EN

CE

LATHES

LT-SERIES

HIGH QUALITY AND OUTSTANDING PERFORMANCE



With advanced technology and improved features, they enable craftsmen and industries to achieve exceptional, accurate productivity!

HM MACHINERY

LT 250/550



The LT 250/550 has a ø26mm spindle bore, a high-precision main spindle with a high-quality FUERDA center chuck + LED work light.

It offers thread cutting, variable speed (50-2000 rpm) and operates on 1x230V power.

Furthermore, it is mounted on a base with 2 drawers and 2 cabinets. It has dimensions of ø250 mm/550 mm for optimal project space.

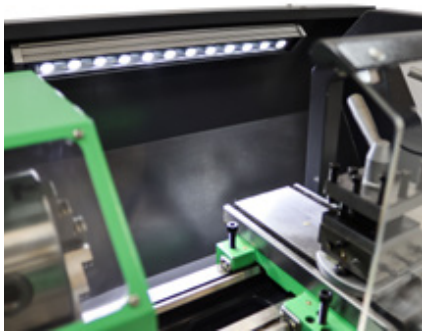


DIGITAL READOUT OF REVOLUTIONS

STANDARD ACCESSORIES:



FUERDA centering chuck with 3 jaws



Adjustable LED work light



Tool post guard with microswitch



MK-2 tailstock



Storage with rubber mats



LT 360/1000

The LT 360/1000 has a spindle bore of ø52 mm and operates in a flexible speed range of 70-2000 rpm over 8 steps.
With a 3-axis LCD display GDXH i200 with digital readout, it ensures accuracy and efficiency in your operations.

The heavy cast iron base provides stability, and the quick-change tool post makes the transition between tasks seamless.

With additional features such as a spindle brake and a high-quality center chuck, this lathe ensures outstanding performance.

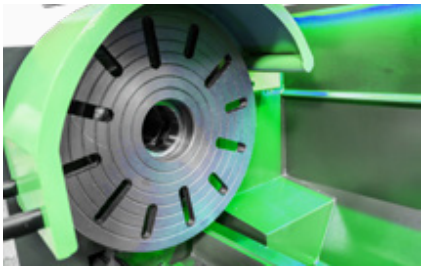
Furthermore the machine has independent emergency stop switch on both end to ensure maximum safety.



COMPLETE ACCESSORY SET INCLUDED AS STANDARD:

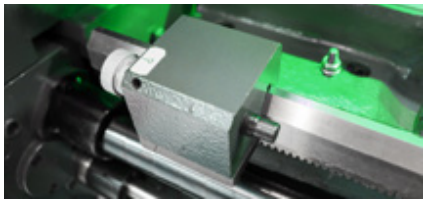

Quick-change tool post with 4 pcs. tool holder.


Fixed and included glasses


Mounting plate


2 Center chucks - one with 3 jaws and one with 4 jaws


Turning between 2 quills (MK-3)


Adjustable side stop




Reduction bushing for quill

LT 360/1000V ELITE

SUITABLE FOR TEACHING



With a focus on precision and durability, the "ELITE" lathe is made of MEEHANITE, a special cast iron alloy known for its superior rigidity compared to conventional materials.
This alloy ensures exceptional wear resistance, long-term accuracy and excellent stability.
The machine bed is carefully induction hardened and plane-ground to achieve maximum durability.

The cross spindle of the "ELITE" lathe is fully immersed in an oil bath, providing optimum lubrication and extended service life.
The use of phosphor bronze nuts provides extremely high wear resistance for continuous, long-term operation.

The ELITE lathe from HM Machinery is designed for training centers, schools and other educational use.

With triple use of SKF bearings, the "ELITE" lathe achieves unrivaled precision, longer life, remarkable stability and an impressive load capacity.

With the "ELITE" lathe, precision is not just a feature – it is a permanent standard.

