

Sharp

precision surface grinders



SMT618A/AH
818A/AH

Grinding capacity: 6" x 18" or 8" x 18"
Hydraulic longitudinal feed (A model) with automatic cross feed (AH model)
Vertical feed manually adjusted (NC-controlled option and rapid elevating motor available)

High quality, double-walled, stress relieved castings
Rigid double vee ways for cross slideways, Turcite-B coated
Precise vee and flat way combination for table slide
Precision P4 bearings in cartridge-type totally sealed spindle
Isoflex-coupled motor and isolated hydraulics for vibration reduction

Standard Equipment includes:

Coolant System Grinding Wheel Wheel Flange Flange Extractor
Wheel Balancing Arbor Wheel Balancing Base Diamond Dresser
Halogen Worklight

Options: Electromagnetic/Tilting chucks Filtration Systems
Superfine feeds Ballscrew cross slide

machine illustrated above with superfine cross and vertical feed options.

- Straightness of table movement in longitudinal direction 0.02mm/m.
- Straightness of table movement in transverse direction 0.02mm/m.
- Vertical travel of wheelhead square with table in transverse plane 0.01mm/100mm.

Model		SHARP SMT-618AH
Table size	(mm)	150x450 (6"X18")
Max. grinding surface	(mm)	150x450 (6"X18")
Max. distance center of spindle to table	(mm)	450 (18")
Table speed		5~25M/min
Table guideway		One Vee & One Flat way, Turcite coated
Auto. cross feed increment	Approx.	0.1mm~12mm
Rapid power cross feed approx.	(mm/min)	1100 (60Hz)
Cross feed on hand wheel	1rev/1div	5mm / 0.02mm (0.2" / 0.001")
Rapid power head elevation rate (Optional Equipment)	60Hz	550mm/min (13"/min) (60Hz)
Vertical feed on head wheel	1rev/1div	2mm / 0.01mm (0.05" / 0.0002")
Automatic down feed (Optional Equipment)		0.001mm~0.999mm/Cycle (0.0001"~0.0999"/Cycle)
Wheel speed	60Hz	3500 rpm (60Hz)
Wheel dimension	(mm)	180x13x31.75 max. 200x20x31.75 (7"x0.5"x1.25") (max. 8"x0.75"x1.25")
Spindle motor	(HP)	2HP
Hydraulic pump motor	(HP)	1HP
Auto. cross feed motor	(W)	25W
Rapid head elevation motor (Optional)	(HP)	1/5HP
Machine net weight	(Kg)	900 (1980Lbs)
Machine gross weight	(Kg)	1100 (2424Lbs)
Machine floor space	(mm)	2080x1200 (82"X47")
Packing dimensions (L x W x H)	(cm)	212x146x195 (84"x58"x77")

Model		SHARP SMT-818AH
Table size	(mm)	200x450 (8"X18")
Max. grinding surface	(mm)	200x450 (8"X18")
Actual Table travel	(mm)	235x500 (9" x 20")
Max. distance center of spindle to table	(mm)	450 (18")
Table speed		5~25M/min
Table guideway		One Vee & One Flat way, Turcite coated
Auto. cross feed increment	Approx.	0.1mm~12mm
Rapid power cross feed approx.	(mm/min)	1100 (60Hz)
Cross feed on hand wheel	1rev/1div	5mm / 0.02mm (0.2" / 0.001")
Rapid power head elevation rate (Optional Equipment)	60Hz	550mm/min (13"/min) (60Hz)
Vertical feed on head wheel	1rev/1div	2mm / 0.01mm (0.05" / 0.0002")
Automatic down feed (Optional Equipment)		0.001mm~0.999mm/Cycle (0.0001"~0.0999"/Cycle)
Wheel speed	60Hz	3500 rpm (60Hz)
Wheel dimension	(mm)	180x13x31.75 max. 200x20x31.75 (7"x0.5"x1.25") (max. 8"x0.75"x1.25")
Spindle motor	(HP)	2HP
Hydraulic pump motor	(HP)	1HP
Auto. cross feed motor	(W)	25W
Rapid head elevation motor (Optional)	(HP)	1/5HP
Machine net weight	(Kg)	951 (2092Lbs)
Machine gross weight packed	(Kg)	1155 (2541Lbs)
Machine floor space	(mm)	2080x1200 (82"X47")
Packing dimensions (L x W x H)	(cm)	212x146x195 (84"x58"x77")