



Harrison E Series Centre Lathes

Harrison E-Series: Precision Engineering Within Your Reach

In today's demanding manufacturing landscape, balancing capital expenditure with high-performance output is critical. The Harrison E-Series Centre Lathes, produced by Colchester Machine Tool Solutions, offer the perfect synergy of industry-leading precision and budget-friendly value.

Ready to Perform: The Turn-Key Solution

We believe your workshop should be up and running from day one. Every Harrison E-Series lathe comes as a comprehensive turn-key package, fully equipped with the essential accessories required for immediate operation:

- Fagor Digital Readouts (DRO): For streamlined operation and superior positional accuracy.
- Quick-Change Toolpost & Holders: Enhancing efficiency and reducing setup times.
- Precision 3-Jaw Scroll Chuck: Ensuring secure, concentric work-holding for every project.

Versatility to Suit Your Needs

No two workshops are the same. The Harrison E-Series is built with flexibility in mind, offering a range of customisable configurations to meet your specific torque and speed requirements including: -

- Variable Speed Options: Total control over spindle speeds for optimized surface finishes across various materials.
- Motor Upgrades: High-performance power options for increased material removal and productivity.
- Extensive Accessory Range: Tailor your machine with additional steadies, faceplates, and specialised tooling.

The E-Series isn't just any lathe; it is designed by Colchester. This means it carries the same DNA of the world-renowned Colchester Heritage of engineering excellence.

Invest in Accuracy. Invest in Value. Invest in the Harrison E-Series.

Harrison 13 E

Standard features:

Induction hardened & precision ground gap bed. Precision hardened & ground headstock gears.
Universal gearbox provides comprehensive range of metric, imperial, M.P. & D.P. threading.

Fully CE marked including interlocked chuck guard, leadscrew cover, travelling saddle mounted chip guard, full length rear splash guard.

- 2-Axis Fagor DRO system
- 3-Jaw scroll chuck
- Machine work light
- Quick change toolpost
- Integrated coolant system
- Maintenance tools & toolbox
- Thread dial indicator
- Centres & centre bushes
- Foot brake



- Swing Over Bed = 330 mm
- Distance Between Centres = 750/1000 mm
- Spindle Bore = 35 mm
- Spindle Power (hp) = 3

Harrison 14 E

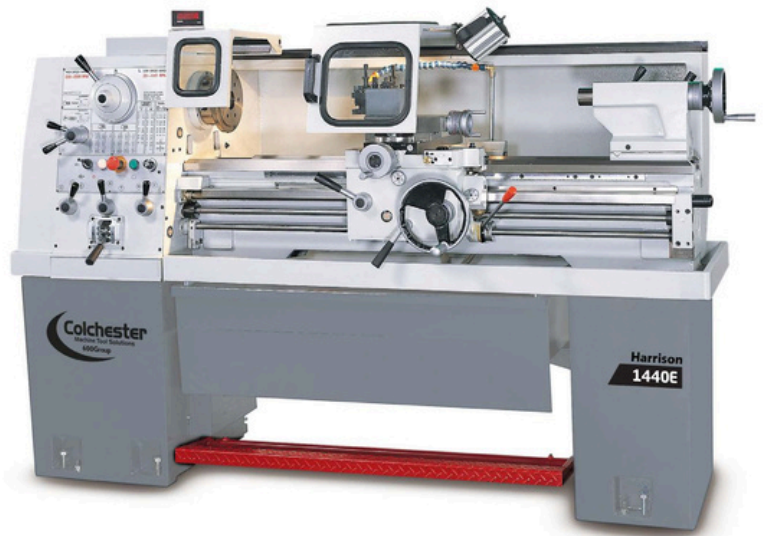
Standard features:

Induction hardened & precision ground gap bed. Precision hardened & ground headstock gears.

Universal gearbox provides comprehensive range of metric, imperial, M.P. & D.P. threading.

Fully CE marked including interlocked chuck guard, leadscrew cover, travelling saddle mounted chip guard, full length rear splash guard.

