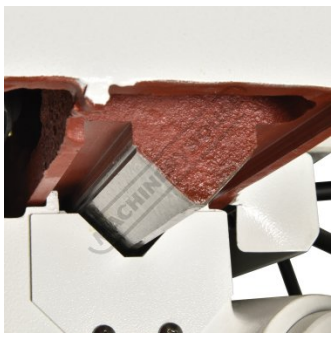
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Electromagnetic Chuck Top View


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







