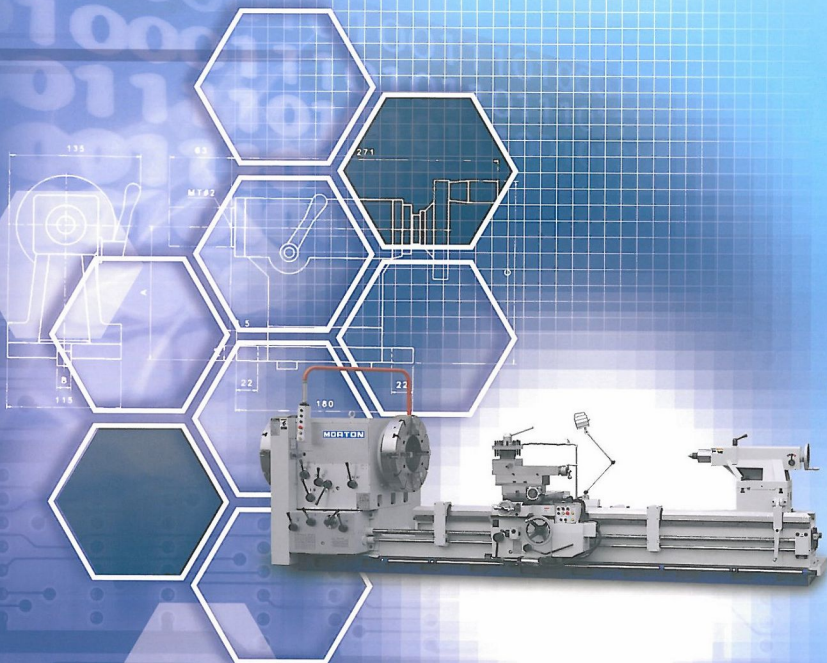


MORTON®

OIL COUNTRY LATHE 6-1/16" ~ 20-1/4" SPINDLE BORE



THE LEADER IN QUALITY AND RELIABILITY

- SINCE 1973 -

OIL COUNTRY LATHE SPINDLE BORE



HEAD STOCK

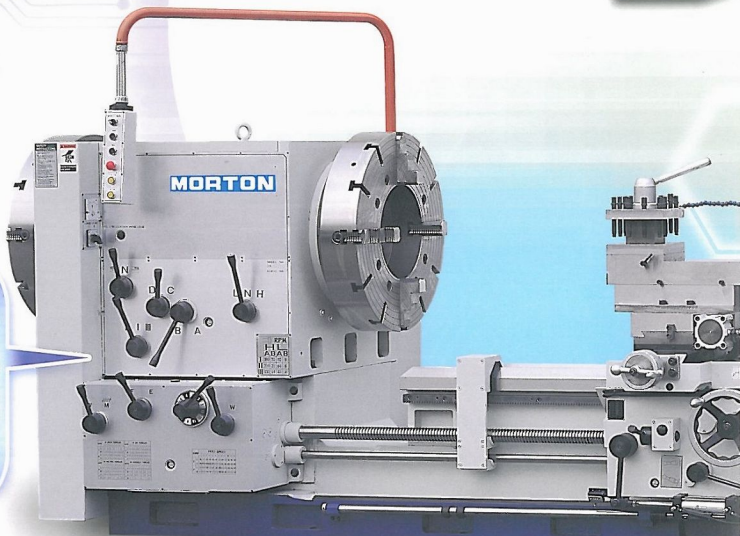
Dynamic balanced Spindle Spindle is supported by 3 Points precision bearings - 2 taper roller and 1 Ball bearing Housing are properly stabilized and deflection free. All gears and shafts are made by Chromium molybdenum steel with segmentation and precision ground.

Spindle Bore size wide selections -
230mm(9") at Spindle nose taper A2-15
310mm(12") at Spindle nose taper A2-20
360mm(14") at Spindle nose taper A2-20
510mm(20") Spindle nose taper A2-28



UNIVERSAL GEAR BOX

Induction hardened and ground gears and shafts. Wide threads cutting capacity for imperial, metric, module pitch and Diametrical pitch. Oil bath lubrication

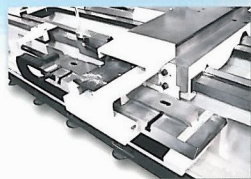


STANDARD ACCESSORIES

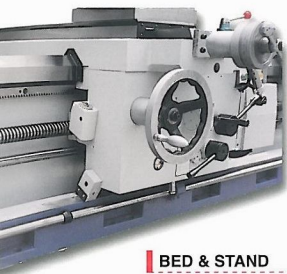
- Main Motor
- Auto - Lubrication System
- Coolant System
- 4-Way Tool Post
- X, Z Axes Rapid Traverse.
- Meter / Inch Community Gear Box
- Magnetic Brake
- Guide Way Hardened, Grinder, & Wiper
- Tailstock Center
- Operation Service Manual
- Tool Box
- Leveling Bolts & Pads

OPTIONAL ACCESSORIES

- 3 - Jaw Chuck
- 4 - Jaw Chuck
- Double Chuck System
- 4 - Jaw Face Plate
- Steady Rest
- Follow Rest
- Rear Supporting Stand
- Quick Change Tool Post
- Rear Tool Post
- Boring Device
- Taper Attachment
- Pneumatic Rapid Threading Device
- Digital Readout

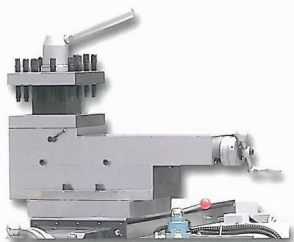


Taper Attachment.



