



Whitelaw

ENGINEERING MACHINERY
INCORPORATED 1965



MODEL: L2280E GENERAL PURPOSE CENTRE LATHE

MACHINE FEATURES:

- One-piece solid cast base enhances the machine life and overall accuracy
- Bed ways induction hardened and ground
- Wide (350mm) 14" bed way to absorb vibration
- Adjustable taper roller bearings for spindle accuracy
- Spindle supported by 3-point precision bearings NSK of Japan
- Headstock gears heat treated then hardened and ground
- Universal enclosed gearbox incorporating metric & imperial thread capabilities
- Schneider/Siemens electrical components and premium micro switches
- Overload protection on drive motor and coolant system
- Foot operated spindle brake
- Removal gap piece to bed
- LED work light IP62
- Powered longitudinal and cross feeds
- Metric lead screw

SPECIFICATION:

Capacity:

Swing over bed:	... Ø 560 mm
Swing over cross slide:	... Ø 350 mm
Swing in gap:	... Ø 735 mm
Gap width in front of faceplate:	...170 mm
Width of bed ways:	...350 mm
Distance between centres:	...2000 mm

Headstock & Main Spindle:

Spindle nose:	...D1-8 cam lock
Spindle bore:	... Ø 80 mm
Number of spindle speeds:	...12
Spindle speed range:	...25-1600 rpm

Threads & Feeds:

Cross slide travel:	...316 mm
Top slide travel:	...130 mm
Longitudinal feed range: (35 steps)	...0.059-1.464 mm/rev ...0.0022-0.0612 inch/rev
Cross feed range: (35 steps)	...0.020-0.573 mm ...0.00048-0.01354 inch/rev
Imperial thread range: (60 changes)	...2-112 tpi
Metric thread range: (47 changes)	...0.2-14 mm
Diametrical pitch thread range: (50 steps)	...4-112 D.P
Module pitch thread range: (34 steps)	...0.1-7 M.P



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SPECIFICATION:

Tailstock:

Tailstock quill travel: ...180 mm

Tailstock taper: ...MT 5

Motor:

Spindle motor: ...10 HP 415V 3 phase

Weight:

Approx net weight: ...2285 kg

STANDARD EQUIPMENT:

- ✓ Sino 2 Axis digital readout
- ✓ Ø 315mm 3 jaw self-centring chuck
- ✓ Ø 400mm 4 jaw independent chuck
- ✓ Ø 450mm faceplate
- ✓ LED work lamp
- ✓ Micro carriage stop
- ✓ Fixed steady rest
- ✓ Travelling steady
- ✓ Integrated coolant
- ✓ Full length splash guard
- ✓ Centre sleeve
- ✓ 2 Dead centres
- ✓ Thread dial indicator
- ✓ Levelling feet
- ✓ Operation manual and tool kit

OPTIONAL EQUIPMENT:

- Bison (European) 3 Jaw self-centring chuck
- Bison (European) 4 Jaw independent chuck
- Italian type quick-change tool post c/w 5 flat holders
- Tooling package designed to meet your requirements