

LT Lathes

New and improved!

HIGH QUALITY AND PERFORMANCE



Featuring **state-of-the-art technology** and enhanced capabilities, they empower craftsmen and industries to achieve unparalleled **accuracy and productivity!**

LT

Lathes

MODELS

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

All models are CE certified and equipped with a high splash guard with LED lighting, a large safety enclosure over the steel holder with LED work lights and microswitch, and a safety enclosure over the center chuck with microswitch.

LT metal lathes combine high precision, performance, and safety.

Read about each model
on the next few pages

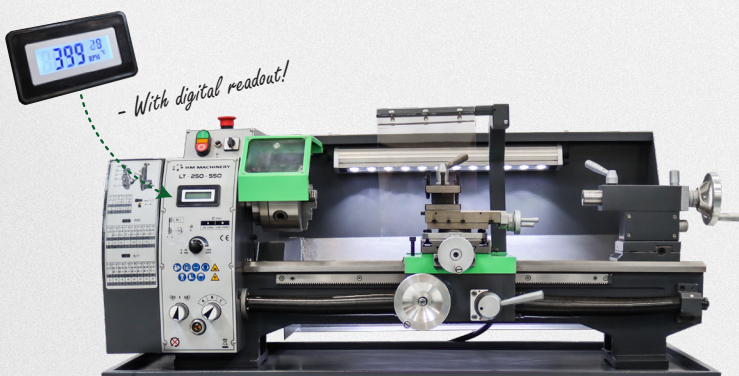
**LT 250/550****LT 360/1000****LT 460/1000****LT 460/1500****LT 460/2000**

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 worklights.

It offers thread cutting, variable speed (50-2000 rpm), and operates on 1x230v power.

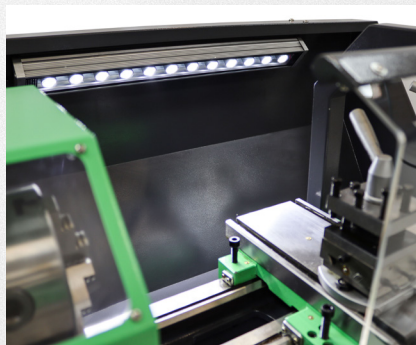
Additionally, it is mounted on a base with 2 drawer and 2 cabinets. It has dimensions of Ø250 mm/550 mm for optimal project space.



Standard accessories:



FUERDA self-centering 3-jaw chuck



Adjustable LED worklights



Eye shield with Microswitch



MT2 tailstock



Storage options with rubber mats



Toolbox with operation tools, extra jaws and gears

LT 360/1000

The LT 360/1000 features a Ø52mm spindle bore and operates within a versatile speed range of 70-2000 rpm across 8 steps. Equipped with a 3-axis LCD monitor GDXH i200 featuring digital readout, it ensures precision and efficiency in your operations. Its heavy cast iron base provides stability, while the quick change tool post facilitates seamless transitions between tasks.

With additional features like a spindle brake and a high-quality FUERDA center chuck, this lathe delivers superior performance. Operating on 3x400v power, it offers a substantial capacity of Ø360mm/1000mm to accommodate diverse machining needs.



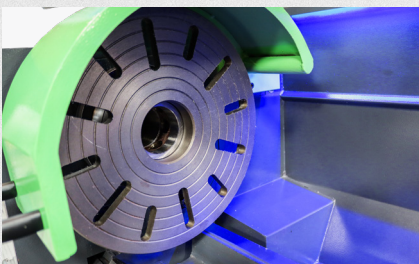
Full package of accessories is standard:



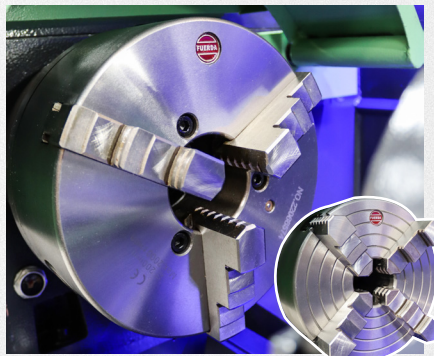
Quick change tool - 2 pcs.



