



**PRODUCT
RANGE**

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The World Turns On Colchester

Precision, Performance & Reliability

Colchester Machine Tool Solutions has been manufacturing lathes for over 130 years, over which time we've gained the trust of the machining industry across the world. All of our products are designed and manufactured to exceed the highest international quality and safety standards, with precision, performance, and reliability at the forefront.

British designed and engineered

Our core machine tools are British designed and engineered, providing years of outstanding service with the absolute minimum of maintenance. Backed by our highly skilled customer support team, our machines provide greater longevity and an outstanding return on investment.

Solutions, not just machine tools

We do a lot more than just supply machine tools. We are a solutions-based company, meaning that we will always go the extra mile to fulfil a customer's exact requirements.

Whether that be specific health & safety features to meet precise workshop standards, or enhancing a machine tool to better accommodate certain parts or materials you may be working with. A purchase from us doesn't have to be 'off-the-shelf'. Our solutions-based ethos carries throughout sales, design, manufacture & aftercare to ensure you get the right machine for the right job.

We also provide global customer support, which includes spares and servicing. Our experienced, factory-trained engineers and support staff offer a speedy response to your needs.

- > **Trusted in industry for over 100 years**
- > **Globally over 100,000 machines in operation**
- > **Bespoke design & engineering consultancy**
- > **Extensive product training**
- > **Preventative maintenance & servicing packages**
- > **Nationwide engineer support**
- > **Financing & part exchange packages**
- > **Fast despatch of spares & accessories**

Storm Vertical Machining Centres

Introducing our new generation of CNC vertical milling machines, offering exceptional machining performance and outstanding value for money. Combined with Colchester's unrivalled heritage and trusted after sales support makes the STORM VMC the ideal machine tool for all engineering and manufacturing businesses.

All Storm VMC models are available with a choice of Siemens, FANUC or Heidenhain CNC control systems, with integrated safety as standard.

VL Series (linear guideways)

The Storm VL VMC range combines a high-speed spindle with precise linear guideways, ensuring outstanding efficiency, accuracy and value throughout its lifetime. Exceptional design, process control and build quality means that versatility and rigidity are integrated as standard, leading to superior component finish which is performed smoothly and easily.



Tech Spec VL Series

**Min. travel
(XYZ) (mm)**
550 x 410 x
460

**Max. travel
(XYZ) (mm)**
2,000 x 900 x
850

**Table Size
(mm)**
600 x 320 -
2,200 x 850

**Table Load
(kgs)**
350 - 2,000

**Max. Spindle
Speed (rpm)**
15,000

**Machine
Weight (kgs)**
2,800 - 17,390

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information



VH Series (box ways) VHG Series (geared head)

Storm VH is a range of heavy-duty box-way VMCs. The VH VMC range is also available with a geared head spindle configuration for heavier cutting applications, ensuring higher material removal rates while maintaining high precision and vibration-free machining.



EH-610 Toolroom

Engineered for efficiency

With a compact footprint and highly rigid box way design, this highly versatile VMC offers high precision machining ideal for industry and education.



Tech Spec EH-610 Toolroom

**Max. travel
(XYZ) (mm)**
610 x 350 x
460

**Table Size
(mm)**
710 x 350

**Table Load
(kgs)**
350

**Max. Spindle
Speed (rpm)**
10,000 (12,000
option)

**Machine
Weight (kgs)**
2,600

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information



Tornado CNC Turning Centres

Tornado is a comprehensive range of high performance slant bed production CNC turning centres. Available in 2-axis and 3-axis (MillTurn) configurations and suited to all sectors of engineering, manufacturing and education, Tornado offers exceptional return on investment.

All machines are highly rigid in construction and utilise linear guideway technology for fast, precise and smooth machining, compact in footprint and ergonomically designed for operator use and comfort.

A high quality meehanite cast iron construction ensures superior rigidity and accuracy. Combined with precise linear guideways ensures outstanding machining efficiency and value throughout its lifetime.