- 2-Axis Fagor DRO system
- 3-Jaw scroll chuck
- Machine work light
- Quick change toolpost
- Integrated coolant system
- Maintenance tools & toolbox
- Thread dial indicator
- Centres & centre bushes
- Foot brake



- Swing Over Bed = 360 mm
- Distance Between Centres = 750/1000 mm
- Spindle Bore = 42 mm
- Spindle Power (hp) = 3

Harrison 15 E

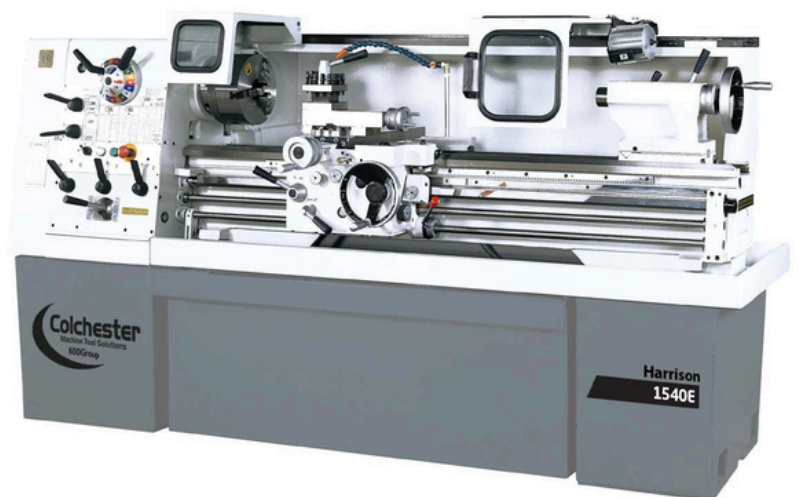
Standard features:

Induction hardened & precision ground gap bed. Precision hardened & ground headstock gears.

Universal gearbox provides comprehensive range of metric, imperial, M.P. & D.P. threading.

Fully CE marked including interlocked chuck guard, leadscrew cover, travelling saddle mounted chip guard, full length rear splash guard.

- 2-Axis Fagor DRO system
- 3-Jaw scroll chuck
- Machine work light
- Quick change toolpost
- Integrated coolant system
- Maintenance tools & toolbox
- Thread dial indicator
- Centres & centre bushes
- Foot brake



- Swing Over Bed = 390 mm
- Distance Between Centres = 760/1000/1250 mm
- Spindle Bore = 54 mm
- Spindle Power (hp) = 7.5

Harrison 20 E

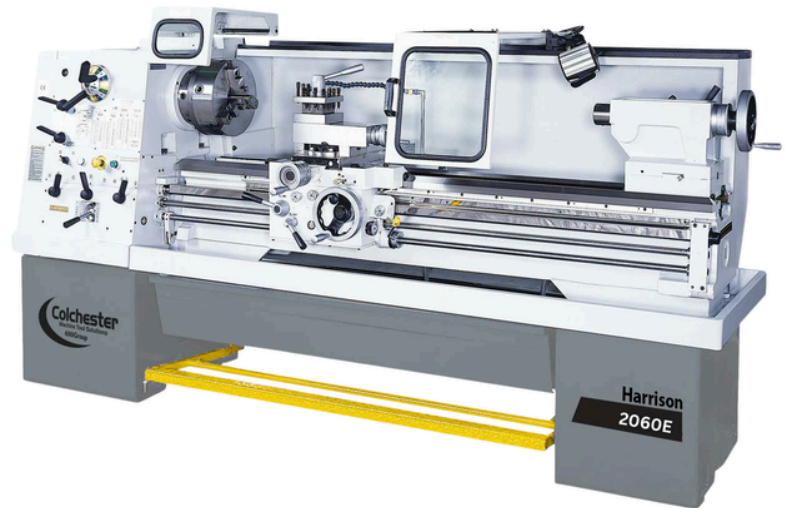
Standard features:

Induction hardened & precision ground gap bed. Precision hardened & ground headstock gears.

Universal gearbox provides comprehensive range of metric, imperial, M.P. & D.P. threading.

Fully CE marked including interlocked chuck guard, leadscrew cover, travelling saddle mounted chip guard, full length rear splash guard.

