

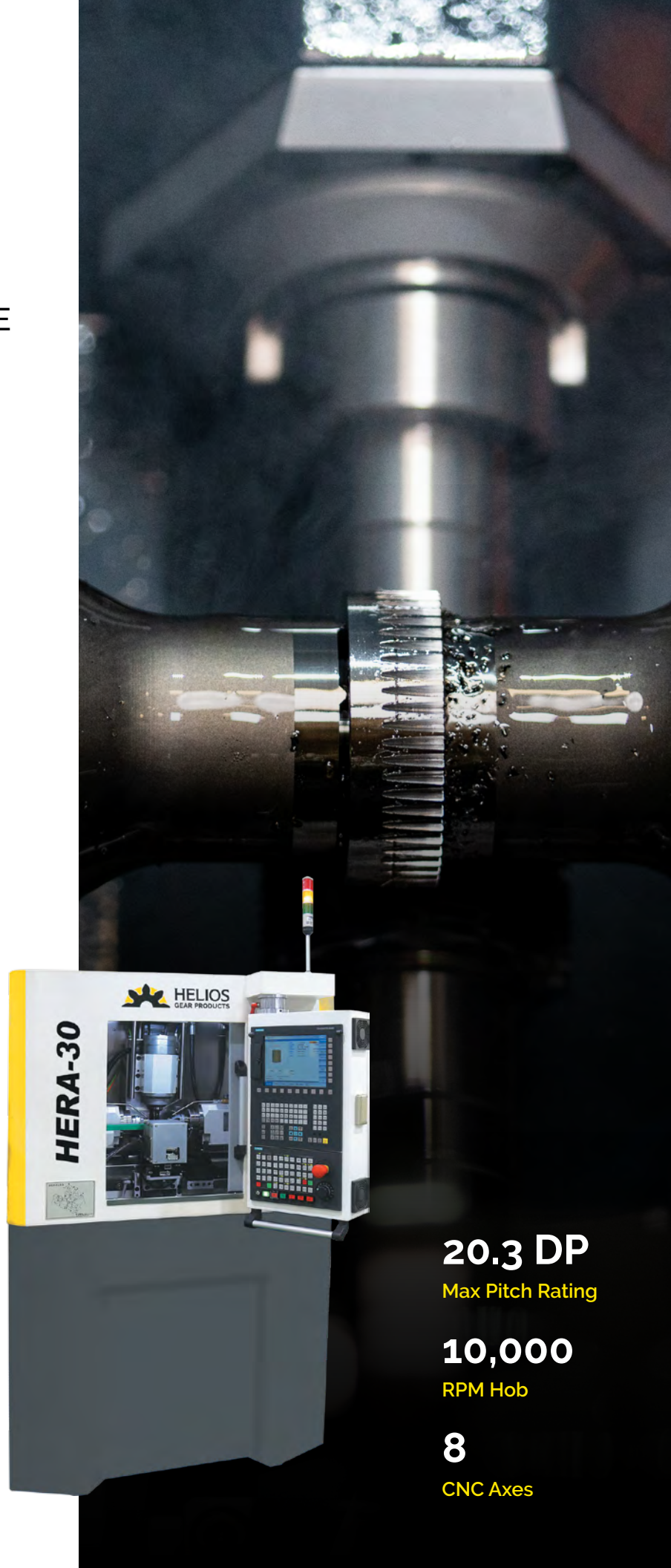


HERA 30

CNC GEAR HOBGING MACHINE

Combining advanced technology, precision components, and economic pricing to enable profitable production of high-quality spur gears, helical gears, straight bevel 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 headstock, tailstock, and hob head:**
 - Matching driven work spindles.
- **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 SIEMENS® 828D with 8 axes (optional 8 with gantry automation):**
 - Tangential position of hob head (shifting) by CNC.
- **Miter gear (straight bevel gear) cutting:**
 - Index milling and Conikron generating for modules ≤ 0.5 mn, 50.8 DP.
- **Quality components and construction:**
 - Precision, repeatability, and control with linear scales on the x-axis.

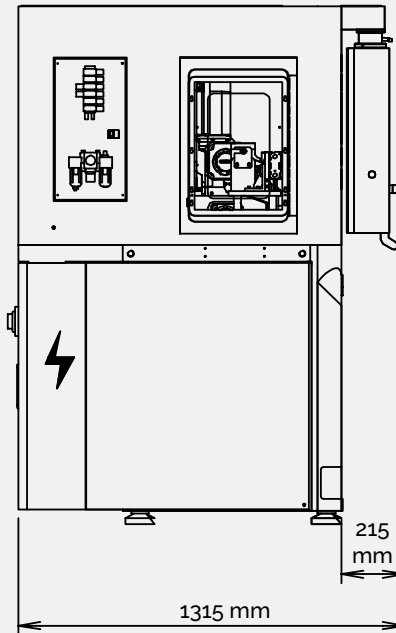
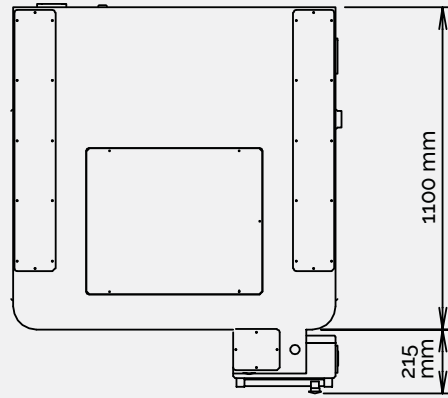


20.3 DP
Max Pitch Rating

10,000
RPM Hob

8
CNC Axes

WORKPIECE		Hera 30 metric/imperial	
Maximum pitch rating, hobbing	1.25 m _n	20.3 DP	
Maximum workpiece diameter	40 mm	1.57 in	
Total axial travel	90 mm	3.54 in	
Minimum axial position	65 mm	2.56 in	
Maximum axial position	155 mm	6.10 in	
Total radial travel of hob head	75 mm	2.95 in	
Minimum radial position of hob head	5 mm	0.20 in	
Maximum radial position of hob head	80 mm	3.15 in	
Maximum work spindle speed	6,000 rpm		
HOB HEAD			
Maximum spindle speed	10,000 rpm		
Maximum hob diameter	38 mm	1.50 in	
Maximum cutter width	80 mm	3.15 in	
Maximum cutter shift	70 mm	2.76 in	
Swivel range	+/- 30°		
DIMENSIONS			
Width	1,100 mm	43.31 in	
Depth	1,100 mm	43.31 in	
Height	1,850 mm	72.83 in	
Weight	2,000 kg	4,400 lbs	
POWER			
Total connected load	20 kVA		
Main spindle motor	5.5 kW		
Electrical connection	220V, 3 phase, 60Hz		



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