

# HERA 200

## CNC GEAR HOBGING MACHINE

Combining advanced technology, precision components, and economic pricing to enable profitable production of high-quality spur gears, helical gears, worm gears, and other hobbled profiles.

- **High-speed direct-drive hob head with CNC shifting:**
  - Automatic retraction of X-axis during power failure, preventing hob damage.
- **Direct-drive torque motor for the work spindle:**
  - Driven via FANUC® torque motor.
- **Flexible standard dialogue program offering:**
  - One or two gears on a single workpiece.
  - Radial, axial, climb, and/or conventional hobbing on single- or two-cut cycle.
  - Crowning (lead modification) and deburring using two equal hobs.
  - Automatic shifting over broken hob section.
  - Optional re-hobbing (skiving).
- **CNC by FANUC® oi-MF with 6 axes (optional 7):**
  - Tangential position of hob head (shifting) by CNC.
- **Quality components and construction:**
  - Precision, repeatability, and control with linear scales on the X-axis.
  - Cast iron machine base for optimum stability and dampening.

**6.4 DP**

Max Pitch Rating

**1,500**

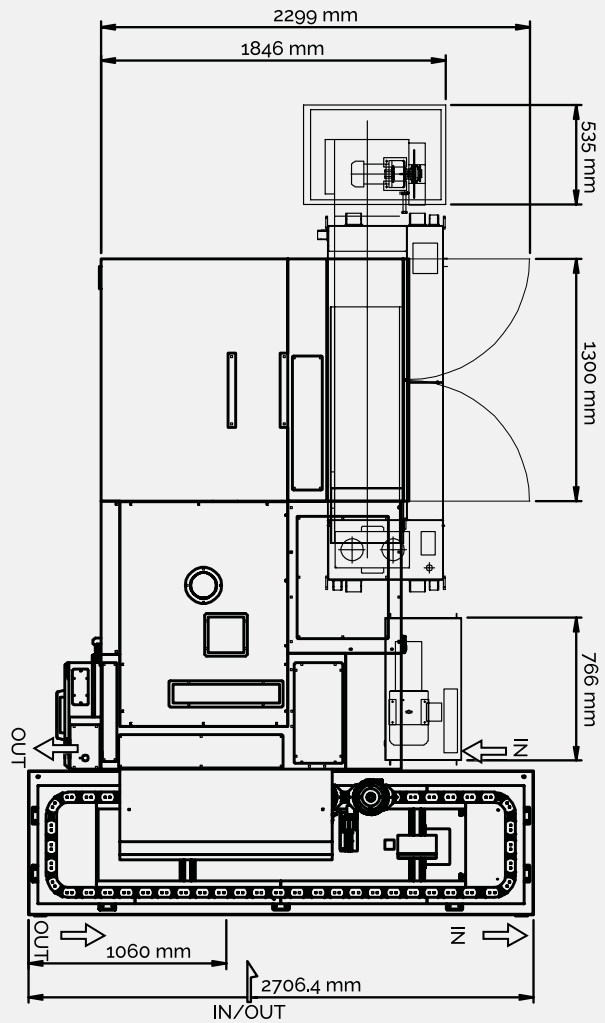
RPM Hob

**7**

CNC Axes



WORKPIECE	Hera 200	
	metric/imperial	
Maximum pitch rating, hobbing	4.00 m <sub>n</sub>	6.4 DP
Maximum workpiece diameter	200 mm	7.87 in
Total axial travel	250 mm	9.84 in
Minimum axial position	180 mm	7.09 in
Maximum axial position	430 mm	16.93 in
Total radial travel of hob head	250 mm	9.84 in
Minimum radial position of hob head	35 mm	1.38 in
Maximum radial position of hob head	285 mm	11.22 in
Total tailstock travel	300 mm	11.81 in
Minimum tailstock position	340 mm	13.39 in
Maximum tailstock position	640 mm	25.20 in
Maximum work spindle speed	125 rpm	
HOB HEAD		
Maximum spindle speed	1,500 rpm	
Maximum hob diameter	150 mm	5.91 in
Maximum cutter width	200 mm	7.87 in
Maximum cutter shift	180 mm	7.09 in
Swivel range	+/-45°	
DIMENSIONS		
Width	2,780 mm	109.45 in
Depth	2,375 mm	93.50 in
Height	2,450 mm,	96.46 in
Weight	9,000 kg	19,800 lbs
POWER		
Total connected load	30 kVA	
Main spindle motor	5.5 kW	
Electrical connection	220V, 3 phase, 60 Hz	



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