

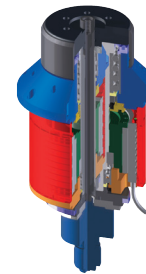
CNC GEAR HOBBING MACHINE



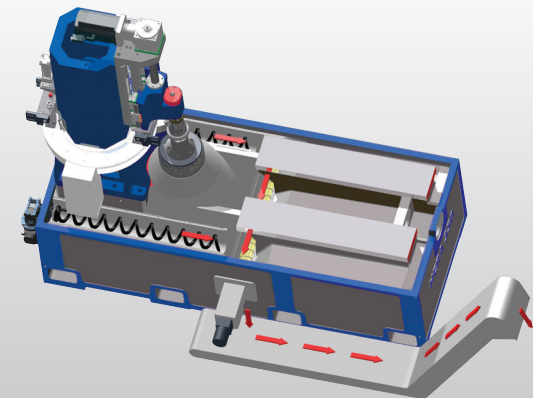
HERA-200 
HERA-350 

HERA-200S

CNC GEAR HOBBING MACHINE



Built-in Motor at C-Axis (option)



Perfect Bed Structure for Chip Removal

HERA-350S CNC GEAR HOBBING MACHINE



**Implementation of Smart Factory with
Industrie 4.0 applied IoT technology to HERA series !**

Dry Gear Cutting is available

- Heavy Duty Gear Cutting
- Strong Bed Structure
- High torque Built-In Motor at C-Axis (option)
- Permanent Auto backlash eliminator on B/C-Axis
- Big diameter super precision master gear or High Torque Built-in Motor on C-Axis (option)
- Perfect Chip Removal Conveyor System from Bed