The combination of Colchester's unrivalled heritage and trusted after sales support makes the Tornado CNC turning centres the ideal machine tool for all engineering and manufacturing businesses.



Tech Spec 2-axis

Swing Over
Bed (mm)
530 - 750

Max. Cutting
Diameter
(mm)
350 - 550

Max. Cutting
Length (mm)
400 - 1,500

Max. Spindle
Speed (rpm)
5,000

Spindle
Motor Power
(kw)
11 - 37

Spindle Bore
Size (mm)
52 - 103

Scan for more
information



Tech Spec 3-axis

Swing Over
Bed (mm)
530 - 750

Max. Cutting
Diameter
(mm)
280 - 550

Max. Cutting
Length (mm)
380 - 1,380

Max. Spindle
Speed (rpm)
5,000

Spindle
Motor Power
(kw)
11 - 37

Spindle Bore
Size (mm)
52 - 103

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information



Why Tornado CNC Turning Centres?

- Shorter cycle times due to higher acceleration rates and higher axes traverse rates
- Designed and constructed for advanced thermal stability for more accurate machining, improved surface finish and less susceptible to thermal drift
- Ergonomic design
- Conversational programming (no requirements for complex ISO programming)
- Longevity of machine with total customer support
- Rapid applications support
- Service and spare parts support, with parts stocked on-site for quick delivery
- Customisation available
- Turnkey solutions

Standard Features

- FANUC 0i-TF Plus CNC control system with 15" screen & Manual Guide i (option of Siemens 828D CNC control systems with 15" screen and ShopTurn)
- VDI auto indexing tool turret
- Swarf (Chip) conveyor
- Parts catcher
- Renishaw tool setting probe
- 20 bar coolant system
- LED status lights
- Easy access to work zone
- Compact footprint with large machining envelope
- Automation & Industry 4.0 ready

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Alpha Manual/CNC Combination Lathes

Alpha XS & XC series lathes are fitted with the latest state-of-the-art customised Fanuc CNC control that gives you the option of 4 ways of working from manual operation, conversational operation, full automatic operation and offline CAD/CAM programming making the Alpha X series the ultimate turning machine.

XS 2-axis

The Harrison Alpha XS CNC/manual combination lathe range is designed for fast, high-quality repeatability, accuracy and surface finish to exacting toolroom accuracy standards (DIN 8605), which ultimately significantly reduces component production costs.

XC 3-axis

The Harrison Alpha XC MillTurn range incorporates turning with milling, drilling and tapping functionality, reducing the need for second operation production.



Tech Spec XS 2-axis

Distance
Between
Centres (mm)
650 - 6,000

Swing Over
Bed (mm)
350 - 760

Spindle Bore
(mm)
42 - 104 (155
or 230 option)

Max. Spindle
Speed (rpm)
3,500

Spindle
Motor Power
(kw)
7.5 - 18.5

Scan for more
information



The Ultimate Turning Machine

All Alpha X series lathes are fitted with a customised FANUC control that gives you the option of manual or automatic operation via a simple key switch. In manual mode, the control employs the latest upgraded version of Colchester Machine Tool Solutions' own "Alpha System", which is acclaimed by thousands of Alpha users to be the simplest and most shop floor friendly teaching lathe control in the world.

Tech Spec XC 3-axis

Distance
Between
Centres (mm)
1,250 - 6,000

Swing Over
Bed (mm)
400 - 760

Spindle Bore
(mm)
55 - 155

Driven Tool
Speed (rpm)
5,000 - 6,000

Driven Tool
Power (kw)
2.2 - 8

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information



Student CNC Lathe

The compact Colchester Student CNC lathe is designed and engineered in the UK using the same construction as the market leading Colchester Student geared head centre lathe. Fitted with the latest FANUC CNC controls gives the user ultimate flexibility in programming, including ISO, conversational Manual Guide I, or via CAD/CAM. Ideally suited for education and industrial applications.