Fixed and accompanying rest



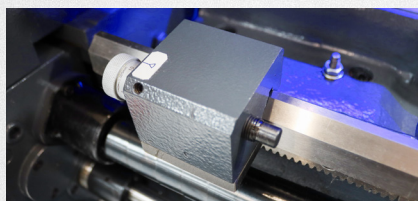
Mounting plate



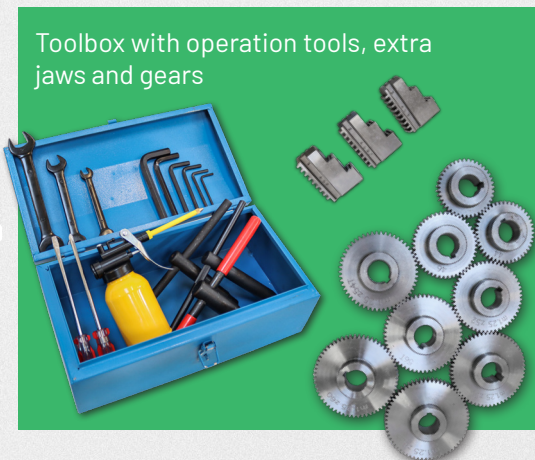
FUERDA 3-jaw and 4-jaw self-centering chuck



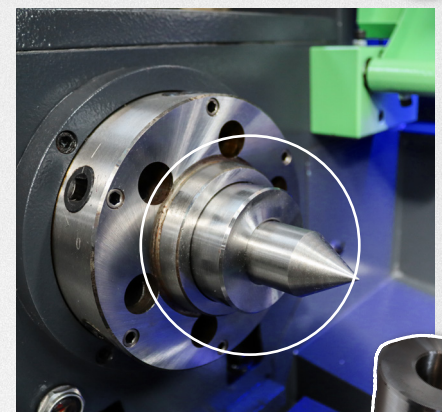
Turning between 2 tails



Adjustable sled stop



Toolbox with operation tools, extra jaws and gears



Reduction sleeves for tails



LT 460/1000, LT 460/1500, LT 460/2000

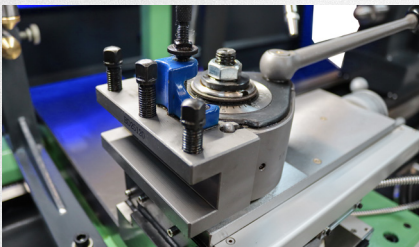
The LT 460/1000 boasts an impressive $\varnothing 80\text{mm}$ spindle bore and operates smoothly across 12 steps, offering a speed range of 25-1700 rpm. Featuring a 3-axis LCD monitor GDXH i200 with digital readout, it ensures precise control and accuracy in every operation. Built on a sturdy heavy cast iron base, it provides stability for intricate machining tasks.

The quick change tool allows for efficient tool changes, while the rapid feed X & Y axis enhance productivity. With a spindle brake and a high-quality FUERDA center chuck, this lathe is equipped for reliable performance.

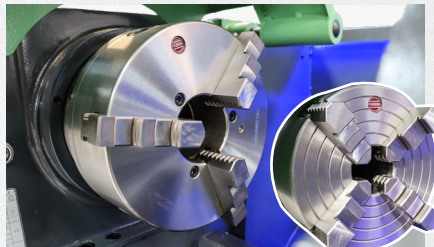
Operating on 3x400v power, it offers a generous capacity of $\varnothing 460\text{mm}/1000\text{mm}$, $\varnothing 460\text{mm}/1500\text{mm}$ or $\varnothing 460\text{mm}/2000\text{mm}$ making it ideal for a wide range of machining projects.



Full package of accessories is standard:



Quick change tool - 4 pcs.



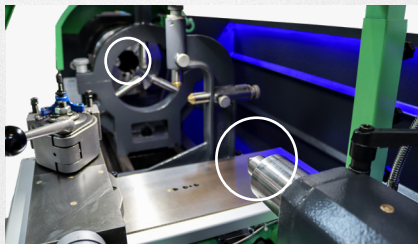
FUERDA 3-jaw and 4-jaw self-centering chuck



