Specification	Colchester MultiTurn 3000
Height of centres	230mm
Distance between centre	1500mm & 2000mm
Swing over bed	460mm
Swing in gap	730mm
Gap width from faceplate	216mm
Swing over cross slide	270mm
Spindle bore	78mm
Spindle nose	Camlock D1-8
Spindle centre height from floor	1145mm
Taper in nose bush	No. 5 MT
Spindle speed ranges	(1 to 247 rpm) (1 to 740 rpm) (1 to 2200 rpm)
Speed Motor S3-40%	11kW
Constant power range	71 – 2200 (7.5kW)
X-Axis working stroke	296mm
X-Axis Thrust (@ stall torque)	5.97kN
X Axis Programmed rapid traverse rate (G00)	8m/min
X-Axis Manual mode traverse rate (jog)	3m/min
X-Axis CNC rapid traverse rate (jog)	2m/min
X-Axis maximum programmed feedrate	7750mm/min
Z-Axis working stroke	1530mm
Z-Axis Thrust (@ stall torque)	12.53kN
Z-Axis Programmed rapid traverse rate (G00)	10m/min
Z-Axis Manual mode traverse rate (jog)	6m/min
Z-Axis CNC rapid traverse rate (jog)	2m/min
Z-Axis maximum programmed feedrate	7750mm/min
Types of thread	Metric / Imperial / Diametral / Module
Width over bed ways	400mm
Width of cross slide	204mm
Cross slide travel	310mm
Tailstock quill diameter	95mm

Tailstock quill travel	145mm
Tailstock quill taper	No. 6 MT
Standard electrics	400V AC + 10%/-15% 50/60Hz
Electrical supply required	15kVA

Colchester MultiTurn 3000

Standard Equipment

Siemens 828D Control with ShopTurn and Manual Machine Plus

Manually operated tailstock

315mm (12") O/D.- 90mm I/D. 3-Jaw geared scroll, super precision (Class 1), self centering chuck

Dickson Quick Change Toolpost with 4 std. & 1 Vee & 1 No.3 MT Holders & wrenches

Electrically interlocked chuck guard

Fully enclosed interlocked guarding

Independent sliding operators console

300100 - Machine Lighting

29010L - Standard Electric Coolant Pump, Tank, Hose & fittings

11010B – Set of machine mounting pads

11011A - Machine Toolbox Comprising :-

Centre Bush, No 3 MT Centre, No 4 MT Centre, 22mm x 24mm Spanner, Set of Metric Wrenches, Grease Gun

Automatic Slideway & Ballscrew Lubrication

Swarf tray (Roll-out)

Operation & Spare Parts Manual. Accuracy chart

Hands on Tutorial & Quick reference Guide booklets

Standard Control Features include:-

Tool nose radius compensation	- ISO / ShopTurn
512 / 1024 Tools / Cutting Edges	- ISO / ShopTurn
Program Guide	- ISO / ShopTurn
CNC User Memory 8GB	- ISO / ShopTurn

Additional Mem / CF Card - USB	- ISO / ShopTurn
3D Simulation	- ISO / ShopTurn
DXF Reader	- ISO / ShopTurn
ShopTurn Step Programming	- ISO / ShopTurn
Real Time Simulation	- ISO / ShopTurn
Residual Material Check	- ISO / ShopTurn
Technology Cycles	- ISO / ShopTurn
Energy Monitoring	- ISO / ShopTurn
Onboard Help	- ISO / ShopTurn
Sinumerik Programming language	- ISO / ShopTurn
Ethernet Link	- ISO / ShopTurn
Background editing	- ISO / ShopTurn
Machine alarm diagnostics	- ISO / ShopTurn
Constant Surface Speed	- ISO / ShopTurn
Coms - RS232 - CF Card - USB	- ISO / ShopTurn

Colchester MultiTurn 3000 CNC teach lathe

Colchester MultiTurn 2000 Manual/CNC Lathes