Designed for fast, high-quality repeatability, accuracy and surface finish to exacting toolroom accuracy standards (DIN 8605), which ultimately significantly reduces component production costs.

Standard Features

- FANUC 0i-TF Plus CNC control system with 10.4" colour screen
- Manual Guide I conversational programming system
- Alpha Link CAD/CAM offline programming software
- PBI Super Precision 3-Jaw scroll chuck
- Dickson quick change tool post and tool holders
- Automatic slideways and ballscrew lubrication system
- Manual tailstock
- Coolant pump system
- Machine work light
- Easy access to work zone
- Compact footprint
- Automation ready
- Industry 4.0 ready
- Easy installation



Tech Spec

**Distance
Between
Centres (mm)**

1,000

**Swing Over
Bed (mm)**

330

**Spindle Bore
(mm)**

40

**Spindle
Speed (rpm)**

3,000

**Spindle
Motor Power
(kw)**

5.5

Scan for more
information



Manual Centre Lathes

Colchester & Harrison manual centre lathes are renowned worldwide for quality and reliability. Built to withstand rugged, heavy duty use, our lathes give years of outstanding service with the absolute minimum of maintenance. At the same time, all Colchester & Harrison manual lathes are capable of very fine precision turning.

Our entire range gives you exceptional ease of use and a huge choice of optional and ancillary equipment guarantees top of the range performance, even for the most complex and challenging jobs.

Student / M300 & Student VS

The Colchester Student 2500 / Harrison M300 are robust, versatile centre lathes, available as geared head or variable speed spindle drive, these truly are the ultimate training lathes and are the number one lathe for education worldwide.

The Student / M300 lathe has features for easy control of its comprehensive capabilities. It has the power to deal with heavy metal removal, at the same time offering precision for fine tolerance turning.

The Student / M300 is a full-function machine capable of the entire range of turning operations, and through the available range of accessories its scope and versatility can be increased even further. Quality, reliability and longevity make it one of the most outstanding lathes of its kind and is ideally suited for industry, the toolroom, training and secondary and tertiary education applications.



Tech Spec Student

Distance Between Centres (mm)
635 - 1,000

Swing Over Bed (mm)
330

Spindle Bore (mm)
40

Max. Spindle Speed (rpm)
2,500
(VS - 3,000)

Spindle Motor Power (kw)
2.2

Scan for more information



Master / V350 Triumph / V390

The Colchester Master VS 3250 / Harrison V350 and Colchester Triumph VS 2500 / Harrison V390 are robust, versatile, variable speed centre lathes, renowned for superior performance providing outstanding value for money.

These rugged centre lathes introduce the latest technology to meet the machining requirements of modern tooling. Heavy metal removal and fine precision finishing are accomplished on this superb machine smoothly, quietly, and efficiently. A comprehensive range of accessories are available to further enhance the lathes' scope and versatility. Each variable speed model is fitted as standard with the very latest state of the art ACU-RITE digital readout systems and linear encoders.

ACU-RITE digital readouts (DRO) make your manually-operated machine tools more profitable, improve productivity and raise the quality of the machined workpiece. The large LCD display clearly shows the actual axis positions. The context-sensitive graphical user guidance makes working with ACU-RITE digital readouts a pleasure.

All DRO's have integrated as standard constant surface speed (CSS) control. This powerful feature dramatically increases productivity over conventional centre lathes by automatically controlling the spindle speed during machining.

The standard DRO with integrated CSS functionality allows exactly the right speed for every job so tools perform better, cycle times are optimised and quality greatly improves.



Triumph VS / V390

Tech Spec

Distance Between Centres (mm)
Master - 650
Triumph - 650/1,250

Swing Over Bed (mm)
Master - 350
Triumph - 400

Spindle Bore (mm)
Master - 42
Triumph - 54

Max. Spindle Speed (rpm)
Master - 3,250
Triumph - 2,500

Spindle Motor Power (kw)
7.5

Scan for more information



Manual Centre Lathes

Mascot / V460 Mastiff / V550

The Colchester Mascot VS 2000 / Harrison V460 and Colchester Mastiff VS 1800 / Harrison V550 are heavy weight variable speed centre lathes designed and built to withstand rugged, heavy duty machining. All our lathes give years of outstanding service with unrivalled return on investment.