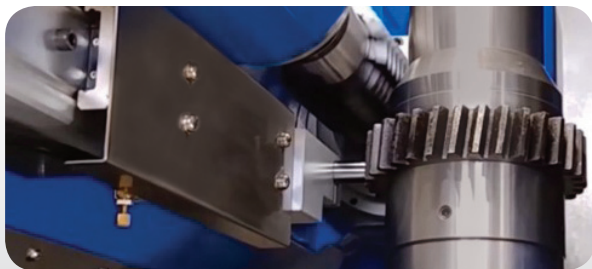


Jig & Fixture

HERA-200S / HERA-350S



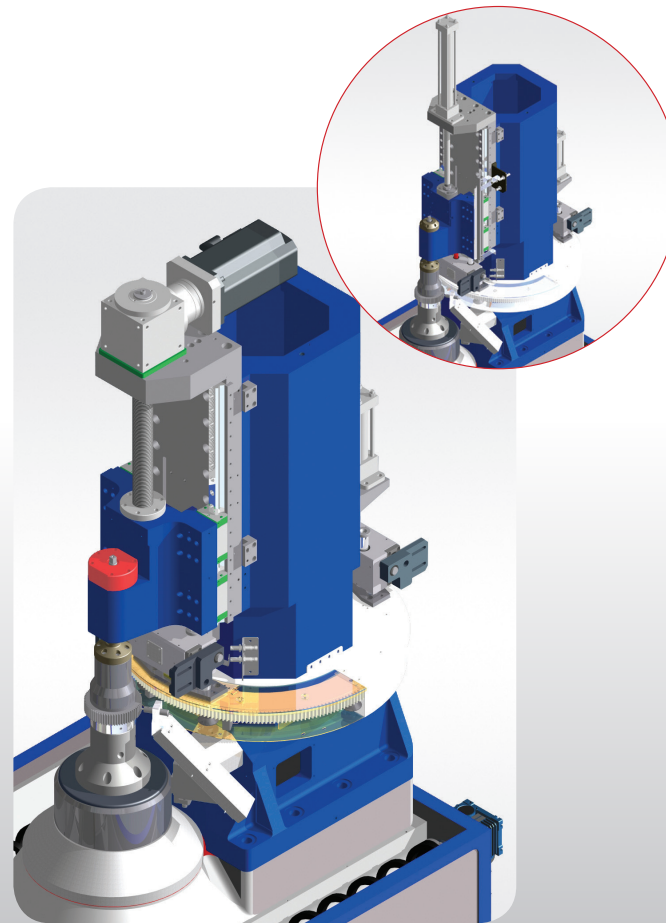
Chamferring Unit



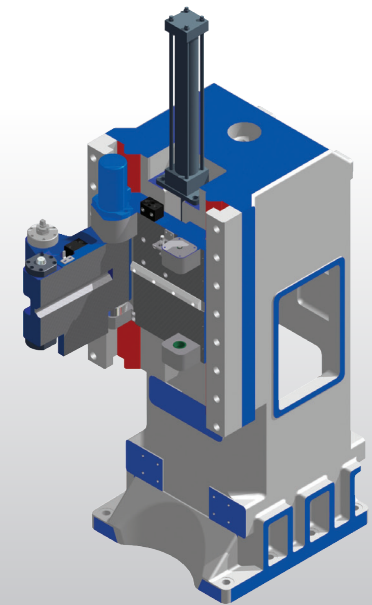
Skiving Unit



2 Hobs at the Arbor

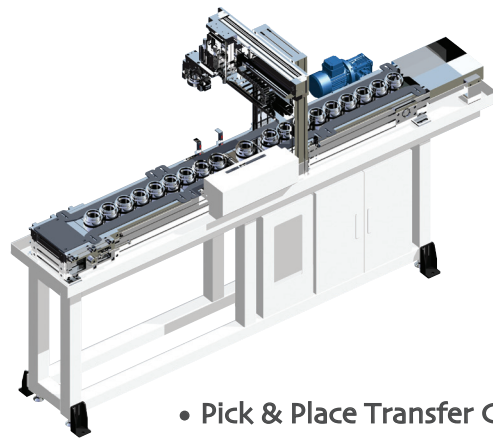


Servo Motor Controlled Counter Column

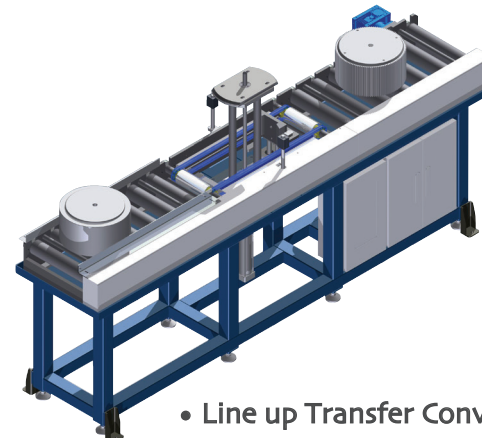


Auto Open/Close Center

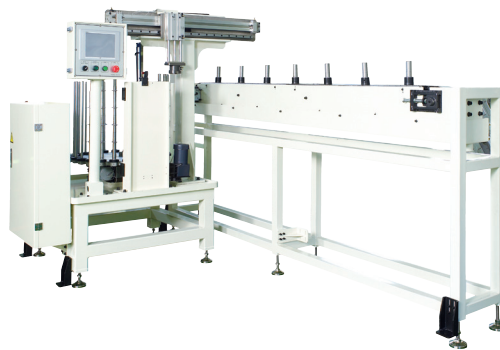
**Our Engineers Provide Flexible Auto-Loading with Ring Loader (2 station)
& Optimum Conveyor or Stacker System**



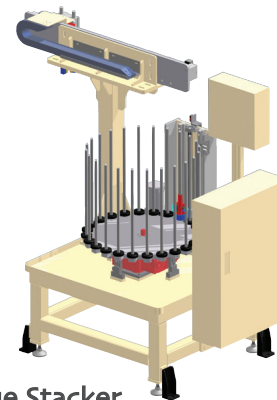
• Pick & Place Transfer Conveyor



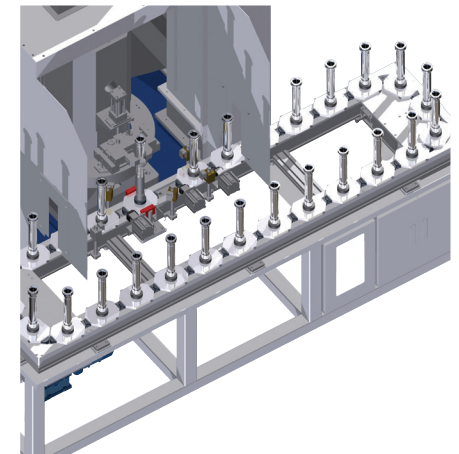
• Line up Transfer Conveyor



• Combined Stacker & Transfer Conveyor



• Storage Stacker



• Rotated Conveyor

HERA-200S / HERA-350S

Standard Accessories

- Hob Arbor with Sleeve, Collar, Nut
- Coolant Supply Unit
- Hyd. Pump Unit with fan Cooler
- Intermittent Lub Pump
- Full Splash Guard
- Work Light
- Air Conditioner on Electric Box
- Leveling Kits
- CNC Controller
(SIEMENS or FANUC)
- Standard Tools & Box
- Operating Manual
(Operating/Maintenance)

Optional Accessories

- Auto-Draw Bar Attachment
- Oil Mist Collector
- Magnetic chip conveyor
- Special chip conveyor
for Bronz & Aluminum
- Tool Presetter
- Deburring Attachment
- Auto-Door (Air)
- Washing Line
- 3Layers Lamp
- Jig & Fixture
- Auto-Loading System (Ring Loader)
- Conveyor & Stacker
- 2 years Service Contract
(SIEMENS or FANUC)
- Skiving Unit
- Inner Cover for Dry Cutting
- Tangential Device

