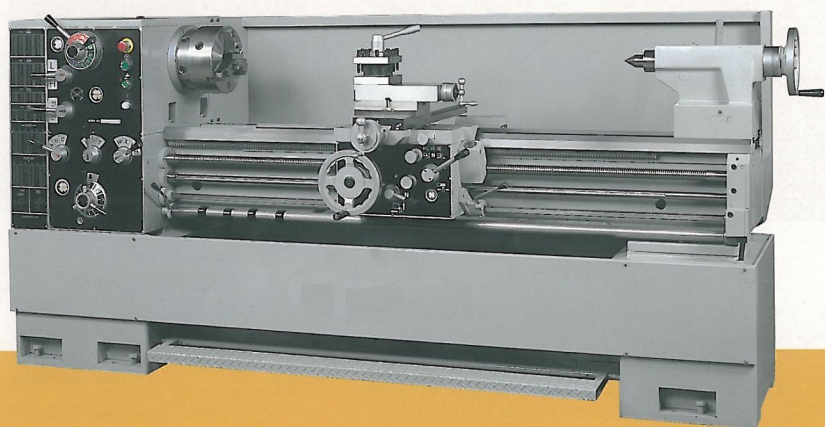




PRECISION ENGINE LATHE



FSML-1740/1760/1780
FSML-2040/2060/2080

HEADSTOCK

Headstock is made of rigid, high grade cast iron.

All geared headstock, Main gears is made from Chromium, Nickel, Molybdenum alloy steel and are case hardened and "REISHAUER" ground. The headstock provides 12 spindle speeds which are in geometric progression and are easily selected.

Hardened and ground main spindle is supported by three bearings in three places (the front and middle are precision taper roller bearing, The rear is roller bearing). D1-8" CAMLOCK spindle nose has a large hole thru the spindle of 3-1/4 inch (82mm) The automatic lubrication to all running parts inside headstock is forced by a geared lubrication pump.

GEARBOX

The totally enclosed gearbox provides the most comprehensive range of inch and metric feeds and threads without changing end gears. Full range of thread pitches, metric, inch, module and diametral.

Gearing is easily and quickly changed by levers conveniently mounted in the front of the control panel.

All gears are case hardened and are made of special alloy steel.

Feedshaft and leadscrew equipped overload protection.

Lubricated by oil bath.

SADDLE AND COMPOUND REST

Saddle, cross slide and top slide fitted with adjustable taper gib strips for wear compensation.

Cross slide screw incorporates backlash eliminator.

Centrally lubricated slides use one shot system.

Compound rest is with a four-way toolpost.

APRON

Automatic feeding and threading are fully interlock to prevent simultaneous engagement of feeds and threads.

Oil bath lubrication of apron.

Pull and push a knob in the front of the apron, which can change the feed cutting direction from the apron, without stopping the lathe.

There are one safety device, when overload cutting, the slipping clutch system will automatically shut down the feed cutting.

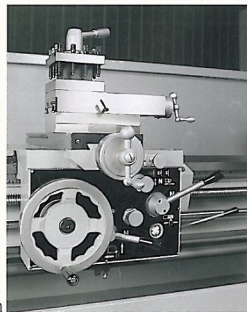
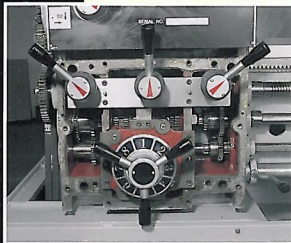
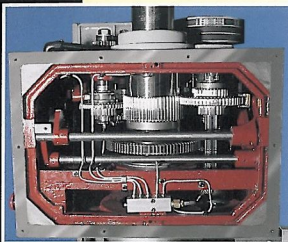
BEDWAY

The bedways are induction hardened and then precision form ground.

TAILSTOCK

Quick-acting clamps for locking tailstock on the bed and for locking quill.

The hardened and ground quill is graduated in inches and millimeters.



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We reserve the right to modify and improve our products.

FEATURERS

- * Heavy duty geared head; hardened and ground gears.
- * 3-1/4" inch (82 mm.) hole through spindles.
- * 3-point supported spindle using 2 precision taper roller bearings and 1 ball bearing.
- * 12 step spindle speeds 20-1800 rpm. shift in geometric progression.
- * Forced spray lubrication system used for headstock.
- * One shot lubrication pump supply oil to cross slide and bedways.
- * Direct selection of inch and metric threads without change of gears.
- * Adjustable overload clutch in apron to ensure proper cutting load.
- * Cross slide screw permanently immersed in oil and supported by thrust bearing.
- * Induction hardened and precision ground bedway.
- * One piece casting base for maximum rigidity.

STANDARD ACCESSORIES

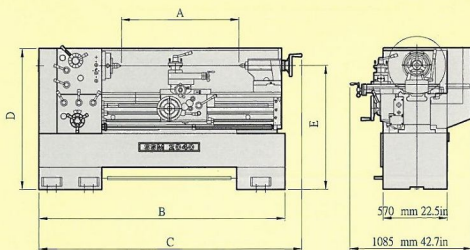
- * Back plate for chuck
- * Coolant system
- * 4-way toolpost
- * Threading dial indicator
- * 4-position auto carriage feed stop
- * Main motor 10HP 4P
- * Tool box
- * Center sleeve
- * Two dead centers
- * Camlock spindle wrench
- * Oil gun (piston oiler)
- * Screw driver
- * Spanner (double-ended wrench)
- * Hexagonal wrench
- * Optional manual

OPTIONAL ACCESSORIES

- * 3-jaw scroll chuck 9inch, 10inch, 12inch
- * 4-jaw independent chuck 12inch, 14inch, 16inch
- * Face plate 16inch, 20inch
- * Steady rest
- * Follow rest
- * Splash guard
- * Telescopic taper attachmet
- * Quick change toolpost
- * Chuck guard
- * Live center (MT. No. 5)
- * Drill chuck W/arbor
- * Work lamp (quartz halogen lamp)



MEASUREMENT



MODEL	A	B	C	D	E
1740	1000mm	2190mm	2340mm	1220mm	1070mm
	40in	86in	92in	48in	42in
1760	1500mm	2700mm	2850mm	1220mm	1070mm
	60in	106in	112in	48in	42in
1780	2000mm	3210mm	3360mm	1220mm	1070mm
	80in	126in	132in	48in	42in
2040	1000mm	2190mm	2340mm	1257mm	1105mm
	40in	86in	92in	50in	44in
2060	1500mm	2700mm	2850mm	1257mm	1105mm
	60in	106in	112in	50in	44in
2080	2000mm	3210mm	3360mm	1257mm	1105mm
	80in	126in	132in	50in	44in



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