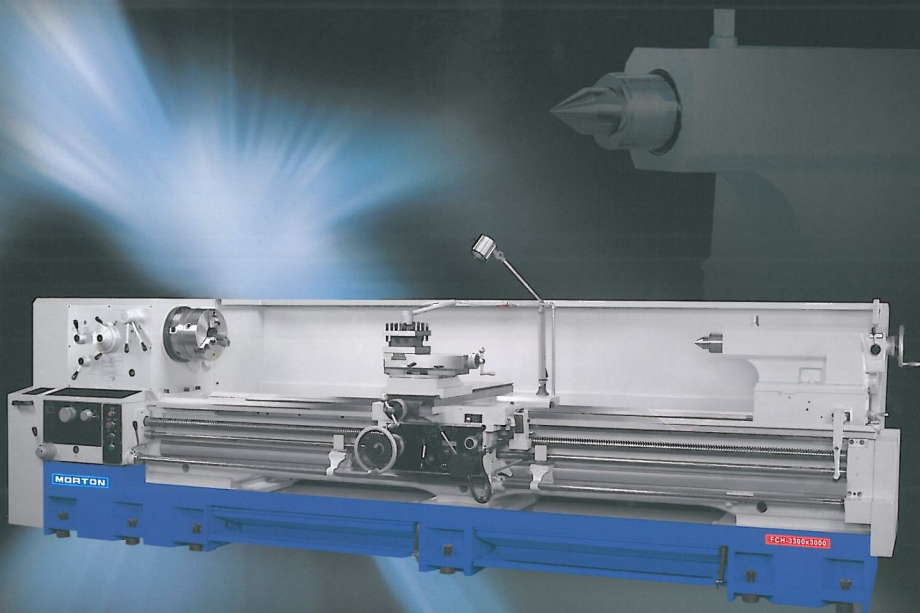


MORTON®

HEAVY DUTY PRECISION LATHE



FCH series

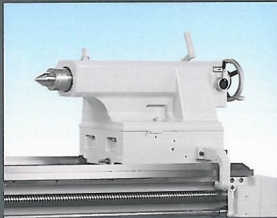
- SWING: 780~1020mm
- BETWEEN CENTERS: 2000~7000mm
- SPINDLE BORE: 104mm
- SPINDLE MOTOR: 20HP/4P, 15HP/6P
- WIDTH OF BED: 560mm

MORTON.

FCH-3000 / 3300 / 4000 x 2000, 3000, 4000, 5000, 6000, 7000



- Three-point support follow rest $\varnothing 40-240$ mm
- Cross slide is hardened and ground to prolong operation life.
- Cross slide screw is oil bathed to maintain smoothness and wear resistance.
- Tool post can choose American T-slot type.



- Clamping of tailstock is done by easy to operate push-pull clamping lever and clamping bolt.
- Stopper is equipped underneath of tailstock to avoid danger of slipping of tailstock.
- Special design provides the tailstock body to easy move by tailstock carrier.

- Spindle bore is 104mm
- Spindle nose is A1-11 (Option is D1-11)
- Spindle is supported by three bearings.

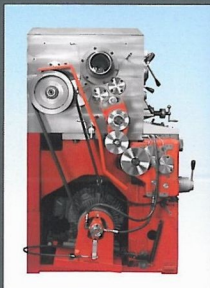
- Rapid traverse for longitudinal



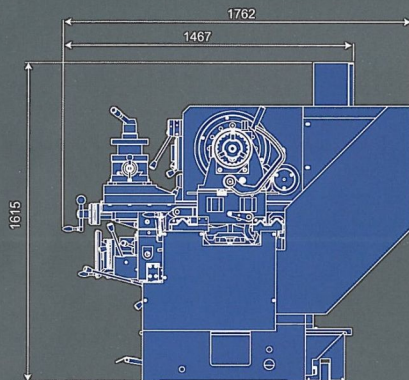
- Foot-operated braking system.

- Start and stop lever with

DIMENSIONAL DRAWING



- Main motor is 15HP/6P or 20HP/4P.
- Multi-start threads indexing device.
- Forced lubrication system of spindle is employed by pump.
- Drum type brake system for main motor connected to pedal with a brake wire.
- The lubricating to gear box is forcedly obtained by pump.



