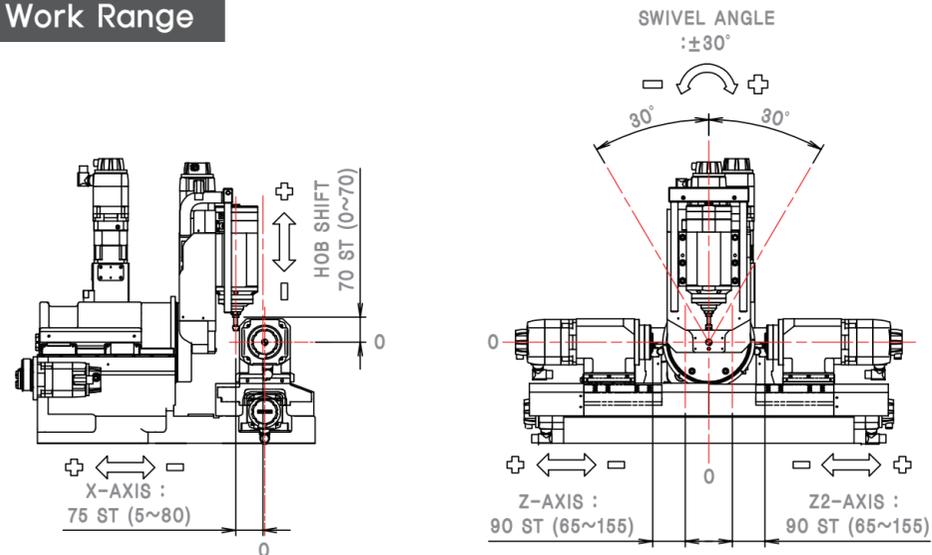


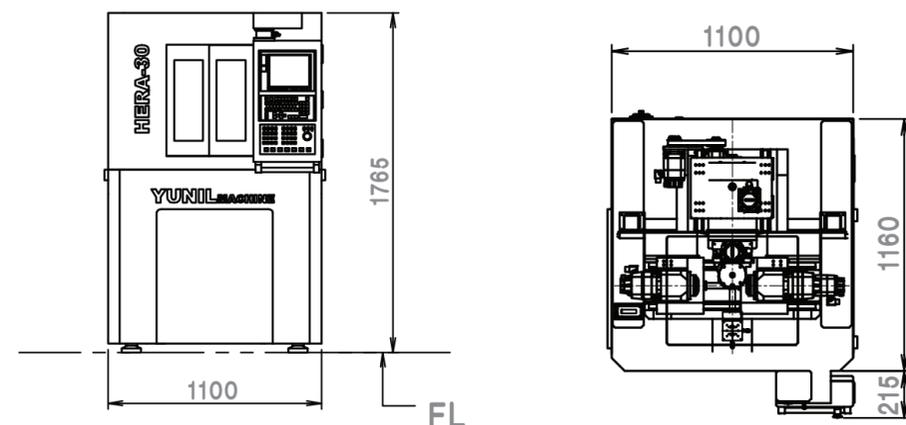


Work Range



Description			
X-AXIS STROKE	75 (5~80)mm	Z2-AXIS STROKE	90 (65~155)mm
Y-AXIS STROKE	70mm	SWIVEL ANGLE	$\pm 30^\circ$
Z-AXIS STROKE	90 (65~155)mm		

Lay-out Dimension



Technical Data

Description		Hob	
Hobbing type	Horizontal	Max. hob length	70 mm
Max. workpiece diameter	40mm	Max. hob diameter	$\Phi 38\text{m/m}$
Max. pitch	module 1.0	Max. hob shift (Y-axis)	70 mm
Max. helix angle (A-axis)	$\pm 30^\circ$	Rapid/feed speed	
Max. hob spindle rpm (B-axis)	10,000 rpm	Axial rapid (Z, Z2-axis)	10,000 mm/min
Max. table spindle rpm (C-axis)	4,500 rpm	Radial rapid (X-axis)	10,000 mm/min
Max. tailstock spindle rpm (C2axis)	4,500 rpm	Hob head swiveling (A-axis)	720 deg/min
Working range		Motor	
Radial travel (X-axis)	75 mm (5~80)	Total power	20kVA
Axial travel (Z-axis)	Z: 90mm(65~155)	Main Motor/Direct Drive Motor	4kW
Axial travel (Z2-axis)	Z2 :90mm(65~155)	Floor Space (LxWxH) m/m	1,100 x 1,315 x 1,768
		Weight (Approx.)	2.0 ton

* Specifications of this catalog are subject to change without notice.

