

# Gear Hobbing Machine with Extended Vertical Capacity

This gear hobbing machine is designed for the efficient and accurate production of various gear types, including spur, helical, and worm gears. The 'Heightened' designation signifies an extended vertical capacity, enabling the machining of larger gears.



## Overview

### High-Precision Gear Hobbing Capability

This gear hobbing machine is engineered for versatile production, handling cylindrical spur, helical, worm, and chain wheels across large, small, or single-batch runs. Built with a wide, high-rigidity bed and precision-ground components, it ensures exceptional stability and index accuracy. The machine features advanced heat-treated casting to eliminate internal stress, preventing deformation and ensuring long-term operational reliability.

## Machining Capacity

### Max Workpiece Diameter

**1000 mm**

With Rear Column

**1250 mm**

Without Rear Column

Max Hobbing Modulus (Steel)	12 mm
Max Hobbing Modulus (Cast Iron)	16 mm
Max Workpiece Width	740 mm

## Tooling Specifications

### Cutter Dimensions

**260 mm**

Max Diameter

**300 mm**

Max Length

Spindle Taper	Morse 6
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## Worktable Specifications

### Worktable Dimensions

**1000 mm**

Diameter

**220 mm**

Pore Diameter

Worktable Loading Capacity	3 tons
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## Technical Parameters

Spindle Rotation Range	16-125 r/m
Vertical Feed Rate Range	0.39-4.39 mm/rotation

## Power Systems

### Motor Power Ratings

Motor Type	Power	Unit
Main Motor	11	Kw
Rapid Motor	3	Kw
Worktable Rapid Motor	1.5	Kw
Hydraulic Oil Pump	1.5	Kw
Cooling Pump	0.4	Kw

## Physical Dimensions

Overall Dimensions (L x W x H)	3750 x 2040 x 2800 mm
Machine Weight	13.8 T