

Gear Hobbing Machine

This gear hobbing machine is designed for generating gears with precision and efficiency. It utilizes a hobbing cutter to progressively cut gear teeth as the workpiece and cutter rotate in a synchronized manner.



Overview

High-Precision Gear Hobbing Capability

This gear hobbing machine is engineered for the versatile production of cylindrical spur gears, helical gears, worm wheels, and chain wheels. Featuring a rigid, high-strength bed design, it ensures stability and precision across both small-batch and large-scale manufacturing runs. The machine incorporates advanced thermal treatment processes to eliminate internal stress, preventing deformation and ensuring long-term operational accuracy.

Cutting 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	450 mm

Tooling Specifications

Cutter Dimensions

260 mm

Max Diameter

300 mm

Max Length

Available Hobbing Axis Diameters	27 mm, 32 mm, 40 mm, 50 mm, 60 mm
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Machine Dimensions & Weight

Overall Dimensions (L x W x H)	3750 x 2040 x 2500 mm
Machine Weight	13.5 T

Technical Parameters

Motor Power Ratings

Motor Type	Power	Rated Speed
Main Motor	11	1440
Rapid Motor	3	1420
Work Table Rapid Motor	1.5	940
Hydraulic Oil Pump	1.5	940
Cooling Pump	0.4	2800