Heavy metal removal and fine precision finishing are at the core of all our centre lathes performance. Our range offers a vast choice of optional accessories and equipment, further enhancing the performance and versatility to tackle even the most complex and challenging machining operations.

Each variable speed model is fitted as standard with the very latest state of the art Acu-rite digital readout systems and linear encoders.

All DRO's have integrated as standard constant surface speed (CSS) control. This powerful feature dramatically increases productivity over conventional centre lathes by automatically controlling the spindle speed during machining.

The standard DRO with integrated CSS functionality allows exactly the right speed for every job so tools perform better, cycle times are optimised and quality greatly improves.



Mascot VS
/ V460

Tech Spec

Distance Between Centres (mm)

Mascot - 1,000
- 2,000
Mastiff - 1,000
- 4,000

Swing Over Bed (mm)

Mascot - 460
Mastiff - 550

Spindle Bore (mm)

Mascot - 76
Mastiff - 104

Max. Spindle Speed (rpm)

Mascot - 2,000
Mastiff - 1,800

Spindle Motor Power (kw)

11

Scan for more
information



Magnum / V660 Magnum LS / V800

With a swing capacity of 670mm, the Colchester Magnum / Harrison V660 manual centre lathe is built to withstand rugged, heavy duty use for customers in the heavy turning sector. Its 'big brother', the Colchester Magnum LS / Harrison V800, has a greater swing capacity of 820mm.

Colchester's heavy duty centre lathes are renowned for the best quality and highly reliable turning machines that give outstanding service, requiring the absolute minimum of maintenance over their working life.

The Magnum & Magnum LS manual centre lathes have the power, strength and standard production features to meet almost any large turning requirement in the field of oil and gas, power generation, utilities and shipbuilding.

Tech Spec Magnum

Distance Between Centres (mm)

1,500 - 6,000

Swing Over Bed (mm)

670 (LS - 820)

Spindle Bore (mm)

104 - 230

Max. Spindle Speed (rpm)

1,800

Spindle Motor Power (kw)

20

Scan for more
information



Magnum / V660

Large Capacity Heavy Duty Lathes

The Colchester Magnum Heavy Duty (HD) Manual and CNC Lathe range both have 4 versions based on swing over bed of 880mm, 1010mm, 1135mm and the 1275mm. Manufactured with a one-piece bed, floor type casting, the Magnum HD series of large capacity, high specification manual and CNC lathes give more versatility to specialise, ultra heavy duty machining applications.

The high-quality casting construction assures optimum rigidity and stability for years of trouble-free operation. Machines are available in up to 12m distance between centres and are ideal for ultra heavy duty, large capacity applications.

Magnum HD

Each Magnum HD model comes with many outstanding features and accessories, including:

- One piece bed, floor type casting
- Alloy steel spindle with opposed taper roller bearings
- 2 shear bed way with extra way supporting the apron
- All ways are hardened and ground.
- Hardened and ground gears and shafts
- Electromagnetic spindle brake
- 4-way tool post and tool holders
- Manual tailstock with saddle pin body movement
- Coolant pump system
- Machine work light
- 18 speed geared headstock
- Rapid power traverse to saddle, cross slide and top slide



Magnum HD

Magnum HD CNC

- One piece bed, floor type casting
- Alloy steel spindle with opposed taper roller bearings
- FANUC 0i-TF Plus CNC control system with 10.4" colour screen
- Manual Guide I conversational programming system
- 4-way hydraulic tool post and tool holders
- Automatic slideways and ballscrew lubrication system
- Carriage driven tailstock with manual quill movement
- Coolant pump system
- Machine work light
- Rear swarf conveyor with swarf cart
- 4-step auto change variable speed headstock

All Magnum HD CNC machines have the options to be fitted with Siemens 828D CNC control system with 10.4" colour screen with ShopTurn conversational programming system.

