

EIFCO MACHINE TOOLS PVT. LTD.



Reliability Ensured

CNC GEAR HOBBING MACHINE





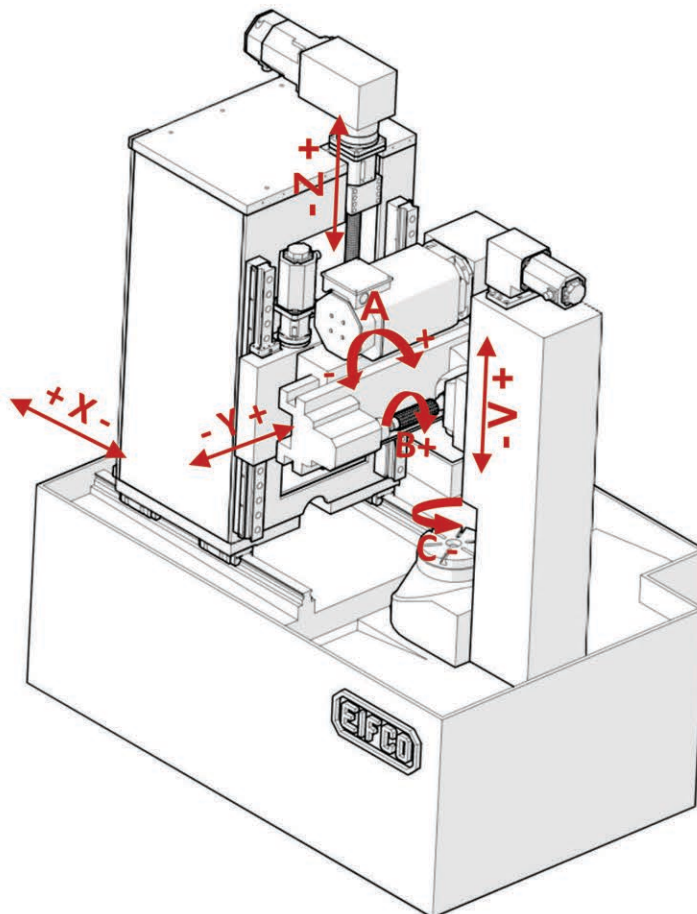
Reliability Ensured

- Super Precision Roller type LM Guide for Z axis, Y axis, and V axis
- Axial feed (Z-Axis) infinitely variable through precision ball screw driven by AC Servo Motor
- Radial feed (X-Axis) infinitely variable through precision ball screw driven by AC Servo Motor
- Tangential feed (Y-Axis) infinitely variable through precision ball screw driven by AC Servo Motor
- Cutter Helix Compensation (A-Axis) infinitely variable driven by AC Servo Motor
- Servo Tailstock with torque control (V-Axis)
- Super Precision Hob Spindle (B-Axis) and Work Spindle (C-Axis)

Features

- 7 Axis CNC System
- Remote Manual Pulse Generator for CNC Machine
- In built Power Failure Module for CNC Machine
- Suitable for cutting Spur/Helical/Spline/Sprocket & Worm wheel
- Automatic pressurized lubrication system
- Electronic Gear Box
- Lead correction software module
- MOP & Span correction software module
- Lead crowning and taper hobbing module
- Cluster cycle module
- Auto Thermal Compensation for X axis
- Spindle Load Monitoring function
- Quick Change of Hob Arbor

CNC AXIS
REPRESENTATION



CNC VERTICAL GEAR HOBBING MACHINE



CNC VERTICAL
GEAR HOBBBER

Technical Data	HOBBER 120	HOBBER 150	HOBBER 180	HOBBER 210	HOBBER 250	HOBBER 500	HOBBER 630
Spindle/Table drive Type	Geared	Direct Drive	Geared	Direct Drive	Geared	Geared	Geared
Max. Workpiece Dia (mm)	120	150	180	210	250	500	630
Max. Module (Steel) (mm)	3	2.5	4	4	6	8	10
Max. Vertical Slide Travel (mm)	350	350	350	500	500	500	500
Table Diameter (mm)	120	150	180	210	250	500	630
Distance of Hob axis from table surface (min/max) (mm)	160/510	160/510	160/510	160/660	160/660	160/660	160/660
Max. Hob Dia (mm)	90	90	120	120	150	150	150
Max. Hob Length (mm)	180	180	180	180	180	180	180
Hob Head Swivel angle* (deg)	+45/- 45	+45/- 45	+45/- 45	+45/- 45	+45/- 45	+45/- 45	+45/- 45
Hob Spindle Speed (inf variable) max (RPM)	2400	3000	1200	1400	800	400	400
Max. Driving Power, Hob Spindle (kw)	7.5	15	11	18.5	15	15	15
Total Connected Load (kVA)	30	50	30	70	50	60	60
Weight of the Machine Approx (tonnes)	7.5	7.5	7.5	10	10	14	16
Number of CNC Axes	7/8	7/8	7/8	7/8	6/7/8	6/7	6/7



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CNC HORIZONTAL GEAR

HOBBING MACHINE

CNC HORIZONTAL
GEAR HOBBER



TECHNICAL DATA EIFCO HOBBER

Max. Workpiece Dia 90/120/200/300	Max. HOB Shift Length 180	Max. Driving Power, HOB Spindle 7.5 kW
Max. Module in Steel 4	HOB Head Swivel Angle* +45 to -45	Total Connected Load 50 kVA
Between Centre Customizable Customizable	HOB Spindle Speed (Inf Variable) Max 1200	CNC Controller Fanuc Oi- MF
Max. HOB Dia 90/120	Rapid Traverse Axial 5000mm/min	
Max. HOB Length 180	Rapid Traverse Radial 5000mm/min	



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