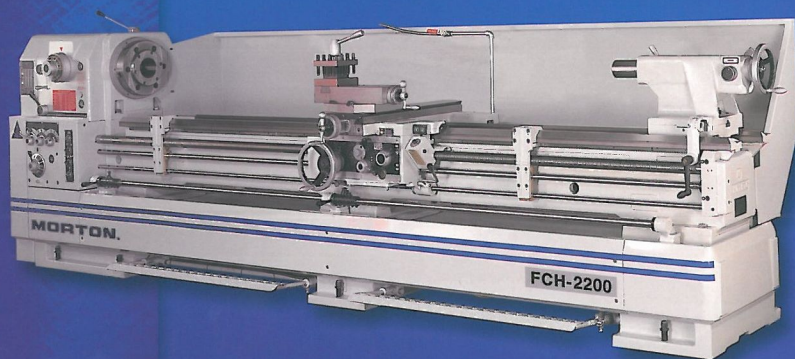
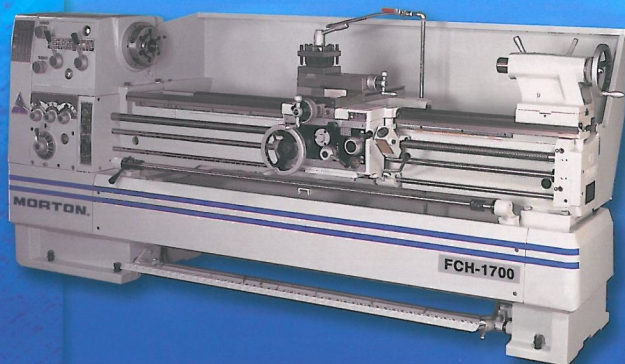




MORTON®

HIGH SPEED PRECISION LATHE



FCH-1600 FCH-1700 FCH-2200

web-site: www.frejoth.com.tw E-mail: mail@frejoth.com.tw

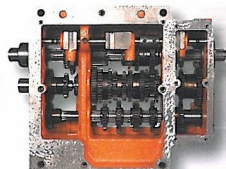


MORTON®

HIGH SPEED PRECISION LATHE

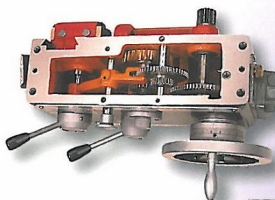
FCH-1600/1700/2100 SERIES BED - 300MM (12") WIDTH
FCH-2200/2600/3000 SERIES BED - 400MM (16") WIDTH

- MEEHANTIE CAST IRON, VIBRATION STRESSES RELIEVED.
- INDUCTION HARDENED (HS70 DEGREE) AND PRECISION GROUND.
- PRECISION HAND SCRAPED REMOVABLE GAP.
- FOOT BRAKE.



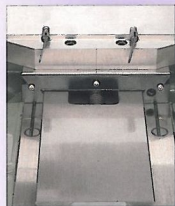
UNIVERSAL GEAR BOX

- OIL BATH LUBRICATION.
- HEAT-TREATED GEARS.
- INCH/METRIC/MODULE/DIAMETRICAL THREADS.
- OUTPUT SHAFT IS DESIGNED WITH SAFETY PIN.



APRON AND SADDLE

- MANUAL AND AUTOMATIC LUBRICATION SYSTEM.
- -OIL DISTRIBUTOR ADJUSTED TO LUBRICATING BEDWAYS AND CROSS SIDE OR BOTH.
- OVERLOAD PROTECTION DEVICE.
- CROSS SLIDE IS HARDENED AND PRECISION GROUND.
- CROSS SLIDE SCREWS ARE HARDENED AND OIL BATHED.
- FORWARD - OFF - REVERSE LEVER.
- TOP AND SADDLE SLIDE LOCKING SYSTEM.
- T-SLOT COMPOUND FOR AMERICA AREA.



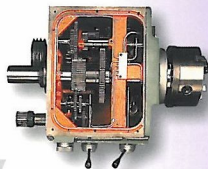
SPINDLE

- SUPPORTED BY 3 PRECISION P-GRADE TAPER ROLLER BEARINGS.
- DYNAMICALLY BALANCED, HARDENED AND PRECISION GROUND.
- FCH-1600/1700/2100 -D1-6 OR A1-6 SPINDLE NOSE, SPINDLE BORE 51MM(FCH-1600), 58MM(FCH-1700/2100).
- FCH-2200/2600/3000 SERIES-D1-11 OR A1-11 SPINDLE NOSE, SPINDLE BORE 104MM.



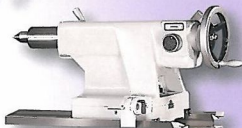
HEADSTOCK

- ALL GEARS MADE BY CHROMIUM MOLYBDENUM STEEL.
- AND SEGMENTATION TREATED AND PRECISION GROUND.
- FORCED LUBRICATION SYSTEM.



TAILSTOCK

- QUILL MADE BY CHROMIUM MOLYBDENUM STEEL WITH SEGMENTATION AND PRECISION GROUND.
- FCH-1600/1700/2100 SERIES-QUILL DIAMETER 60MM AND TRAVEL 170MM.
- FCH-2200/2600/3000 SERIES-QUILL DIAMETER 80MM AND TRAVEL 250MM TWO SPEED WITH 1:1 AND 4:1 MANUAL FEED RATIOS.