In addition to the Magnum HD CNC lathe range, MillTurn option can be incorporated to combine turning with milling, drilling and tapping functionality, reducing the need for second operation production.

Tech Spec Magnum HD

**Distance
Between
Centres (mm)**
1,500 - 12,000

**Swing Over
Bed (mm)**
880 - 1,275

**Spindle Bore
(mm)**
154 - 560

**Spindle
Speed**
A2-11 to
A2-28

**Spindle
Motor Power
(kw)**
22 (30/37
option)



Magnum HD



Magnum HD
CNC

Manual Turret Mills

SP150VS & SP520VS

The SP range offers a higher degree of accuracy over standard knee type mills, with spindle runout of 0.003mm, compared to 0.005mm on standard mills.

The spindles are hardened and ground and all slideways are precision hand scraped for accuracy. With a choice of 2 models offering dovetail and square ways, the SP range offers flexibility for training and toolrooms alike.

Options Available

- Air Power drawbar (standard on SP520VS model)
- Y-axis power feed
- Interlocked table guard
- 2 or 3-axis Acu-rite Digital Readout



Tech Spec

Table Size (mm)

SP150VS - 230
x 1,245
SP520VS - 254
x 1,370

Spindle Diameter (mm)

SP150VS - 85
SP520VS - 105

Spindle Taper

SP150VS -
R8 / ISO30
SP520VS -
ISO40

Spindle Motor Power (kw)

SP150VS - 2.25
SP520VS - 3.7

Scan for more information



CNC Turret Mills

CV 400

The Colchester CV400 CNC Turret Mill is one of the most versatile machines for Education and Industry alike. Fitted with the Fanuc 0i-MF plus control with Manual guide i, it gives the user flexibility in programming, allowing even the basic of machinists to be producing parts in a few hours. Fully compatible with CAD/CAM systems.

Standard Equipment

- Fanuc 0i-MF Plus control with Manual Guide i
- MPG hand wheel
- Precision ballscrews on X, Y, & Z
- Interlocked table guard
- Machine toolkit
- Air power drawbar



Tech Spec CV 400

Table Size (mm)
254 x 1,370

Spindle Speed (rpm)
5,000

Spindle Taper
ISO30

Spindle Motor Power (hp)
3

Max. Table Load (kg)
350

Scan for more information



Drills

Pillar Drill

Colchester pillar drills are high specification, heavy duty and offer great features as standard for superior performance.

- Heavy duty industrial drilling machines complete with variable speed settings
- Belt drive or heavy duty gear transmission
- Bench or floor mount



Tech Spec

Max. Drilling Capacity in Steel (mm)
70

Max. Tapping Capacity in Steel
M50

Spindle Drive
Belt or Geared Head

Drill Taper
M3 to M5

Fixed or Rotating Table

Scan for more information



Grinders

Manual & Automatic Grinders

Colchester surface grinders give superior precision grinding performance and superb value for money.

Standard Features

- High precision cartridge spindle
- Anti-wear guideways coated with 'TURCITE-B'
- Enlarged column and base create high stability and rigidity
- Automatic lube system for greater longevity
- Timing belt table drive with high tensile steel cores, ensuring smooth table movement & longevity
- Heavy-duty cast iron construction



ASDIII PLC touch panel (Automatic Grinder only)



Tech Spec

Manual Grinder

Table Size (mm)
152 x 460 -
406 x 1,020

Max. Grinding Length (mm)
1,020

Max. Grinding Width (mm)
410

Spindle Power (kw)
1.5 - 5.5

Scan for more information



Work Holding

Pratt Burnerd International is a leading supplier of high precision, high-quality manual and power chucking solutions, supplying both to industrial subcontractors and OEM's globally.

