

YS-1020 1024 H/AH/AHD

IS BUILT TO FULFILL THE IDEA OF

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

SINCE WE'VE CAREFULLY CONSIDERED FOLLOWING POINTS:

- Fully-support of each slide ways.
- Rigidity and damping effect of each main parts such as; base, column, saddle, spindle & Grinding head, etc.
- Dust-free protections of all slide ways as well as spindle unit.
- Human-engineering of each handwheels and control levers

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.

The adoption of variable pump and separation of hydraulic unit with the machine body minimize the un-favorable thermal effect.

■ AUTOMATIC LUBRICATION

The lubrication oil is pump to every slide way all the time whenever the main power switch is on.

■ 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 with pre-load double nut is used to provide accurate positioning of cross movement.

■ PRECISION DOWN FEED

A precisig ground vertical lead screw is used to provide accurate down feed.

■ TABLE HYDRAULIC FEED

Speed range from low of 1m/min to high of 25m/min (3 fpm-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.