

CNC Lathes

The Boxford range of CNC lathes offer users unrivalled performance and ease of use. Within a matter of minutes, components incorporating external and internal profiles, including screw threads, can be designed, simulated and manufactured to close tolerances in a variety of materials.

Boxford lathes utilise industrial level programming codes and are ideal for vocational engineering training. Each machine can also be integrated into FMS/CIM systems, when fitted with optional factory fitted automated equipment.





160TCLi

Fully enclosed bench top PC controlled CNC lathe with 160mm swing over bed, spindle bored to pass Ø20mm, Ø80mm precision 3-jaw self centring chuck & precision dovetail slide construction. (Shown with optional portable cabinet base).



250PCi

Floor standing PC controlled CNC lathe, with removeable laptop shelf and integrated locking cupboards. Features include: 250mm swing over bed, spindle bored to pass Ø35mm and Ø125mm precision 3 jaw self-centring chuck. 1-shot integrated lubrication system and flood coolant fitted as standard. (Shown without included laptop shelf).



T220i

Floor standing PC controlled CNC lathe, with removeable laptop shelf and integrated locking cupboards. Features include: 220mm swing over bed, spindle bored to pass Ø25mm, Ø100mm precision self-centring chuck & precision ground linear slides on all axes. (Shown with optional flood coolant).

Standard features:

- USB interface
- Integrated touch sensitive control panel with illuminated push buttons to allow manual machining
- Pre-loaded anti-backlash ball screws on all axes
- Single seat of Boxford 'CAD/CAM Design Tools' software (Incorporating integrated LatheCAD design software and automatic design processing to a machining routine including solid 3D graphics simulation. Also includes conversational and manual programming, ideal for vocational training. Optional site/network license upgrade)

Optional accessories:

- Comprehensive tooling set
- 8 station automatic disc turret
- Quick change tool post
- Automatic pneumatic chuck
- Manual tailstock steady
- Automatic pneumatic tailstock quill
- Portable cabinet base

Specifications	160TCLi	T220i	250PCi
Swing over bed	160mm	210mm	250mm
Swing over x axes slide	70mm	114mm	105mm
X axis travel (cross)	125mm	150mm	200mm
Z axis travel (longitudinal)	125mm	350mm	265mm
Chuck diameter	80mm	100mm	125mm
Spindle bored to pass	20mm	25mm	35mm
Distance between centres	140mm	400mm	350mm
Tailstock quill travel	75mm	75mm	50mm
Spindle motor	490 watts	1100 watts	2200 watts
Infinitely variable spindle speeds	200-3200 rpm	200-4000 rpm	200-3200 rpm
Electrics	110/220/240 V 1 phase		
Programmable feed	0-1500mm/min	0-1500mm/min	0-2000mm/min
Rapid feed rate at 100%	1500mm/min	1500mm/min	2000mm/min
Machine weight	130kg	290kg	560kg
Max dimensions (w x d x h mm)	800x600x1025	1500x720x1530	2000x870x1520