Provided Software

- All macro Software
- Orientation Function (B/C-Axis)
- X-Axis Retract at Power Failure
- Skip at Broken Hob Tooth
- Various Kinds of Taper Hobbing
- Various Kinds of Crowning Hobbing
- Centrifugation
- Tangential Hobbing (Option)
- Skiving Hobbing (Option)

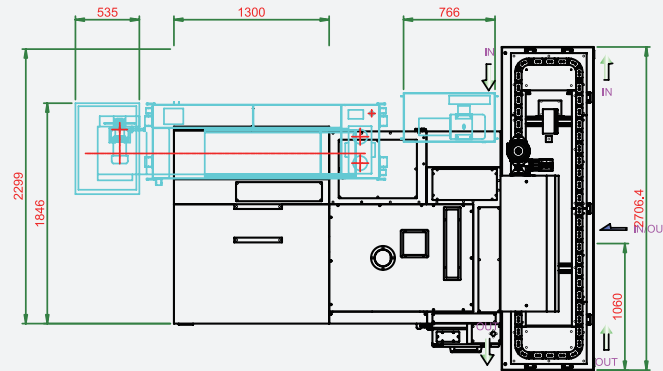


Technical Data

	HERA 200S	HERA 350S
Max. workpiece dia	200 mm	350 mm
Max. pitch	module 4.0	module 6.0
Radial travel (X-axis)	250(35~285)	280(35~315)
Max. helix angel (A-axis)	±45°	±45°
Hob spindle rpm (B-axis)	0~1,200rpm	0~1,200rpm
Table max. rpm (C-axis)	125rpm	110rpm
Working range		
Vertical work range (Z-axis)	250(150~400)	320(150~470)m/m
Center stroke range	300(340~640)	350(340~690)m/m
Table diameter	Ø200	Ø260
Hob		
Taper of spindle nose	NT #40	NT #40
Max. hob size (Dia x L)	Ø150m/m X 180m/m	Ø160m/m X 200m/m
Max. hob shift travel (Y-axis)	180mm	200mm
Rapid / feed speed		
Axial rapid (Z-axis)	10,000mm/min	10,000mm/min
Radial rapid (X-axis)	12,000mm/min	10,000mm/min
Hob shift travel (Y-axis)	6,000mm/min	6,000mm/min
Hob head swiveling	720deg/min	720deg/min
Motor		
Total power	30KVA	35KVA
Main spindle motor	5.5Kw (26.3Nm)	11Kw (52.5Nm)
Control system	FANUC OiMF/SIEMENS 828D	FANUC OiMF/SIEMENS 828D
Floor space (L x W x H)mm	3,685 x 2,540 x 2,610	3,685 x 2,540 x 2,730
Weight (Approx.)	9.0ton	9.8ton

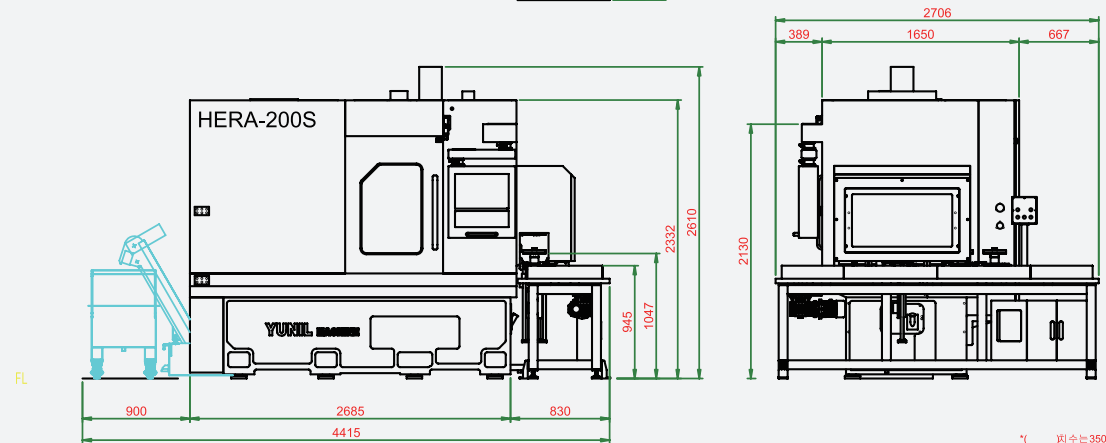


Lay-out Drawing



Work Range

WORKING RANGE	HERA 200S	HERA 350S
X-AXIS STROKE	ST250 : 35~285	ST280 : 35~315
Y-AXIS STROKE	ST180 : 0~180	ST200 : 0~200
Z-AXIS STROKE	ST250 : 150~400	ST320 : 150~470
CENTER STROKE	ST300 : 340~640	ST350 : 340~690



* ()의 수는 350S 치수.

Official Distributor for Italy

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