# ZB1640W SURFACE GRINDER

**Features:**

- *Z axis 0.001mm minimum feed rate (Dial 0.001mm division)*
- *Auto cross minimum feed rate 0.001mm*
- *25mm Dia Y Axis Ballscrew*
- *Proximity Sensor for Longitudinal Movement*
- *Automatic Machine Stop when grinding completed*
- *Rapid Up/Down Button*
- *Oil Tank*

| Model | ZB1640W |
|---|---|
| Working Surface of Table | 406 × 1020mm |
| Max. Table Travel | 1130mm |
| Max. Cross Travel | 450mm |
| Distance Between Table Surface and Spindle Center | 580mm |
| Max. Table Load | 600kg |
| T-Slot (Number × Width) | 3 x 14mm |
| Table Speed | 5~25m/min |
| **Crossfeed Handwheel** | |
| 1 Grad | 0.001mm (MPG) |
| 1 Rev | 0.1-1mm |
| Automatic Crossfeed Rate | 1-18mm |
| Crossfeed Speed | 0-1000mm/min |
| Grinding Wheel Dimensions | 350 × 40 × 127mm |
| **Spindle Speed** | |
| 50Hz | 1450rpm |
| 60Hz | 1745rpm |
| **Vertical Handwheel** | |
| 1 Grad | 0.001mm (MPG) |
| 1 Rev | 0.1-1mm |
| Automatic Down Feed Rate | 0.001-0.01mm |
| Power Head Increment | 1000mm/min |
| Spindle/Quill Assembly Dia | 120mm |
| Spindle Motor | 4kW |
| Coolant System | 125w |
| Hydraulic Motor | 2.2kW |
| Transverse Servo Motor | 1kW |
| Vertical Servo Motor | 0.6kW |
| Floor Space | 4400 × 2400mm |
| Machine Dimensions | 3050 x 2270 x 2210mm |
| Net Weight | 3600kg |

**Standard Accessories:**

- PLC Model SIMATIC S7-200 SMART CPU ST30
- Siemens Touch Screen
- 2 Axis DRO 1 micron
- Fine Pole Electromagnetic Chuck
- Parallel Overhead Wheel Dresser
- Magnetic Separator
- LED Light
- Grinding Wheel Cover
- Magnetiser/Demagnetiser
- Semi Enclosed Guard
- Oil Tank with Guard
- 3 Color Alarm Light for grinding end
- Levelling Wedge
- Balancing Stand and Arbor
- Tool Box
- Operation Manual

**Optional Accessories:**

- Paper Filter
- Paper Filter System with Magnetic Separator
- Dust Suction System
- Radius Dresser
- Sine Vice
- Precision Toolmaker Vice

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.