- 2-Axis Fagor DRO system
- 3-Jaw scroll chuck
- Machine work light
- Quick change toolpost
- Integrated coolant system
- Maintenance tools & toolbox
- Thread dial indicator
- Centres & centre bushes
- Foot brake



- Swing Over Bed = 510 mm
- Distance Between Centres = 1000/1500/2000/3000 mm
- Spindle Bore = 80 mm
- Spindle Power (hp) = 15

Harrison 22 E

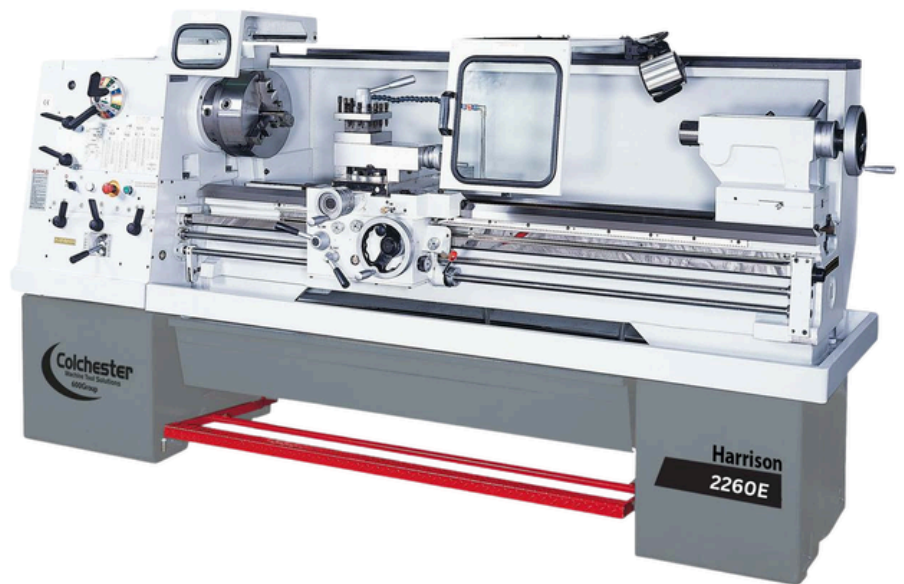
Standard features:

Induction hardened & precision ground gap bed. Precision hardened & ground headstock gears.

Universal gearbox provides comprehensive range of metric, imperial, M.P. & D.P. threading.

Fully CE marked including interlocked chuck guard, leadscrew cover, travelling saddle mounted chip guard, full length rear splash guard.

- 2-Axis Fagor DRO system
- 3-Jaw scroll chuck
- Machine work light
- Quick change toolpost
- Integrated coolant system
- Maintenance tools & toolbox
- Thread dial indicator
- Centres & centre bushes
- Foot brake



- Swing Over Bed = 560 mm
- Distance Between Centres = 1000/1500/2000/3000 mm
- Spindle Bore = 80 mm
- Spindle Power (hp) = 15

Harrison 26 E Variable Speed

Standard features:

Induction hardened & precision ground gap bed. Precision hardened & ground headstock gears.

Universal gearbox provides comprehensive range of metric, imperial, M.P. & D.P. threading.

Fully CE marked including interlocked chuck guard, leadscrew cover, travelling saddle mounted chip guard, full length rear splash guard.

- 2-Axis Fagor DRO system
- 3-Jaw scroll chuck
- Machine work light
- Quick change toolpost
- Integrated coolant system
- Maintenance tools & toolbox
- Thread dial indicator
- Centres & centre bushes
- Foot brake



- Swing Over Bed = 660 mm
- Distance Between Centres = 1000/2000/3000/4000/5000/6000 mm
- Spindle Bore = 104/155 mm
- Spindle Power (hp) = 20

Harrison 30 E Variable Speed

Standard features:

Induction hardened & precision ground gap bed. Precision hardened & ground headstock gears.

Universal gearbox provides comprehensive range of metric, imperial, M.P. & D.P. threading.

Fully CE marked including interlocked chuck guard, leadscrew cover, travelling saddle mounted chip guard, full length rear splash guard.