- VARIABLE SPEED VIA FREQUENCY CONVERTER
- SOLID SPINDLE GUARD
- 2-AXIS OPTICAL SCALE WITH LCD DISPLAY
- CENTER CHUCK WITH 3 JAWS
- WORK LIGHT
- SLIDING TOOL POST GUARD
- COOLING



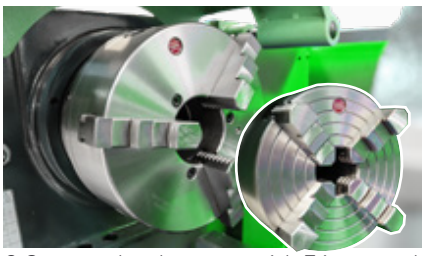
LT 460/1000 | LT 460/1500 | LT 460/2000

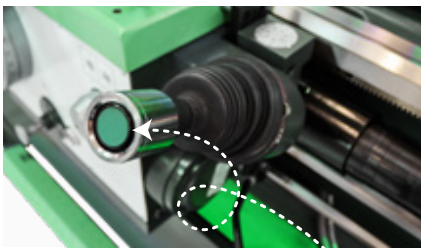
The LT 460/1000 is equipped with an impressive ø80mm spindle bore and can operate smoothly over 12 steps with a speed range of 25-1700 rpm. A 3-axis LCD display GDXH i200 with digital readout ensures precise control and accuracy during any operation.
A solid cast iron base gives it stability for even the most complex machining tasks.
The quick-change tool post makes tool changes fast and efficient, while the fast rapid traverse on the X and Y axes significantly increases productivity. Equipped with a spindle brake and a high-quality center chuck, this lathe is designed for reliable performance.
Operating on 3x400V power, it offers a generous capacity of Ø460mm/1000mm, Ø460mm/1500mm or Ø460mm/2000mm, making it ideal for a wide range of machining projects.



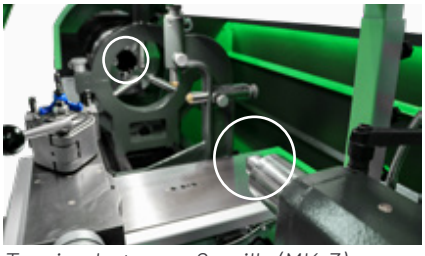
COMPLETE ACCESSORY SET INCLUDED AS STANDARD:

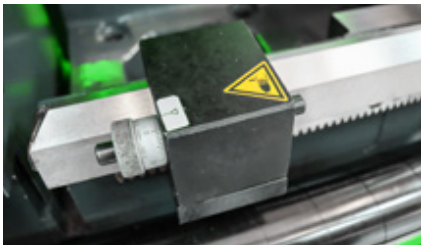

Quick-change tool post with 4 pcs. tool holder.


2 Center chucks - one with 3 jaws and one with 4 jaws

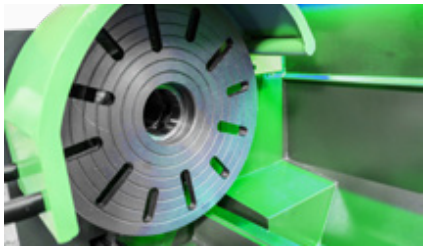

Cross handle with quick release button

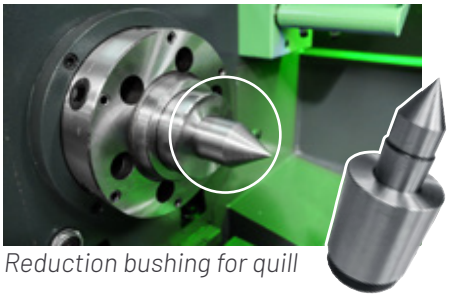

Fixed and included glasses


Turning between 2 quills (MK-3)


Adjustable side stop




Mounting plate


Reduction bushing for quill

QUICK CHANGE TOOL POST

BREAK DOWN FOR LT 360/1000 AND LT 460/1000/1500/2000 LATHES:

- Tool post base x 1 pc
- Tool post handle x 1 pc
- Tool holder (cutting, threading tool) x 3 pcs
- Tool holder (prism tool) x 1 pc
- Tightening tool x 1 pc



Suggested tool size for LT-360/1000

Suggested – 16mm
Maximum – 20mm

Suggested tool size for LT-460/1000/1500/2000

Suggested – 25mm
Maximum – 25mm

LT GDXH with 3 axis



LCD DIGITAL DISPLAY i200

Standard on **LT 360/1000, LT 460/1000, LT 460/1500, LT 460/2000**

- Optional for **LT 250/550**

The GDXH i200 is an advanced digital readout designed for linear encoder scales. It features an advanced LCD display system with intuitive graphics, step-by-step operations and comprehensive graphical assistance for all functions. This user-friendly design ensures unparalleled ease of use, allowing users to utilize its powerful capabilities within minutes of activation.
In addition to the standard features, this i200 offers additional features:

