

# Gear Head Metal Lathe

This gear head metal lathe is engineered for precision metalworking applications. It features hardened bedways, ground gears, and a sturdy construction for accurate turning and threading.



PRECISION GEAR HEAD LATHE WL410E		Model No.	WL410E	WL410E
<b>Technical Specifications</b>				
Spindle Speed Range	10-2000 rpm	Spindle Power	3.3 kW	Spindle Torque
Max. Spindle Speed	2000 rpm	Max. Spindle Torque	100 Nm	Spindle Runout
Spindle Runout	0.005 mm	Spindle Accuracy	±0.005 mm	Spindle Life
Spindle Accuracy	±0.005 mm	Spindle Life	100,000 hours	Spindle Material
Spindle Life	100,000 hours	Spindle Material	Cr-V	Spindle Finish
Spindle Material	Cr-V	Spindle Finish	Grinding	Spindle Lubrication
Spindle Finish	Grinding	Spindle Lubrication	Automatic	Spindle Protection
Spindle Lubrication	Automatic	Spindle Protection	Oil Mist	Spindle Cooling
Spindle Protection	Oil Mist	Spindle Cooling	Water	Spindle Maintenance
Spindle Cooling	Water	Spindle Maintenance	Easy	Spindle Accessories
Spindle Maintenance	Easy	Spindle Accessories	3-jaw chuck, 4-jaw chuck, Face plate, etc.	

## ADDITIONAL IMAGES



## Overview

### Precision Gear Head Metal Lathe

This industrial-grade gear head lathe is engineered for high-precision metalworking, featuring robust construction for stability during turning, facing, and threading operations. It is equipped with hardened and ground gears in the headstock and super voice frequency heated bedways to ensure long-term durability and accuracy. With versatile speed controls and a wide range of threading and feeding capabilities, this machine is suitable for both small-scale workshops and demanding production environments.

## Key Features

<b>Included Accessories</b>	3-jaw chuck (200mm), 4-jaw chuck (250mm), Splash guard, Follow rest, Steady rest, Face plate (350mm), Chip tray, Coolant system, Foot brake, Halogen work lamp, Toolbox & tools
<b>Optional Accessories</b>	Taper turning attachment, Turning tools, Quick change tool post, Leadscrew cover, Tool post cover, Digital readout system

## Performance Metrics

### Core Performance Metrics

<b>1800 rpm</b> Max Spindle Speed	<b>3.3 KW</b> Motor Power	<b>410 mm</b> Swing Over Bed
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## Technical Specifications

### Machining Capacity

Parameter	Value
Distance between centers	1000 / 1500 mm
Swing over bed	410 mm
Swing over gap	580 mm
Swing over cross slide	255 mm
Width of bed	250 mm

### Spindle Specifications

- Spindle bore: 52 mm
- Spindle nose: D1-6
- Taper of spindle bore: MT6
- Number of spindle speeds: 16
- Range of spindle speeds: 45-1800 rpm

### Threading Ranges

- Inch threads: 2-72 T.P.I (45 kinds)
- Metric threads: 0.2-14 mm (39 kinds)
- Diametrical pitches: 8-44 D.P (21 kinds)
- Module pitches: 0.3-3.5 M.P (18 kinds)

### Tailstock Specifications

- Quill travel: 120 mm
- Quill diameter: 50 mm
- Taper: MT4

## Physical Dimensions

### Dimensions & Weight

Attribute	Value
Packing Size	2060/2560 x 900 x 1640 mm
Net Weight	1550 / 1800 kg