- 2-Axis Fagor DRO system
- 3-Jaw scroll chuck
- Machine work light
- Quick change toolpost
- Integrated coolant system
- Maintenance tools & toolbox
- Thread dial indicator
- Centres & centre bushes
- Foot brake



- Swing Over Bed = 760 mm
- Distance Between Centres = 1000/2000/3000/4000/5000/6000 mm
- Spindle Bore = 104/155 mm
- Spindle Power (hp) = 20

	Harrison 13 E	Harrison 14 E	Harrison 15 E	Harrison 20 E
Height of Centres	165mm	178mm	190mm	254mm
Bed Length Between Centres	730/1000mm	750/1000mm	700/1000/1250mm	1000/1500/2000/3000mm
Swing over Bed	330mm	360mm	390mm	510mm
Swing in Gap	510mm	560mm	610mm	760mm
Swing over Cross Slide	190mm	215mm	240mm	340mm
Spindle Bore	35mm	42mm	54mm	80mm
Spindle Nose Mounting	D1-4 Camlock	D1-5 Camlock	D1-6 Camlock	D1-8 Camlock
Morse Taper in Nose Bush	No. 4 MT	No. 5 MT	No. 6 MT	No.7 MT
Number of Speed Ranges	16 / 2 steps	8 / 2 steps	16 / 2 steps	16 / 2 steps
Range	53-2500rpm VS 40 - 2500rpm	70-2000rpm VS 35-2500rpm	25-2000rpm VS 18-2500rpm	20-1600rpm VS 16-2000rpm
Motor	3hp	3 hp	7.5hp	15 hp
Number of Metric Pitches	31	27	39	39
Range of Metric Pitches	0.2 to 7mm	0.4-7mm	0.2-14mm	0.2-14mm
Number of Imperial Pitches	36	36	45	45
Range of Imperial Pitches	4-72 TPI	4-72 TPI	2-72 TPI	2-72 TPI
Number of Diametral Pitches	21	21	21	21
Range of Diametral Pitches	8-44 DP	8-44 DP	8-44 DP	8-44 DP
Number of Module Pitches	18	18	18	18
Range of Module Pitches	0.3 to 3.5 MOD	0.3 to 3.5 MOD	0.3 to 3.5 MOD	0.3 to 3.5 MOD
Width over Bedways	140mm	250mm	270mm	345mm
Travel of Cross Slide	145mm	195mm	230mm	390mm
Travel of Top Slide	95mm	100mm	120mm	190mm
Tailstock Travel	100mm	120mm	155mm	180mm
Taper in Tailstock Barrel	No. 3 MT	No. 3 MT	No. 4 MT	No. 5 MT

	Harrison 22 E	Harrison 26 E	Harrison 30 E
Height of Centres	280mm	330mm	380mm
Bed Length Between Centres	1000/1500/2000/3000mm	1500-6000mm	1500-6000mm
Swing over Bed	560mm	660mm	760mm
Swing in Gap	810mm	860mm	960mm
Swing over Cross Slide	390mm	470mm	570mm
Spindle Bore	80mm	104/155mm	104/155mm
Spindle Nose Mounting	D1-8 Camlock	D1-8 Camlock	A2-11
Morse Taper in Nose Bush	No. 7 MT	No. 7 MT	No. 7 MT
Number of Speed Ranges	16 / 2 steps	3 steps	3 steps
Range	20-1600rpm VS 16-2000rpm	VS 20-1800rpm	VS 20-1800rpm
Motor	15 hp	20 hp	20 hp
Number of Metric Pitches	39	51	51
Range of Metric Pitches	0.2-14mm	0.2-14mm	0.2-14mm
Number of Imperial Pitches	45	73	73
Range of Imperial Pitches	2-72 TPI	2-84 TPI	2-84 TPI
Number of Diametral Pitches	21	27	27
Range of Diametral Pitches	8-44 DP	8-72 DP	8-72 DP
Number of Module Pitches	18	20	20
Range of Module Pitches	0.3 to 3.5 MOD	0.2-3.5 MOD	0.2-3.5 MOD
Width over Bedways	345mm	480mm	480mm
Travel of Cross Slide	265mm	390mm	390mm
Travel of Top Slide	130mm	190mm	190mm
Tailstock Travel	180mm	300mm	300mm
Taper in Tailstock Barrel	No. 5 MT	No. 6 MT	No. 6 MT

Support & Service



Buy Spare Parts

With over an extensive range 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 remote team or out in the field.



Machine Tool Finance

Colchester Machine Tool Solutions offers 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.

Colchester Machine Tool Solutions

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