

## IS BUILT TO FULFILL THE IDEA OF

- Greater accuracy
- Longer accuracy life
- Advanced surface roughness
- Higher productivity
- Easier to operate
- Heavy duty grinding

# YSG-1224 · 1228 AH/AHD

# YSG-1632 · 1636 · 1640 AH/AHD

## FEATURES

### ■ RIGID CONSTRUCTION

Heavy, extra rigid castings are used for the main parts to assure accuracy at full capacity of grinder.

### ■ BUILT FOR PRECISION

Extra-wide table supports provide superior rigidity and accuracy on long work pieces. X & Z slide ways are coated with "turcite B" and precision hand scraped. Wheel spindle is supported at each end by duplex ball bearings which are sealed for life. Entire spindle unit is replaceable as a cartridge.

### ■ ADVANCED HYDRAULIC CIRCUIT DESIGN

Improved hydraulic circuit provide vibration-free reversing motion of table, easier to handle the table by handwheel, when table speed is switched off.

### ■ AUTOMATIC LUBRICATION

The lubrication oil is pump to every slide way all the time whenever the main power switch is on. A safety alarm will actuated when the lubricating function is not working.

### ■ COMPLETE DUST PROTECTION

All slide ways and electrical switch box are sealed from dust, chips and coolant for easy maintenance and longer life of the machine.

### ■ PRECISION CROSS FEED

A precision ball screw is adopted to provide accurate positioning and easy operating of cross movement.

### ■ PRECISION DOWN FEED

A precision ground vertical lead screw and transmission gears unit are to provide accurate down feed.

### ■ ANTI-DUST AND WATER-PROOF DESIGN

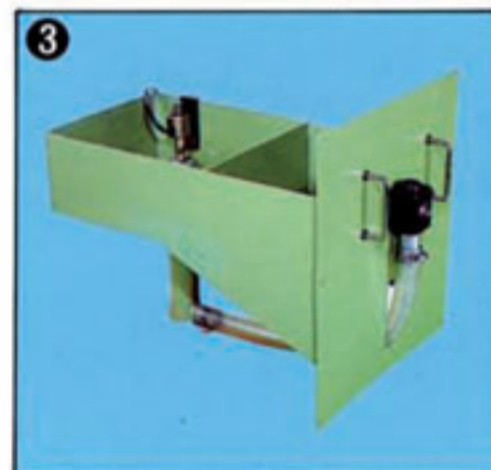
All the slideway and electrical cabinet are well protected free from dust and water to assure the longer accuracy life.

### ■ TABLE HYDRAULIC FEED

Speed range from low of 1 m/min to high of 25 m/min (3fpm-83fpm) provides easy operation of the machine.

### ■ AUTOMATIC CROSS FEED

A combination of precision ball screw and a timing belt drive motor provides quick, smooth cross feed.



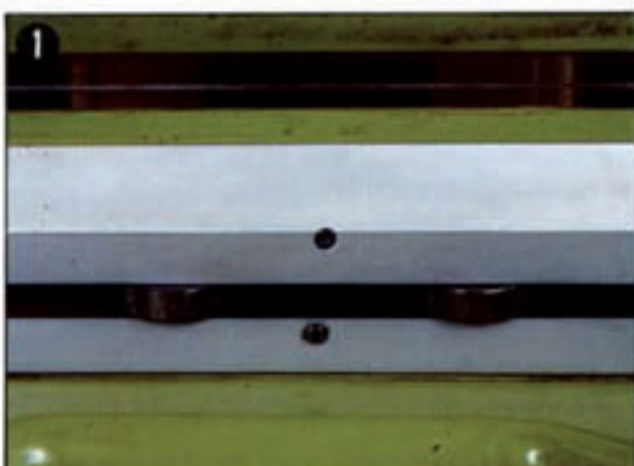
- Lubricating oil tank can be taken out easily for cleaning.



- Rigid head unit and enlarged slide way



- Precision bearing (ABEC 7) in cartridge spindle which is mounted on head.



- Proximity switch install inside. Stroke is adjustable by push button.



- Box-type column provide excellent damping effect.