(주)연일
YUNIL MACHINERY MFG., CO., LTD
TEL. +82-53-583-4031~4 FAX. +82-53-583-4035
+82-53-588-1121 +82-53-588-1141
e-mail : yunil@gearhob.co.kr
www.gearhob.co.kr
161-15, Seonno-ro, Seonnam-myeon, Seongju-gun,
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Official Distributor

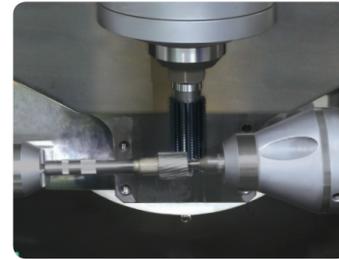
MICRO **HERA-30**
CNC GEAR HOBGING MACHINE

HERA-30

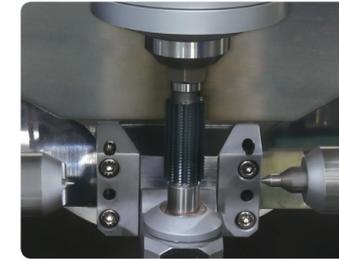
8-Axis Controlled Micro CNC Gear Hobbing Machine

Small size and Micro gear cutting is available

Max. Hob RPM 10,000 RPM • Max Table RPM 4,500 RPM



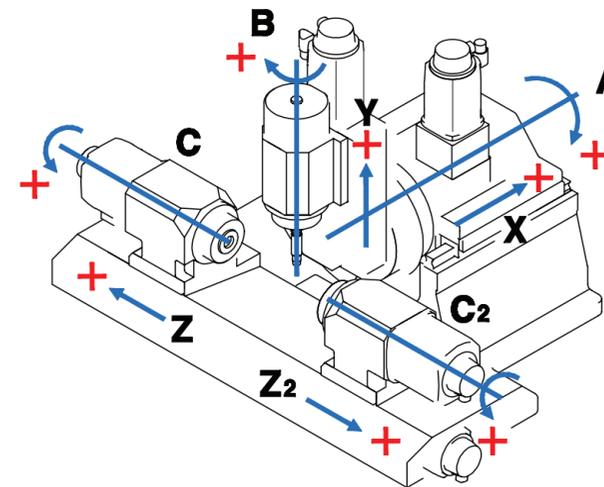
Without Hob Arbor Support Unit



With Hob Arbor Support Unit

- Since the workpiece feed device (Z-Axis) is separated into Z1-Axis and Z2-Axis, it can be moved individually or simultaneously for easy Loading/UnLoading.
- Table combined with C1 and C2-Axis, which rotated simultaneously for gear high accuracy and workpiece is firmly fixed while cutting both sides of centers.
- Various kinds of Automation system.
- High speed of Loading Time (2~3 sec.)
- Minimized floor space with compact design (1,100mm x 1,100mm x 1,800mm)

- 가공물 피드 이송장치 (Z축)가 2개로 분리되어 각각 또는 동시에 이송이 가능하므로, Loading/UnLoading 이 편리
- 테이블이 두개의 축으로 구성되어 (C1, C2) 가공시 테이블과 센터가 동시에 회전하여 정도 높은 기어 가공에 적합하고, 양 센터 작업시 가공물이 튼튼하게 고정
- 다양한 종류의 자동화 시스템
- Loading Time 의 최소화 (2~3초)
- 컴팩트한 설계로 최소화된 Floor Space (1,100mm x 1,100mm x 1,800mm)

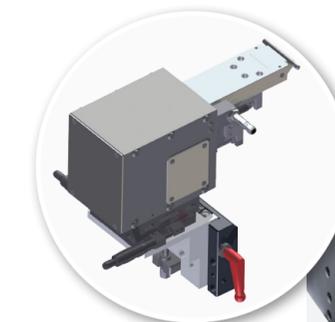


Coordinate Axis

- X - Radial movement
- Z, Z2 - Axial movement
- C, C2 - Table Rotation
- A - Hob head swivel
- Y - Hob shift
- B - Hob rotation

Automation

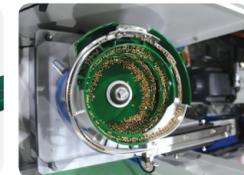
: Flexible and Various kinds of Auto-Loading system combined Conveyor system will decrease cycle time and improve gear quality



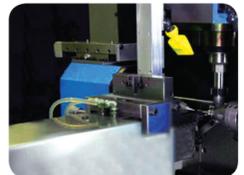
Auto. Parts Feeder



Line Feeder Type



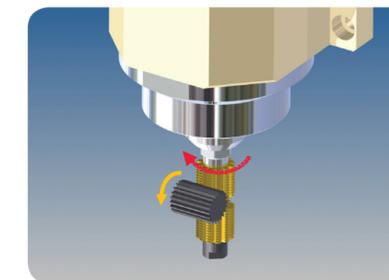
Bowl Feeder Type



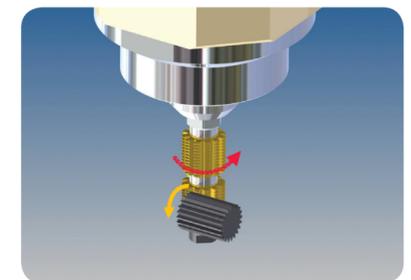
Magazine Type

Deburring Device

: Plastic Gear, Bronze Gear, etc.



Hobbing



Deburring