SPECIFICATIONS

	FCH-1600	FCH-1700 / FCH-2100	FCH-2200 / FCH-2600 / FCH-3000
Center height	203 mm	216 / 266 mm	280 / 330 / 380 mm
Swing over bed	406 mm	432 / 532 mm	560 / 660 / 760 mm
Swing over gap	580 mm	610 / 710 mm	797 / 892 / 990 mm
Swing over carriage	238 mm	268 / 368 mm	340 / 445 / 548mm
Gap width	150 mm	150 mm	270 mm
Bed width	300 mm	300 mm	400 mm
Between centers	767 / 1067 mm	767 / 1067 / 1667 mm	1443 / 2218 / 2968 / 3983 mm
SPINDLE			
Spindle nose	D1-6 or A1-6		D1-11 or A2-8 ASA
Spindle bore	51 mm	58 mm opt. 78 mm (A2-6)	104 mm
Spindle speeds-60 Hz	70, 110, 180, 290, 430,	35, 52, 75, 110, 160, 230, 330,	13, 20, 30, 47, 70, 105, 150,
	690, 1125, 1800 rpm	490, 650, 950, 1350, 2000 rpm	230, 340, 530, 800, 1200 rpm.
TRAVEL			
Cross slide	265 mm		400 mm
Compound slide	145 mm		242 mm
THREADS			
Leadscrew diameter and pitch	35 mm , 4 TPI , P = 6 mm		45 mm, 4 TPI, P = 6 mm
Range of Inch threads	36 Kinds - 4 - 42 TPI	44 Kinds - 2 - 72 TPI	44 Kinds - 2 - 72 TPI
Range of Metric threads	36 Kinds - 0.4 - 7.0 mm	39 Kinds - 0.2 - 14 mm	39 kinds - 0.2 - 14 mm
Longitudinal feed metric	0.07 - 0.5 mm/rev	0.037 - 1.04 mm/rev	0.037 - 1.04 mm/rev
Cross feed	1/2 of longitudinal feeds		
TAIL STOCK			
Quill diameter	60 mm		80 mm
Quill travel	170 mm		250 mm
Taper of center	MT No.4		MT No.5
MOTOR			
Spindle motor	7.5 HP		15HP
Coolant	1/8 HP		1/8HP
Dimension			
Length	2000 / 2300 / 2900 mm		2900 / 3700 / 4500 / 5500 mm
Height	1400 mm		1500 mm
Width	1000 mm		1200 mm
Net Weight-Kgs	1450 / 1550	1500 / 1600 / 1800 1600 / 1700 / 1900	2300 / 2400 / 2500 / 2600 / 2700 / 2900 3000 / 3100 / 3200 / 3400 / 3600 / 3700

• We reserve the right to modify and improve above specification without notice.

MORTON®

HIGH SPEED PRECISION LATHE

FCH-2200/2600/3000

STANDARD ACCESSORIES

- MAIN MOTOR 15HP - 4P
- CENTER SLEEVE MT No. 5
- DEAD CENTER MT NO. 5 X 2 PCs
- LEVELING SCREW AND BLOCK
- SERVICE KITS AND TOOL BOX
- STEADY REST - 40 - 250MM (1-5/8" - 10")
- DRIVE PLATE - 300MM(12") FOR D1-11 ONLY
- COOLANT SYSTEM
- MULTI - POSITION LENGTH STOP

OPTIONAL ACCESSORIES

- ENLARGED LEADSCREW TO 45MM - 2TPI OR 12MM - PITCH.
- FOLLOW REST
- STEADY REST 190 - 405MM (7 - 16")
- FACE PLATE 500MM (20")
- TAPER TURNING ATTACHMENT
- 3 JAW SCROLL CHUCK 380MM(15")
- 4 JAW INDEPENDENT CHUCK 500MM(20")
- HALOGEN WORK LIGHT
- REAR TOOL POST
- FULL LENGTH SPLASH GUARD
- DRILL ATTACHMENT
- CARBIDE TIPPED DEAD CENTER MT NO. 5
- LIVE CENTER MT NO. 5
- BULL NOSE LIVE CENTER MT NO. 5
- INTERCHANGEABLE INSERTS LIVE CENTER MT NO. 5
- QUICK CHANGE TOOL POST
- DIGITAL READOUT.
- RAPID TRAVERSE MOTOR FOR LONGITUDINAL

FCH-1600/1700/2100

STANDARD ACCESSORIES

- MAIN MOTOR 7.5HP - 4P
- CENTER SLEEVE MT No.6 x MT No.4
- DEAD CENTER MT NO. 4 X 2 PCs
- LEVELING SCREW AND BLOCK
- SERVICE KITS AND TOOL BOX
- STEADY REST
- DRIVE PLATE
- COOLANT SYSTEM
- MULTI - POSITION LENGTH STOP

OPTIONAL ACCESSORIES

- FOLLOW REST
- FACE PLATE 350MM (14")
- MICRO CARRIAGE STOP
- TURRET MICRO CARRIAGE STOP
- TAPER TURNING ATTACHMENT
- 3 JAW SCROLL CHUCK 250MM (10")
- 4 JAW INDEPENDENT CHUCK 320MM (12")
- HALOGEN WORK LIGHT
- REAR TOOL POST
- FULL LENGTH SPLASH GUARD
- DRILL ATTACHMENT
- CARBIDE TIPPED DEAD CENTER MT NO. 4
- LIVE CENTER MT NO. 4
- BULL NOSE LIVE CENTER MT NO. 4
- INTERCHANGEABLE INSERTS LIVE CENTER MT NO. 4
- QUICK CHANGE TOOL POST
- DIGITAL READOUT.



FREJOTH 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>