

Farrell Engineering Ltd

Westbury House, 23-25 Bridge Street, Pinner HA5 3HR United Kingdom
Tel : 0044-208-3432 3291 Fax : 044-208-9657586
Email : chan@farrellengineering.com



Category	:-	Gear Related Machines	Serial No	:-	
Model	:-	GH 300 CNC (Rebuilt December 2016)	Country	:-	Japan
Make	:-	Mitsubishi	Type of Machine	:-	CNC High speed Heavy Duty Universal Gear Hobbing Machine
Year	:-	0	Weight	:-	0.0
Dimensions	:-		Power	:-	
Location	:-	Mumbai India...Under Power	Asking Price	:-	On Request

Specification :-

- 3-Axis Heavy Duty CNC Gear Hobbing Machine**
- Rebuilt in 2017**

- Siemens 808D Advance Controller**
- Suitable for Spur, Helical Crowning & slightly tapered gears**

Type of machine :- 3 Axis Gear Hobbing Machine - Vertical

3-Axis CNC Controlled with Siemens 808D **Advance** (brand new 2016)

max. wheel diameter 315 mm

gear width 315 mm

max. module 8 MODULE

max. angle of teeth 45 Degree

Work Table Diameter: 350mm

Hob Arbor Taper: Morse No. 5

Maximum Hob Diameter: 150mm

Maximum Hob Length: 200mm

Hob Shifting Amount: 130mm

Maximum Indexing Tooth: 200

Minimum Indexing Tooth Number: 6

Max Degree 50 PA

Additional information:

Complete with change gears

Complete with handbooks and machine manuals

Fully rebuilt with new 2015 YOM

Siemens 808D **Advance**, Digital drives and AC servo motors

CNC Controlled Axis X and Z + hob shifting PLC based

Free standing Electrical Cabinet fitted.

Suitable for Spur , Helical , Crowning & slightly tapered gears both for both and heavy production of components

Machine Features:

- Hydraulic Clamping & Tailstock ,
- Automatic Hob shift
- Full change gear set
- Two copies of the machine operators manual
- Two copies of all electrical and mechanical prints
- Can be tooled up to customers as per customers requirement at extra cost
- Machine is ready for immediate delivery subject to prior sale.

The Advantages of New Siemens 808D Advance System are as below:-

The benefits are as per below.

1. It is close loop system so positioning accuracy of axis is far better.
2. It has Auto servo tuning (AST) facility so that load can be tuned with servo motor for better performance with torque.
3. It has Direct servo control (DSC) by Drive Bus communication so that drives can perform better with controller commands.
4. It has friction compensation facility.
5. Servo motors available up to 40Nm whereas in 808D it was only 4,7,10Nm only.(eg. for Z-axis we used 15Nm)
6. Absolute encoder available with Servo motor so that referencing is not required (like 828D)
7. It has Ethernet communication port so that PLC and Data Upload/Download is much faster.
8. It has Ethernet Interface so that it can be monitored remotely (like 828D) for
 - a. Transfer of Part program, user cycles, Machine data, R-parameter, PLC data, HMI data etc..

b. PLC Logic can be monitored

c. PLC upload/download

d. Part program send/receive

e. Execute part program

f. Screen shots can be taken.

Description :--