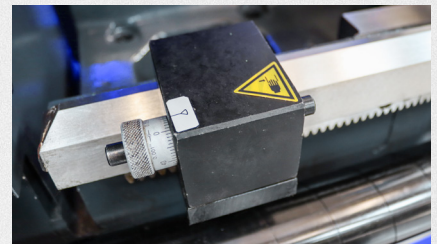
Cross handle with fast feed bottom



Fixed and accompanying rest



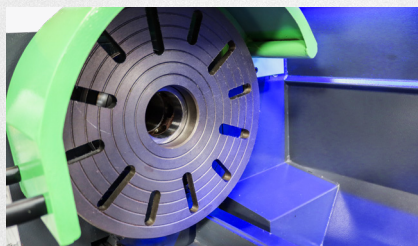
Turning between 2 tails



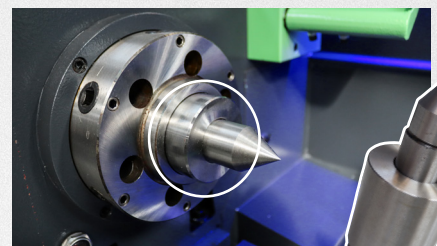
Ajustable sled stop



Toolbox with operation tools, extra jaws and gears



Mounting plate



Reduction sleeves for tails

LT

GDXH with 3 axes

LCD DIGITAL DISPLAY i200

Standard on LT 360/1000 and LT 460/1000, LT 460/1500, LT 460/2000
- Optional for LT 250/550

The GDXH i200 is a cutting-edge Digital Readout designed for machines with Linear Encoder Glass Scales. Features an advanced LCD display system featuring intuitive graphics, step-by-step operations, and comprehensive graphical assistance for all functions. This user-centric design ensures unparalleled ease of use, enabling users to harness its powerful capabilities within minutes of activation.

KEY FEATURES:

- Inclusion of both linear and non-linear compensation functions.
- Standard 3 axes.
- Specialized spindle constant speed control function tailored for Lathe mode operations.

Going beyond the standard features of Detection & Location, the i200 introduces supplementary functionalities such as:

- Incline hole alignment
- Circle hole positioning
- Incline Plane adjustments
- Arc functionality

Dimensions:

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



TECHNICAL SPECIFICATIONS

Technical Specification/Model	LT 250/550	LT 360/1000	LT 460/1000	LT 460/1500	LT 460/2000
Swing over bed	250mm	360mm	460mm	460mm	460mm
Swing over gap	-	502mm	690mm	690mm	690mm
Swing over cross slide	150mm	160mm	270mm	270mm	270mm
Tail diameter	ø30mm	ø42mm	ø60mm	ø60mm	ø60mm
Tail height	125mm	180mm	230mm	230mm	230mm
Spindlenose Camlock	-	D1-5	D1-8	D1-8	D1-8
Distance between centers	550mm	1000mm	1000mm	1500mm	2000mm
Width of bed	135mm	187mm	300mm	300mm	300mm

Main spindle:

Spindelbore	26mm	52mm	80mm	80mm	80mm
Taper of spindlenose	MK-4	MK-6	MK-7	MK-7	MK-7
Number of spindle speeds	Variable	8	12	12	12
Range of spindle speeds	50-2000rpm	70-2000rpm	25-1700rpm	25-1700rpm	25-1700rpm

Feeding and Threading:

Metric threads	0.2~4.0mm	0.4~7.0mm	0.1-14mm	0.1-14mm	0.1-14mm
Imperial threads	8~56 T.P.I.	4~56 T.P.I.	2~112 T.P.I.	2~112 T.P.I.	2~112 T.P.I.
Range of longitudinal lead	0.07~0.40mm	0.05~1.39mm	0.03~1.7mm	0.03~1.7mm	0.03~1.7mm

Cross slide & main slide:

Type of toolholder	4-way	Multi	Multi	Multi	Multi
Max. travel of compound slide	70mm	95mm	128mm	128mm	128mm
Max. travel of cross slide	115mm	160mm	285mm	285mm	285mm
Max. travel of main slide	450mm	1000mm	1500mm	1500mm	1500mm

Tailstock:

Spindle travel	80mm	100mm	130mm	130mm	130mm
Taper in Tailstock Spindle	MK-2	MK-3	MK-4	MK-4	MK-4

Power:

Voltage	1x230V	3x400V	3x400V	3x400V	3x400V
Main motor	1100 watt	1,5 kW	5,5 kW	5,5 kW	5,5 kW

Dimensions:

Length	1200mm	1930mm	2200mm	2750mm	3250mm
Width	560mm	760mm	1080mm	1080mm	1080mm
Height	580mm	1600mm	1370mm	1370mm	1370mm
Weight	145kg	540kg	1655kg	2000kg	1973kg



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