

HERA 150

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.



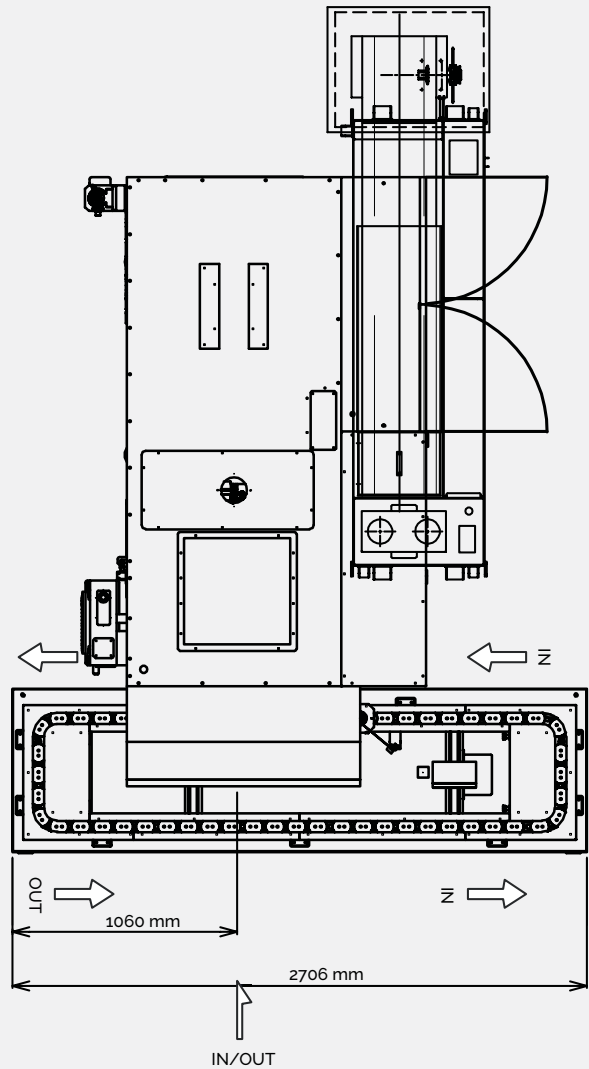
7.3 DP
Max Pitch Rating

2,500
RPM Hob

7
CNC Axes



| WORKPIECE | Hera 150 | |
|-------------------------------------|----------------------|------------|
| | metric/imperial | |
| Maximum pitch rating, hobbing | 3.50 m _n | 7.3 DP |
| Maximum workpiece diameter | 150 mm | 5.91 in |
| Total axial travel | 250 mm | 9.84 in |
| Minimum axial position | 150 mm | 5.91 in |
| Maximum axial position | 400 mm | 15.75 in |
| Total radial travel of hob head | 180 mm | 7.09 in |
| Minimum radial position of hob head | 15 mm | 0.59 in |
| Maximum radial position of hob head | 195 mm | 7.68 in |
| Total tailstock travel | 300 mm | 11.81 in |
| Minimum tailstock position | 300 mm | 11.81 in |
| Maximum tailstock position | 600 mm | 23.62 in |
| Maximum work spindle speed | 600 rpm | |
| HOB HEAD | | |
| Maximum spindle speed | 2,500 rpm | |
| Maximum hob diameter | 120 mm | 4.72 in |
| Maximum cutter width | 200 mm | 7.87 in |
| Maximum cutter shift | 170 mm | 6.69 in |
| Swivel range | +/-45° | |
| DIMENSIONS | | |
| Width | 2,400 mm | 94.49 in |
| Depth | 2,000 mm | 78.74 in |
| Height | 2,400 mm | 94.49 in |
| Weight | 7,800 kg | 17,200 lbs |
| POWER | | |
| Total connected load | 30 kVA | |
| Main spindle motor | 25 kW | |
| Electrical connection | 220V, 3 phase, 60 Hz | |



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