

## HAFCO-METALMASTER TM-2290G



### Centre Lathe

**Ø560 x 2200mm Turning Capacity - Ø105mm Spindle Bore**



## HAFCO-METALMASTER Centre Lathe TM-2290G



Left View



2 Axis Digital Readout System



Headstock



Spindle Speeds



Spindle Speed Selectors



Universal Enclosed Gearbox



Thread Charts



Safety Chuck Guard



Safety Chuck Guard Open



3 Jaw Chuck



Saddle Left View



Saddle Right View



Travelling Steady



Fixed Steady



Coolant System and LED Work Light



Toolpost

## HAFCO-METALMASTER Centre Lathe TM-2290G



Compound Slide Angle Scale



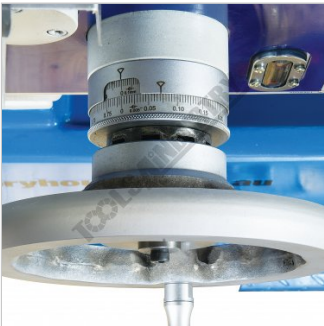
Spindle Engagement Lever



Rapid Longitudinal Buttons and Emergency Stop



Saddle Lock



Saddle Hand Wheel



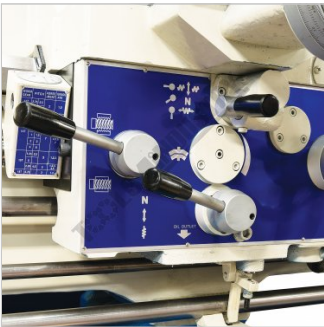
Cross Feed Hand Wheel



Compound Side Hand Wheel



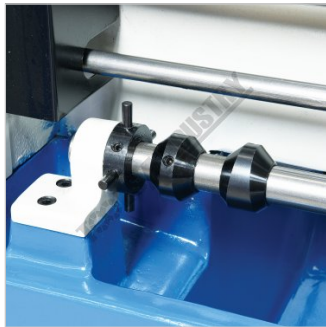
Thread Chasing Dial



Feed & Thread Cutting Engagement Levers



Moveable Leadscrew and Feed Shaft Support



Adjustable 4 Position Length Stop



Tailstock



Tailstock Hand Wheel



2 Speed Tailstock



Tailstock Quill



Meehanite Cast Base

## HAFCO-METALMASTER Centre Lathe TM-2290G



Removable Gap Bed



Foot Brake

### Description

The TM-2290G Industrial quality centre lathe is manufactured in Taiwan to a stringent precision engineering high tolerance & superior excellence to cope with any job or task its set out to achieve by the professional machinist, and importantly to deliver many years of valuable & reliable service.

One of the most forgotten & important feature in a quality lathe is the spindle bore support bearings & generally not mentioned or overlooked because they are hidden well within the headstock of the lathe. Not in this case as the TM-2290G is equipped with 3 x German quality SKF bearings offering excellent spindle support to handle extreme cutting loads to produce accurate work.

Another reliable feature in this range of precision lathes is the manufacturing process of the bed-ways, it is made up from the highest quality Meehanite® cast iron. The key to the undisputed success of Meehanite® metals is the rigid application of its patented manufacturing process to provide ultimate strength & durability performance.

This lathe package is complete with the most desirable features required to turn out quality precise parts we all require from a metal turning lathe.

### Features

- 2 Axis digital readout system
- Triple SKF German made bearings supporting headstock spindle
- Adjustable taper roller bearings providing spindle accuracy
- Precision 'V'-beds & headstock gears are all hardened & ground
- High quality one-piece Meehanite cast base increases rigidity
- Overload protection on drive motor and coolant system
- Universal enclosed gearbox incorporating metric & imperial thread capabilities
- Inching button incorporated on the control panel for convenient spindle speed selection
- Foot operated spindle brake with safety cut out switch
- 350mm wide induction hardened heavy duty cast iron bed
- Removable gap bed allowing work piece to swing up to 788mm
- Powered longitudinal and cross feeds
- Rapid traverse saddle Z axis
- 2 speed high/low lever on tailstock
- Slide-way mechanical lubrication pump driven via the saddle hand-wheel
- Adjustable 4 position length-stop mechanism for accurate repetitive operation
- Dual calibrated dials incorporating metric & imperial graduations
- Coolant system with flexible hose enabling operator to manipulate flow direction
- Roller bearings inserted to assist tail stock movement

## HAFCO-METALMASTER Centre Lathe TM-2290G

- Oil sight glass for head stock, gearbox and apron
- Low voltage LED work light
- D1-8 camlock spindle for quick chuck removal
- 12 Spindle speeds from 16 - 1600rpm
- Large 105mm spindle bore
- 7.5kW / 10HP 415V main motor

### Includes

- 2 Axis digital readout system
- 310mm 3-jaw chuck with reverse jaws
- 400mm 4-jaw chuck
- 355mm face plate
- Fixed steady with roller bearings
- Travelling steady with roller bearings
- 4-position knock out feed system
- Dead centres
- Thread chasing dial
- Foot brake
- Coolant system
- LED Work light
- Rear splash guard
- Spindle reducing bush
- Instruction booklet

### Specifications

<b>ORDER CODE</b>	L638D
<b>MODEL</b>	TM-2290G
<b>Swing Over Bed (mm)</b>	560
<b>Distance Between Centres (mm)</b>	2200
<b>Spindle Bore (mm)</b>	105
<b>Swing In Gap (mm)</b>	788
<b>Swing Over Cross-slide (mm)</b>	340
<b>Digital Readout System Fitted</b>	Yes
<b>Quick Change Toolpost Fitted</b>	Optional
<b>Leadscrew Covers Fitted</b>	~
<b>Taper Turning Attachment</b>	Optional
<b>Coolant System</b>	Yes
<b>Tool Height To Suit (mm)</b>	25
<b>Centre Height (mm)</b>	280
<b>Spindle Nose Size or Type</b>	D1-8 Camlock
<b>Bed Width (mm)</b>	350
<b>Headstock Spindle Taper (MT)</b>	7
<b>Tailstock Taper (MT)</b>	5
<b>Cross Slide Travel (mm)</b>	300
<b>Compound Slide Travel (mm)</b>	200
<b>Leadscrew Type</b>	Metric
<b>Metric Cross Feed (X-Axis) (mm/rev)</b>	0.02 - 0.4
<b>Imperial Cross Feed (X-Axis) (inch/rev)</b>	~

## HAFCO-METALMASTER Centre Lathe TM-2290G

<b>Metric Longitudinal Feed (Z-Axis) (mm/rev)</b>	0.05 - 0.82
<b>Imperial Longitudinal Feed (Z-Axis) (inch/rev)</b>	~
<b>Metric Thread Steps &amp; Pitch (No. / mm)</b>	24 (0.5 - 14)
<b>Imperial Thread Steps &amp; TPI (No. / TPI)</b>	44 (2 - 56)
<b>3 Jaw Chuck Diameter (mm)</b>	310
<b>4 Jaw Chuck Diameter (mm)</b>	400
<b>Spindle Steps / Speeds (No. / rpm)</b>	12 (16 - 1600)
<b>Motor Power (kW / hp)</b>	7.5 / 10
<b>Voltage / Amperage (V / amp)</b>	415
<b>Nett Weight (kg)</b>	2900