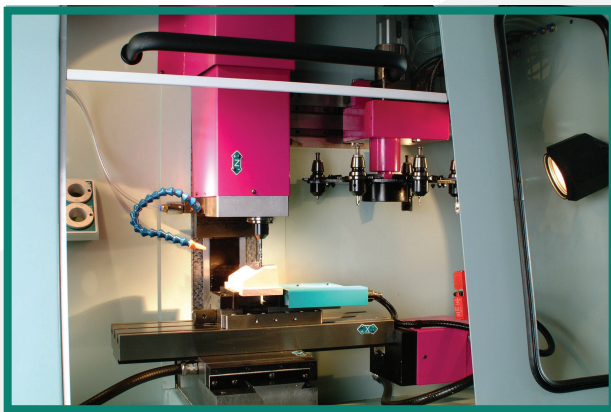


CNC Machining Centres

The Boxford range of 3-axis CNC Machining centres offer unrivalled performance and ease of use. Within a matter of minutes 2½D components incorporating pockets, slots, holes and text can be designed, simulated and manufactured in a variety of materials.

Amazing 3D hologram photos can also be produced using the included 'image relief' software wizard. Utilising the included '3DGeoCAM' software wizard, complex 3D solid models created in virtually any CAD package, can be imported and again, machined in a variety of materials.





190VMCxi

Bench top PC controlled vertical machining centre, capable of machining precision components from mild steel, alloys, plastics and other synthetic materials. Automated accessories and robot interface port available, for FMS/CIM system integration.



300VMCi

Floor standing PC controlled vertical machining centre, capable of machining precision components from mild steel, alloys, plastics and other synthetic materials. Includes flood coolant, integrated lockable storage cupboards and removeable laptop shelf as standard. Automated accessories and robot interface port also available, for FMS/CIM system integration.

Standard features:

- USB interface
- Integrated touch sensitive control panel with illuminated push buttons to allow manual machining
- Integrated machine lighting
- Single seat of Boxford 'CAD/CAM Design Tools' software (Incorporating Techsoft 'Mill Design' & import wizards for creating 2, 3 and 4 axes machining routines from 2D and 3D CAD files, JPEG and BMP image files and Gerber PCB files)

Optional accessories:

- Comprehensive tooling set
- Comprehensive tool holder set
- Automatic tool changer
- Precision machine vice
- Automatic pneumatic vice
- Portable cabinet base with optional laptop shelf
- Air mist coolant

Specifications	190VMCi	300VMCi
X axis travel (longitudinal)	225mm	304mm
Y axis travel (cross)	150mm	157mm
Z axis travel (cross)	140mm	213mm
Table area	410x130mm	505x135mm
Spindle to table	202mm	260mm
Centre line of spindle to column	130mm	155mm
Tee slots	2 x 10mm 100mm centres	3 x 10mm 50mm centres
Spindle motor	450 watts	1260 watts
Infinitely variable spindle speeds	350-3500 rpm	200-4000 rpm
Electrics	110/220/240 V 1 phase	
Programmable feed	0-2000mm/min	0-5000mm/min
Rapid feed rate at 100%	2000mm/min	5000mm/min
Machine weight	150kg	500kg
Max dimensions (w x d x h mm)	890x610x1280	1955x820x2040