Manual & Power Chucks

Widely used for many years on the world's most popular manual lathes, the Pratt Burnerd Super Precision chuck is ideal for all high speed applications. The body is made from high strength nodular iron with hardened and ground jaw strips for extended working life. Through the body mounting holes allow for easy fitting and a wide range of fully machined adaptor plates to suit most common spindle noses are readily available.

The Gripfast Combination Power Chuck is designed for ultra-quick jaw changes in seconds - ideal for small batch production on CNC lathes and turning centres. It now comes in 5 and 6 jaw versions to handle delicate components and doubles as a collet chuck, making the Gripfast the ultimate high speed, quick change power chuck.

PBI hydraulic power chucks have a repetitive gripping accuracy of 0.025mm TIR and are fitted with the setrite feature as standard. Designed specifically for use on CNC lathes.

Self-contained pneumatic power chucks have a built-in air cylinder actuated by an interlocked control unit, or they can be interfaced directly from the lathes own control system.



Scan for more information



Tool Holding

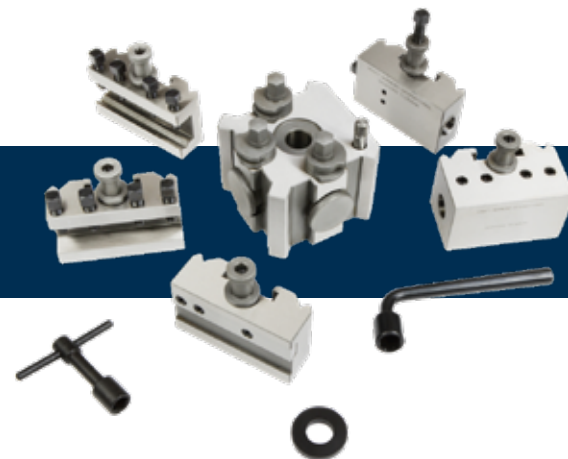
Dickson Quick Change Toolpost

The world renowned Dickson Quick Change Toolpost was developed as a major advancement from the conventional four way toolpost and this simple, robust design uses hardened and ground components to give high levels of accuracy and repeatability.

A versatile range of supplied toolholders can be interchanged in seconds, providing a flexible approach to machining, giving proven significant set-up time savings.

Centre height adjustment is achieved in seconds with a simple knurled nut, eliminating the need for packing pieces. Dickson Quick Change Toolpost kits are supplied with 4 off standard toolholders and 1 off V / boring bar toolholder as standard.

Additional morse taper, plain bore, parting off and extended toolholders are also available as options. The stud assembly which attaches the toolpost onto the machine top slide are also available.



Scan for more information



Lightning Permanent Laser Marking System

Lightning is powerfully simple – an affordable permanent laser marking system with robust marking capabilities. Featuring a high-quality MOPA fiber laser source, Lightning can effortlessly and effectively mark a large range of metal and plastics at the press of a button.

Features & Benefits

- MOPA fiber laser source provides high-quality and effortless marking
- 15 selectable pulse durations means that Lightning can mark a wider range of metal and plastics than a basic q-switched fiber laser system.
- Desktop solution with a compact footprint, can also be mounted on a trolley to allow great maneuverability
- Lightning's easy setup and maintenance enables excellent ease of use for the operator
- A RAL (Red Aiming Laser) allows you to accurately position the part before starting the marking process.
- Programmable Z axis removes the need for focus finding, simply input the part height and let the software do the rest.
- EZCAD user-friendly software allows the operator to create text or image-based graphics and fine tune in real-time
- Optional extras include larger marking fields, higher wattage laser sources, rotary devices for radial marking and fume extraction.

PERFECT FOR

Personalisation



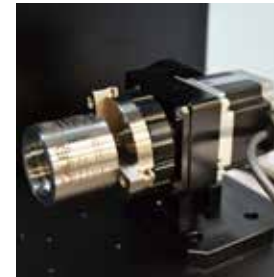
Serial/Part Numbers



Plus bar codes & more!

Powerfully simple, with robust marking capabilities.

