



精代齒輪機械股份有限公司
CHING TAI COG MACHINE CO., LTD.

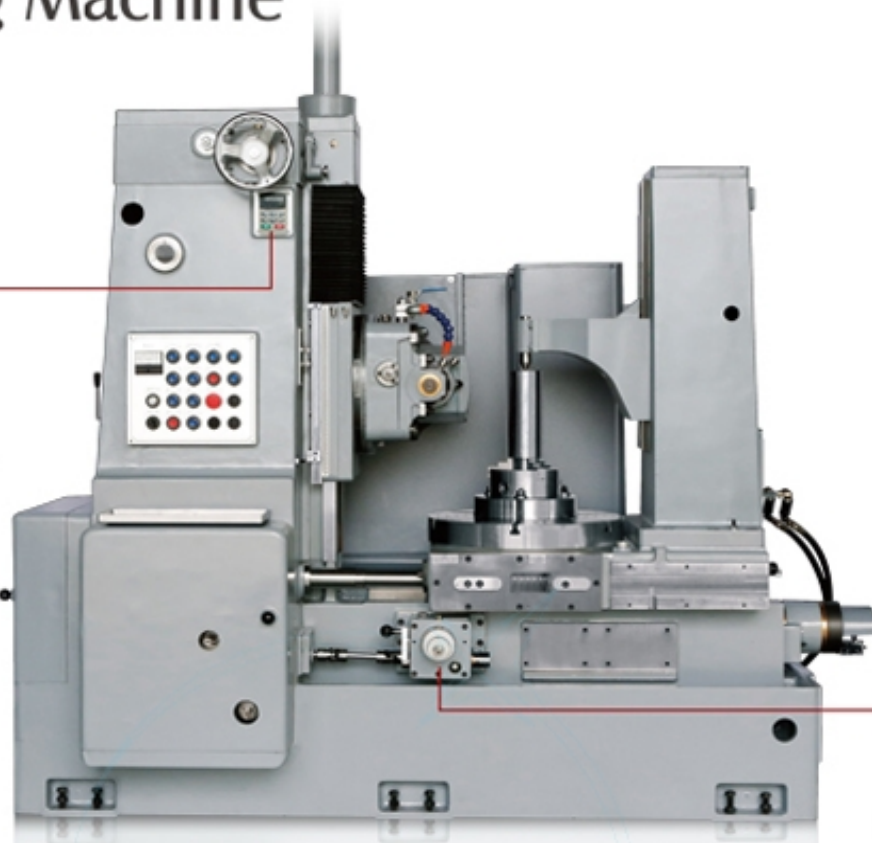
Y.S-V600 Hobbing Machine 滾齒機



Y.S-V600 Hobbing Machine



變頻驅動器控制面板
Control Panel of
Variable Frequency Driver



可自動滾切蝸齒輪裝置
Equipment Used for
Auto Making a Worm Gear

機台5大特點 Machine Features

01

滾齒機主結構均採用高強度片狀石墨鑄鐵材質，並經殘留應力消除特殊處理。剛性佳、加工能力強。

We use the high intensity graphite iron material to assemble the main parts of this hobbing machine. And using the particular treatment to release the residual stress inside these main parts. Strong rigidity and high performance.

02

滾齒機各項精度檢驗符合ISO6545 : 1992 / JB2493-78 / IS8407 : 2010 / CNS4351 b7099等規範。

The proceedings of all needing geometric precision inspections for this hobbing machine totally follow the standards of ISO6545:1992 / JB2493-78 / IS8407:2010 / CNS4351 b7099.

03

滾齒機採用變頻驅動器控制主馬達轉速大小，使刀具轉速、切削深度及進給率的配合運用上更加靈活與方便。

We set up a variable frequency driver in this hobbing machine to control the rotary speed of main motor to make the cutting speed of hobbing cutter, cutting depth and feedrate operate more flexible in coordination.

04

加工成品精度等級在新制JIS 8級以內。(舊制4級以內)

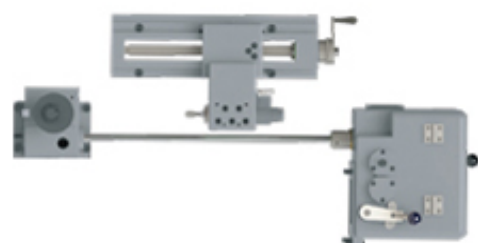
The grade of precision of the made product conforms to NEW JIS grade 8th. (JIS B 1702-1, 2:1998)

05

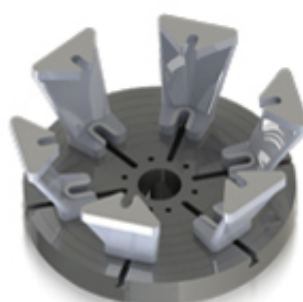
滾齒機採用自動滾切蝸齒輪裝置。

This hobbing machine could make a worm gear automatically.

選配 Optional Equipment



加工冠狀齒輪機構總成
Mechanism assembly
for making a crown gear.



加工最大外徑超過600 mm時
所使用的支撐臂
The supporting arms is used
for making gear when its
diameter is over 600 mm.

成品實例 Product

5M 21齒 時規齒輪
5M 21T Timing Pulley

鋁合金
Aluminum Alloy

加工條件:
切削速率: 3600 rpm
進給率: 0.86 mm / 轉盤每轉
切削深度: 2 mm

Working Condition :
Cutting Speed : 3600 rpm
Feed : 0.86 / Per Round of the Working Table
Cutting Depth : 2 mm



主要技術規格

Machine Main Technical Specifications

項目 Item	規格 Technical Specifications
體積 Machine Volume	L2300 x W1250 x H2350 mm
總重量 Machine Weight	6000 kg
主馬達動力 Main Motor Power	220 / 400 V 50 / 60 HZ 4.0 KW 460 V 50 / 60 HZ 4.6 KW
刀座迴轉角度 Cutting Rotary Angle	-45° ~ +60°
加工最大模數 Working Max. Modulus	6
加工最大直徑 Working Max. Diameter	有尾立柱600 mm 無尾立柱800 mm Working max. diameter is 600 mm and it may extend to 800 mm when getting rid off the working-steady column.
加工最大寬度 Working Max. Width	370 mm
加工最小齒數 Working Min. Number of Teeth	8齒(單牙口滾刀) Working min. number of tooth is 8 when using single thread cutter.
刀具主軸孔錐度 The Bore Taper for Fitting Cutter Arbor	莫氏4號 Morse no 4.
刀具允許轉速 Allowable Cutting Speed	允許最高轉速250 RPM Allowable max. cutting speed is 250 RPM.
允許安裝滾刀直徑 Cutter Max. Diameter	最大長度150 mm 最大直徑125 mm Cutter max. diameter is 125 mm and max. length is 150 mm.

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