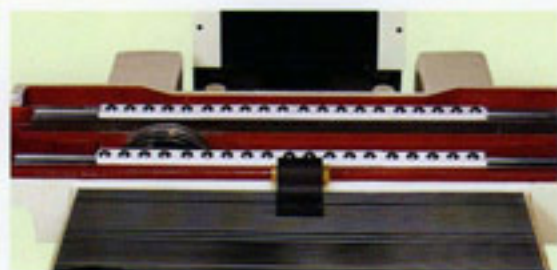


FEATURES AND CONSTRUCTION

機器結構與特點



SGS-618~1020M/MR

▲Table slideway

- Table slideway is formed for a special hardened and precise ground alloy steel.
- Precise roller balls enable movement light and easy.
- Table can move steadily and smoothly.

▲工作台導軌

- 特殊合金鋼，經熱處理及精密研磨。
- 配以精密滾動鋼珠使工作者操作省力輕便。
- 達到工作台運動平穩之順暢。



SGS-618~1640

▲Spindle and V3 graded spindle motor

- High precision spindle has two pairs of super precision angular contact ball bearing, which are sealed completely, and the spindle requires no further maintenance.
- The V3 graded motor drive the spindle directly by a pair of coupling, to get best torque & reduce the vibration of running.
- The power of motor is from 2hp to 10hp, it's according to the different machine model.

▲主軸及V3 級馬達

- 高精密度套筒式主軸。
- 採用4個超精密斜角滾珠軸承。
- 馬達與主軸經聯軸器結合，直接傳動，可獲得最大的扭力，和減少震動的產生。
- 主軸馬達從2馬力至10馬力，可依不同的工作需求，選舉合適的機種。



SGS-618~1230MR/HR/AHR

▲Micro adjustment & rapid downfeed construction (Optional accessory)

- Use 1/5HP motor to drive wheel head for up and down movement.
- Minimum feeding capacity of micro adjustment switch is 0.002mm, the feeding capacity can be increased per user's request.
- There is a clutch assembly to reduce normal wear of the parts.

▲微調及上下快送機構(特別附件)

- 利用1/5馬力，使砂輪頭上下運動，到節省工作時間。
- 微調旋鈕每次最小進刀量0.002mm可隨使用者決定進刀量大小。
- 微調及快送有脫離機構，以減少機器零件損耗。



SGS-1020~1640 SD

▲Servo motor for the downfeed construction

- NC control system with servo motor can make the downfeed construction operation easy, accurate and quick.
- The servo motor compound with a feed-back encoder to ensure the location of spindle seat sensitive & high precision.
- The downfeed operation use multiple control modes:
a. auto downfeed control mode. b. manual downfeed mode. c. pulse generator hand-wheel operation mode.

▲上下進給伺服機構

- 上下進給使用NC系統，控制AC伺服馬達可快速精確的控制上下進刀系統。
- 伺服馬達裝置回授解碼器以確保砂輪軸定位的高敏感性，和高準確度。
- 上下進刀多重進刀模式：a. 自動進刀模式 b. 按鍵式手動模式. c. 電子手輪操控模式。