



Whitelaw

ENGINEERING MACHINERY
INCORPORATED 1965



MODEL: LA-430 GENERAL PURPOSE CENTRE LATHE

MACHINE FEATURES:

- One-piece solid cast base enhances the machine life and overall accuracy
- Bed ways hardened and ground (Bed Hardness HRC 50-55)
- Wide (300mm) 12" bed way to absorb vibration
- Heavy duty spindle hardened, ground and dynamically balanced
- 103mm long half nut, provides twice the support compared to standard half nuts
- Spindle supported by 3-point precision bearings NTN/NSK of Japan
- Spindle roundness (tolerance) 0.01mm
- Headstock gears heat treated then hardened and ground
- Universal enclosed gearbox incorporating metric & imperial thread capabilities
- Foot operated spindle brake
- Removal gap piece to bed
- Powered longitudinal and cross feeds
- Hand wheel to the right or left
- Metric or imperial lead screw
- Quality Taiwanese manufacture
- 12 months' warranty

SPECIFICATION:

Capacity:

Swing over bed:	... Ø 432 mm
Swing over cross slide:	... Ø 272 mm
Swing in gap: (No Gap for 500/800 Bed)	... Ø 610 mm
Gap width in front of faceplate:	...200 mm
Width of bed ways:	...300 mm
Distance between centres:	...550/800/1100/1700 mm

Headstock & Main Spindle:

Spindle nose:	...D1-6 cam lock
Spindle bore:	...58 mm
Number of spindle speeds:	...12
Spindle speed range: (opt- rpm)	... (opt 35-2000 rpm) 27-1600 rpm

Threads & Feeds:

Cross slide travel:	...265 mm
Top slide travel:	...130mm
Longitudinal feed range: (36 steps)	...0.03-0.85 mm/rev
Imperial thread range: (44 changes)	...2-72 tpi
Metric thread range: (39 changes)	...0.2-14 mm

Tailstock:

Tailstock quill travel:	...150 mm
Tailstock taper:	...MT 4

Motor:

Spindle motor:	...Teco (opt-5HP) 7.5HP 415V 3 phase
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Weight:

Approx. net weight:	...1400/1600/1700/1950 kg
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STANDARD EQUIPMENT:

- ✓ 250mm 3 Jaw self-centring chuck
- ✓ 300mm 4 Jaw independent chuck
- ✓ LED work lamp
- ✓ Free position micro carriage stops,
- ✓ Fixed steady rest (30-150) roller type with bearings
- ✓ Travelling steady bronze tip
- ✓ Integrated coolant
- ✓ Full length splash guard
- ✓ Centre sleeve
- ✓ 2 Dead centres, Live centre
- ✓ Thread dial indicator
- ✓ Levelling feet
- ✓ Operation manual and tool kit

OH&S INCLUSIONS:

- ✓ Chuck guard with integrated micro switch
- ✓ Interlock installed to the end train cover
- ✓ Twist to release emergency stop

OPTIONAL EQUIPMENT:

- 350mm Dia Ø faceplate
- Bison (European) 3 Jaw self-centring chuck
- Bison (European) 4 Jaw independent chuck
- Quick change tool post c/w 5 flat holders
- Taper turning attachment
- Economy or premium 2 axis digital readout
- Lead screw and feed rod curtain
- Anti-vibration mounts
- Tooling package designed to meet your requirements