

COLCHESTER
MACHINE TOOL SOLUTIONS:



TURNING

CNC Turning Centres
CNC/Manual Combination
& Manual Centre Lathes

TORNADO: 30 years of CNC Turning
Slant bed CNC lathes with FANUC CNC control. Available in 2 & 3 axis models.



COLCHESTER TORNADO 2 & 3 axis (L - longbed models)

	SL25	SL30	SL35	SL40
Bar capacity	52mm	65mm	78mm	103mm
Power chuck dia	8"	8"(10" option)	10"(12" option)	15"(18" option)
Max turning dia	350mm	400mm	450mm	550mm
Max turning length	400mm	1000mm (L)	1000mm (L)	1500mm (L)

- FANUC Oi-TF Plus CNC control system with 15" screen & Manual Guide i
- VDI turret Swarf conveyor
- Parts catcher Renishaw tool setting probe

CNC/Manual Combination Lathes

2 and 3 axes, high performance flat-bed CNC/Manual combination centre lathes

- FANUC Oi-TF Plus CNC control system with 15" screen & Manual Guide i
- Toolroom accuracy to DIN 8605



HARRISON ALPHA XS & XC

	from	to
Swing over bed	350mm	760mm
Distance between centres	650mm	6000mm
Spindle bore	42mm	230mm

COLCHESTER & HARRISON Manual Lathes

Supplying manual centre lathes for over 100 years. Swing over bed from 330 to 1275mm diameter.

Manual Lathes: you know the models...

- STUDENT 2500
- MASTER VS3250
- TRIUMPH VS2500
- MASCOT VS2000
- MASTIFF VS1800
- MAGNUM VS, LS & HD



- Upto 1275mm swing over bed
- Upto 12,000mm between centres
- Electronic variable speed with DRO (excl Student 2500 / M300)

Colchester & Harrison conventional lathes - for high precision, manual turning: Making them ideal for applications where tight tolerances are crucial, including toolroom applications along with being built to withstand rugged, heavy-duty workshop turning in maintenance shops.

NEW for 2024



COLCHESTER STUDENT CNC

with FANUC Oi-TF Plus CNC control system with 10.4" display + manual guide i

Fitted with the latest Fanuc CNC controls provides the user with ultimate flexibility in programming, including ISO, conversational Manual Guide i, or via CAD/CAM. Ideally suited for education & industrial applications.





COLCHESTER
MACHINE TOOL SOLUTIONS:



MILLING
VERTICAL MACHINING
CNC MILLING
MANUAL MILLING

STORM: LINEAR or BOXWAY

An extensive VMC range from the compact EH Toolroom model to the large capacity VL2090 STORM VHG with hi-torque gearbox on 1100mm+ x axis models with BT50 taper



Colchester
STORM VL SERIES

	COLCHESTER STORM VMCs		
	EH-610 Toolroom	VL Linear Series	VH & VHG Boxway Series
XYZ Travels - from:	610 x 350 x 460mm	550 x 410 x 460mm	510 x 410 x 460mm
XYZ Travels - to:	-	2000 x 900 x 850mm	2000 x 900 x 800mm
Table capacity - upto:	350kg	2000kg	2500kg

- ✓ Choice of Siemens, FANUC or Heidenhain CNC control systems
- ✓ Industry 4.0 ready.
- ✓ Wide range of machine options including multi axis tables



Manual & CNC Turret & Bed Milling Machines

R8 & ISO.40 spindle tapers.
Industry standard CNC control options.

The **NEW Colchester CV400 CNC Milling machine** is equipped with the latest Fanuc Oi-MF plus control with Manual guide i, that provides the user with exceptional flexibility in programming. Fully compatible with CAD/CAM systems.

- ✓ FANUC Oi-TF Plus CNC control system with 10" screen & Manual Guide i
- ✓ Precision ballscrews on X,Y, Z axes
- ✓ CV400 includes: Interlocked table guard & Manual pulse generator

Colchester CNC CV400 Turret Milling Machine:

Shown with FANUC Oi-MF Plus control with Manual Guide i



Colchester SP150VS & SP250VS Turret Milling Machines: Shown with optional interlocked table guard and Digital Readout



The widest range:
scan me...

High Precision:
The Colchester SP Turret series provides a higher degree of accuracy with a spindle runout of 0.003mm

Toolroom or Heavy Duty:
Colchester SP Turret series available with dovetail or square ways

Bed type with large capacity:
Increased XYZ travels, spindle power and torque, and designed for heavier milling capabilities

- ✓
- ✓
- ✓