Optional Accessories



Rotary Device



Upgraded Lens



Tech Spec

Laser Type
MOPA fiber

Standard
Marking
Field (mm)
100 x 100
(163 x 163
upgrade
available)

Standard
Max Part Size
(mm)
W374 x L290 x
H250

Wattage (W)
20

Support

With over 100,000 machines in operation, Colchester Machine Tool Solutions commitment to you doesn't stop when you purchase your machine tool. Not only will you gain ownership of a high quality machine tool, but you will also have access to a level of service that your investment deserves.

From a quick sales visit and quotation through our highly trained sales force/worldwide distribution partners, to a fast and efficient service and spares department, in the unlikely event that you experience problems with your machine tool, we're here to support you every step of the way.

We have a stock inventory of over £4 million of spare parts at our European Technology Centre in West Yorkshire that can be despatched to you on the same day, to minimise any machine downtime you may incur.



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.



Reliable Servicing

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



Machine Tool Finance

We offer a range of innovative and highly competitive finance packages to support your machine tool purchase.



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.



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.



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.

Engineered For Education

Colchester Machine Tool Solutions is Engineered For Education, meaning that we have made a commitment to sharing knowledge and giving opportunities to the next generation of machinists and operators.

Through this, we supply to official training facilities such as universities & colleges throughout the UK & Europe with high quality manual & CNC machine tools at competitive prices. We also offer:

- Full telephone support from our applications team
- Specialised training for tutors (“train the trainer”) and students
- Machine tool manuals (digital or printed)

Safety Features

All of our machine tools meet and exceed all international safety standards & CE regulations, with many enhanced safety features available as options including:

- Additional emergency stop devices
- Additional guarding interlocks
- Additional machine guarding

Colchester Machine Tool Solutions’ range of education machine tools and workholding equipment gives you exceptional ease of use and a huge choice of optional and ancillary equipment. This guarantees top of the range performance, from the most basic, to the most complex of jobs.

Our education equipment can be found in the majority of training establishments throughout the world.

Recommended Colchester Machine Tools



Student
Manual
Centre Lathe



Student CNC
Lathe



Storm EH-610
Toolroom VMC



Manual
Turret Mill



CNC
Turret Mill

Engineering Solutions

We provide bespoke safety features and enhancements based on your exact requirements - whether it's a new machine, or a retrospective addition to your current one!

Our experienced design engineers use the latest 3D computer modelling software and collaborate with you to develop innovative solutions across our machine tool products.



Full Feed Shaft & Third Shaft Covers

Additional Interlocked Front Sliding Guards

Additional Emergency Stop Devices



Additional Full Machine Length Safety Edge

Additional Front Retractable Swarf/Coolant Management

Additional Rear Swarf/Coolant Management

Case Study

Strata Products Ltd

Nottingham-based Strata Products Ltd is a leading UK manufacturer of home, office & garden plastic products. Their state-of-the-art factory operates 24/7 with over 35 machines injection moulding, blow moulding or rotationally moulding high quality and innovative products for their global customer base.

With such great demand and stress on their tooling, significant maintenance and machining of spare parts is required to keep it all in "tip-top condition". Colchester Machine Tool Solutions therefore took the opportunity to provide several machines fit to Strata's exact requirements.

Health & safety is paramount throughout Strata's workshop, therefore Colchester provided multiple machines with bespoke safety features, such as additional guarding, emergency stops and a paper filtration system to capture harmful materials. This was done to maintain a high level of safety precautions, as well as keep Strata's workshop running smoothly 24/7.

Ben Hyder, engineering manager at Strata, said Colchester machines are very user friendly and easy to program, as well as being very useful to correct any issues with their tooling.



All Colchester machines installed at Strata Products Ltd:

- **Manual bed mill** - with guarding and emergency knee stop
- **Surface grinder** - covered grinding table/ends for safety and a paper filtration system
- **Pillar drill** - with with ground emergency stop
- **Triumph** - with emergency knee stop
- **Student Plus** - with full guarding (as standard)



Watch the full videos on our YouTube Channel



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