



# MAGNUM HD Lathe Series

Large capacity flatbed Manual & CNC Lathes

# Colchester Magnum HD Series Centre & CNC lathes

The Colchester Magnum HD series of large capacity, high specification centre and CNC lathes gives more versatility to specialised turning applications. Magnum HD centre and CNC lathes are all manufactured with a one piece bed, floor type casting and are subjected to the same rigorous quality control processes as our other world renowned Colchester and Harrison lathe ranges.



## MAGNUM HD Series Centre Lathe Specifications

	Magnum HD 880	Magnum HD 1010	Magnum HD 1135	Magnum HD 1275
CAPACITY				
Centre height	445mm	510mm	575mm	645mm
Swing over bed	880mm	1010mm	1135mm	1275mm
Swing over cross-slide	615mm	745mm	875mm	1015mm
Swing in gap	1340mm	1470mm	1600mm	1740mm
Gap width from headstock	600mm			
Distance between centres	1500 / 2000 / 3000 / 4000 / 5000 / 6000 / 7000 / 8000 / 9000 / 10000 / 11000 / 12000mm			
BED				
Width (w/o auxilliary guide)	560mm			
Width (with auxilliary guide)	660mm			
CARRIAGE				
Cross slide travel	670mm			
Compound rest travel	450mm			
4-way toolpost width	205mm			
HEADSTOCK				
Spindle motor power	22kW (30kW / 37kW option)			
Spindle bore	154mm to 560mm			
Spindle nose	A2-11 to A2-28			
TAILSTOCK				
Quill diameter	115mm			
Quill thread	200mm			
Quill inner taper	MT6			
Bearing surface on bedways	500mm			



## MAGNUM HD Series CNC Lathe Specifications

	Magnum HD CNC 880	Magnum HD CNC 1010	Magnum HD CNC 1135	Magnum HD CNC 1275
CONTROLLER	FANUC 0I-TF (Siemens with Shopturn option)			
CAPACITY				
Centre height	445mm	510mm	575mm	645mm
Swing over bed	880mm	1010mm	1135mm	1275 mm
Swing over cross-slide	505mm	630mm	760mm	900mm
Distance between centres	1500 / 2000 / 3000 / 4000 / 5000 / 6000mm			
BED				
Width	560mm			
CARRIAGE				
Cross slide Width	350mm			
HEADSTOCK				
Spindle motor power	30 / 37kW (37.5 / 45kW option)			
Spindle bore	154mm to 420mm			
Spindle nose	A2-11 to A2-28			
TURRET				
Standard toolpost	Hydraulic 4 way toolpost (VDI Disc option)			
No. of tool stations	4 / 8 or 12			
Tool shank cross section	32 x 32mm			
Tool shank diameter max.	63.5 mm			
TRAVEL				
Cross Slide (x-axis) travel	630mm			
Longitudinal (z-axis) travel	1500 / 2000 / 3000 / 4000 / 5000 / 6000mm			
Cutting feed rate	X axis: 0.001~250, Z-axis: 0.001~400 mm/rev			
Rapid travel	X-axis:6, Z-axis: 7.5 m/min			
Ball screw diameter	X-axis:50, Z-axis: 80mm			
TAILSTOCK				
Quill type	Built-in type, dead tailstock quill			
Quill diameter	145mm			
Quill travel	200mm			



# Support & Service



## Buy Spare Parts

With over £4 million of Colchester, Harrison & Clausing spares, our experts are there to help you identify the correct replacement part and ensure prompt delivery every time.



## Valuable Training

Whether it's when your new machine arrives, or more intensive courses to ensure that you make the most of your machine tool, our applications specialists are there to support you.



## Reliable Servicing

Our factory trained engineering team are always available to support your machine tool, either through our dedicated helpdesk or out in the field.



## Delivery & Installation

Our highly trained transport and service teams are on-hand to effectively deliver, install and commission your machine tool exactly to your satisfaction.



## Machine Tool Finance

Colchester Machine Tool Solutions offer a range of innovative and highly competitive finance packages to support your machine tool purchase.



## Preventative Maintenance

We work closely with you on a range of preventative maintenance contracts ensuring your assets are utilised fully, whether for one machine or a workshop of our machine tools.



If you would like to arrange a demonstration or discuss your specific needs, please contact our sales team on

01924 415 000 | [mail@colchester.co.uk](mailto:mail@colchester.co.uk)



CertificateNo.FM12345

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