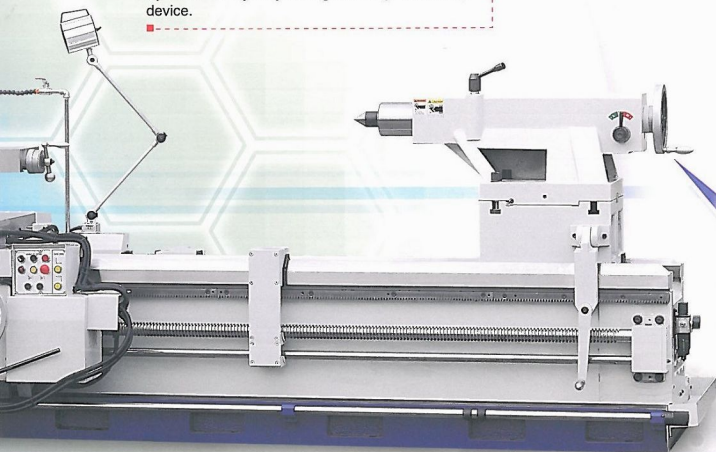
BED & STAND

One piece cast iron pedestal floor stand. With foot brake.
Bed Meehanite casting, vibration stress relieved
Bed width 560 mm (22")
Induction hardened and precision ground bed ways
Precision ground railway (3rd support) support
Apron for heavy-duty cutting and longitudinal stop device.



CARRIAGE & SLIDE

Pin-Locking Type 4-way Tool post, easy in forward and Reverse swiveling, also ensure the safety in cutting.
Dual reading dials.
Forward - Of - Reverse lever T - Solt compound
One shut lubrication for carriage and tops slide.



TALL - STOCK

125mm(4.92") Quill diameter,
center sleeve taper MT No.6
Travel-300mm(11.81").
Knock out Tang.
2 speed for easy drilling.



Steady Rest.



APRON

Right hand side or left - hand size apron hand - wheel available as required.
Integrated automatic device for longitudinal & cross feeds, forward and reverse feeds.
Overload safety device.
Pneumatic operated Rapid threading device(Pattern Pending)

ITEM		FEL-3800BH		FEL-4200BH		FEL-4600BH	
CAPACITY	Center high	480 mm		530 mm		585 mm	
	Swing over bed	960 mm (38")		1060 mm (42")		1170 mm (46")	
	Swing over cross slide	650 mm		750 mm		860 mm	
	Swing over gap	1510 mm		1610 mm		1720 mm	
	Width of gap	570 mm					
	Width of bed	560 mm					
	Distance between centers	1500(60"), 2000(80"), 3000(120"), 4000(160"), 5000(200"), 6000(240"), 7000(280"), 8000(320"), 9000(360")					
SPINDLE	Spindle bore	Ø156 mm	Ø230 mm	Ø310 mm	Ø360 mm	Ø510 mm	
	Spindle nose	A2-11	A2-15	A2-20	A2-20	A2-28	
	Number of Spindle speeds	9-600	6-400	4-300	3-250	2-150	
TAILSTOCK	Tailstock spindle	Ø125 mm					
	Taper of center	MT#6					
	Quill travel	300 mm					
CARRIAGE	Cross travel	540 mm					
	Compound rest travel	300 mm					
	Cross feeds	0.065-0.96 (48 Kinds)					
THREAD & FEEDS	Longitudinal feeds	0.13-1.92 (48 Kinds)					
	Threading range,metric	2-30 mm/Pitch (48 Kinds)					
	Threading range,inch	1-16 T.P.I. (48 Kinds)					
	Module pitch threads	1-15 M (32 Kinds)					
	DP.Pitch threads	2-30 P (48 Kinds)					
	Lead screw diameter	Ø50 mm x 2 T.P.I.					
	Tool size	40 x 40 mm					
POWER	Main spindle motor	20 HP (25 HP, 30 HP Optional)					
	Rapid motor	1/2 HP					
	Coolant pump	1/4 HP					
	Oil pump	12 W					
NET WEIGHT	N.W	5650 kgs(60"- B6), 6100 kgs(80"- B6), 7450 kgs(120"- B6), 8550 kgs(160"- B6) 7650 kgs(60"- B20), 8100 kgs(80"- B20), 9450 kgs(120"- B20), 10500 kgs(160"- B20)					

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



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