- Width bed is 560mm.
- Hardened and precisely ground.

- Powerful and easy to operate tailstock.
- Quill diameter is 100mm.
- Tailstock body can easy to move by special design.

safety device.

- Multi-position length stop

SPECIFICATIONS

ITEM		FCH-3000	FCH-3300	FCH-4000
Capacity	Swing over bed	ø780 mm	ø860 mm	ø1020 mm
	Swing over carriage	ø520 mm	ø610 mm	ø770 mm
	Swing over gap	ø1080 mm	ø1170 mm	ø1330 mm
	Width of gap in front of face plate	360 mm		
	Distance between centers	2050 / 3050 / 4050 / 5050 / 6050 / 7050 mm		
	Width of bed	560 mm		
	Stroke of tool post	220 mm		
Headstock	Stroke of cross slide	540 mm		
	Spindle bore	ø104 mm		
	Spindle nose	A1-11 (D1-11, Option)		
	Taper of spindle bore & center	MT7 x MT5		
	Number of spindle speeds	16		
	Spindle speed (4P, 60HZ)	12 / 16 / 22 / 30 / 41 / 56 / 77 / 105 / 135 / 183 / 252 / 343 / 475 / 640 / 885 / 1200 rpm		
	Spindle speed (6P, 60HZ) (Option)	8 / 11 / 17 / 20 / 27 / 37 / 51 / 70 / 90 / 122 / 168 / 229 / 317 / 427 / 590 / 800 rpm 6 / 8 / 11 / 15 / 21 / 28 / 39 / 52 / 68 / 91 / 126 / 172 / 236 / 320 / 442 / 600 rpm		
Threading & Feeds	Number of feeds	90		
	Range of longitudinal feeds (mm)	Fine: 0.012~0.044(20) Normal: 0.06~0.89(40) Coarse: 1.01~7.12(30)		
	Range of longitudinal feeds (inch)	Fine: 0.00048~0.00168"(20) Normal: 0.0024~0.0337"(40) Coarse: 0.0384~0.2694"(30)		
	Range of cross feeds	1/2 Half of longitudinal feeds		
	Leadscrew diameter	ø 48 mm		
	Leadscrew pitch	2TPI / P12		
	Range of inch pitches	2~28 TPI (40) , Coarse: 5/8"-8" (16)		
Tailstock	Range of metric pitches	1~14 mm (31) , Coarse: 16~200 mm (61)		
	Quill stroke	280 mm		
	Quill diameter	ø100 mm (ø130 mm , Option)		
Motor	Quill taper	MT#6		
	Main motor	20 HP / 4 P (15 HP / 6 P , Option)		
Machine dimension	Coolant pump motor	1/4 HP		
	Height	1400 mm		
	Floor space	4200 / 5200 / 6200 / 7200 / 8200 / 9200 mm x 1500 mm		
	Weight	4700~9500 kgs		

★ Specification are subject to change without notice. ★ Actual specification depends on purchase order. ★ Detail equipment and accessories depends on the quotation.

STANDARD EQUIPMENTS AND ACCESSORIES

- Main motor 20HP/4P
- Spindle bore 104mm
- Spindle nose A1-11 or D1-11
- Quill diameter of tailstock is ø100mm
- Steady rest with roller jaw ø380~560mm
- Dead center MT#6
- Rapid traverse
- Coolant system
- Work light
- Tool box and Service kits
- Leveling screws and Foundation pads
- Multi-position length stop

OPTIONAL EQUIPMENTS AND ACCESSORIES

- 3-jaw manual chuck
- 4-jaw manual independent chuck
- Face plate
- Main motor 15HP/6P
- Spindle nose D1-11
- Quill diameter of tailstock is ø130mm
- Steady rest with roller jaw ø205~385mm
- Follow rest ø40~240mm
- Drill attachment
- Taper turning attachment
- Turret carriage stop
- Full length splash guard



FREJO TH INTERNATIONAL LTD.

8F #501, SEC.2, WU CHUAN W. RD., TAICHUNG 408, TAIWAN, R.O.C.

TEL: 886-4-23816977

FAX: 886-4-23813584, 23813769

E-mail: mail@frejoth.com.tw

web-site: http://www.frejoth.com.tw