- Geometric calculation
- Circular hole layout
- Incremental / absolute coordinate
- Arc function

KEY FEATURES:

- Inclusion of both linear and non-linear compensation functions.
- Standard 3 axes.
- Specialized spindle with constant speed control function

Depth	140mm
Width	408mm
Height	340mm
Weight	5kg

TECHNICAL SPECIFICATIONS

Technical specifications	LT 250/550	LT 360/1000	LT 360/1000V ELITE	LT 460/1000	LT 460/1500	LT 460/2000
Swing over bed	250mm	360mm	365mm	460mm	460mm	460mm
Swing over gap	-	502mm	690mm	690mm	690mm	690mm
Swing over cross slide	150mm	160mm	220mm	270mm	270mm	270mm
Tail diameter	ø30mm	ø42mm	ø45mm	ø60mm	ø60mm	ø60mm
Tail height	125mm	180mm	165mm	230mm	230mm	230mm
Spindlenose Camlock	-	D1-5	D1-4	D1-8	D1-8	D1-8
Distance between centers	550mm	1000mm	1000mm	1000mm	1500mm	2000mm
Width over bed	135mm	187mm	206mm	300mm	300mm	300mm
Main spindle:						
Spindlebore	26mm	52mm	38mm	80mm	80mm	80mm
Taper of spindlenose	MK-4	MK-6	MK-5	MK-7	MK-7	MK-7
Number of spindle speeds	Variable	8	Variable	12	12	12
Range og spindle speeds	50-2000 rpm	70-2000 rpm	30-2200 rpm	25-1700 rpm	25-1700 rpm	25-1700 rpm
Feed / threading:						
Metric threads	0.2~4.0mm	0.4-7.0mm	0.2~7.0mm	0.1-14mm	0.1-14mm	0.1-14mm
Imperial treads	8~56 T.P.I.	4~56 T.P.I.	4~72 T.P.I.	2~112 T.P.I	2~112 T.P.I	2~112 T.P.I
Range of longditudinal leed	0.07~0.40mm	0.05~1.39mm	0.037~0.5mm	0.03~1.7mm	0.03~1.7mm	0.03~1.7mm
Cross slide & main slide:						
Type of toolholder	4-way	–	Multi (Type E)	Multi (Type B)	Multi (Type B)	Multi (Type B)
Max. travel of compound slide	70mm	95mm	101mm	128mm	128mm	128mm
Max. travel of cross slide	115mm	160mm	167mm	285mm	285mm	285mm
Max. travel of main slide	450mm	1000mm	1000mm	1500mm	1500mm	1500mm
Tailstock:						
Spindle travel	80mm	100mm	110mm	130mm	130mm	130mm
Taper in Tailstock Spindle	MK-2	MK-4	MK-3	MK-4	MK-4	MK-4
Power:						
Voltage	1x230V	3x400V	3x400V	3x400V	3x400V	3x400V
Main motor	1100 watt	1,5 kW	2,2 kW	5,5 kW	5,5 kW	5,5 kW
Dimensions:						
Length	1200mm	1930mm	1530mm	2200mm	2750mm	3250mm
Width	560mm	760mm	810mm	1080mm	1080mm	1080mm
Height	580mm	1600mm	1290mm	1370mm	1370mm	1370mm
Weight	145kg	540kg	750kg	1655kg	1820kg	1973kg

EN

LATHES

LT-SERIES

LT 250/550

LT 360/1000

LT 360/1000V ELITE

LT 460/1000

LT 460/1500

LT 460/2000



HM Machinery's LT metal lathes are equipped with high-precision tapered roller bearings, a large spindle bore and have an induction-hardened and ground prism side for exceptional durability.

All models are CE approved and equipped with a high splash guard with LED lighting, a large safety guard over the steel holder with LED work light and micro switch and a safety guard over the center chuck with micro switch.

HM MACHINERY

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