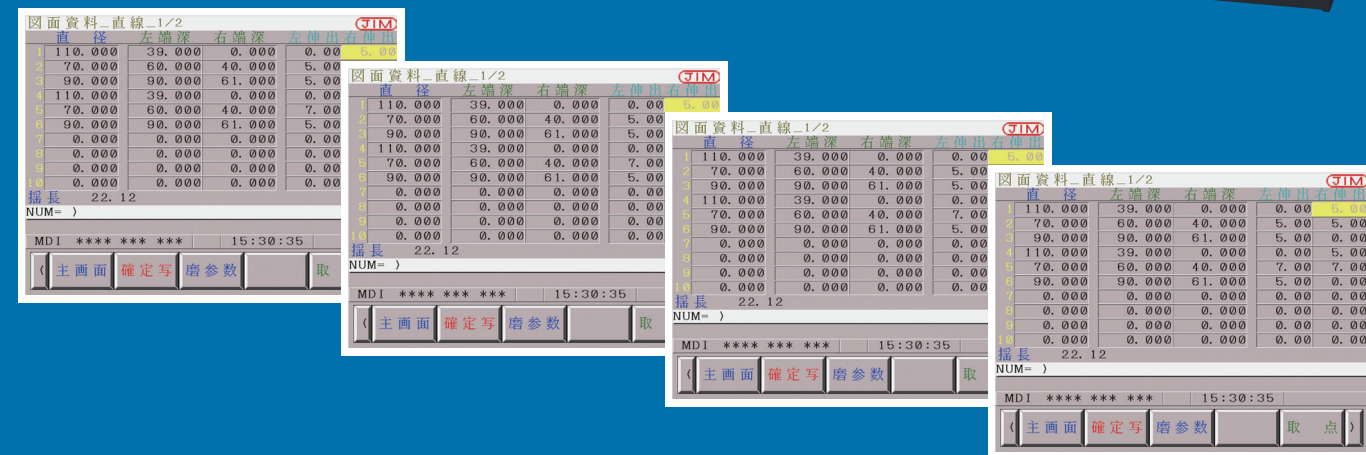


06
JG3S

- ✓ **EASY**
- ✓ **ECONOMIC**
- ✓ **ENSURE**



FANUC 0i – TF PLUS

SYNTEC 22MA



控制系統：

為了使客戶能安全、容易、多功能的操作JG3，我們使用了FANUC或SYNTEC之控制器，並搭配本公司自行開發之研磨軟體。

研磨軟件（選配）：
JIMATIC F-9000 or JIMATIC S-9000

完整提供20個工程程序之連續加工（包括內孔、端面、外徑等程序），工作能力強大研磨排程變得更容易、校機正確又快速。

Control System:

FANUC or SYNTEC controller and self-developed grinding software are designed for safe and easy operating.

Grinding Software (option): JIMATIC F-9000 or JIMATIC S-9000

Perfect twenty procedures of grinding workpieces at one time, including inner faces, inner and end face, etc., which creates strong capacity, simple grinding, high efficiency and high accuracy.

05
JIMATIC F-9000



工藝與科技的結合體

向應機械工業股份有限公司，以製造磨床四十餘年的工作經驗，培養研磨工藝的技術，並投入最新科技的開發；不斷自我提昇研究團隊競爭力，提供客戶更多選擇與服務。從早期油壓內徑研磨機，發展到今天的CNC系列，自動化、高精密等多樣產品，更能符合客戶的需求。對客戶的銷售服務(前期規劃,中期保證,後期保固),我們均要求完美的客戶感受,對品質的要求態度,我們從不放鬆,我們也確信客戶滿意使用,保證最高品質及先進研發能力，才是在競爭市場中常勝唯一目標。“JIM”這個標誌是磨床品質的代表，我們將持續保有這份榮耀並發揚全世界。

TECHNOLOGY/TECHNIQUE

Hypermax Machinery CO., Ltd. (hereinafter called " Hsiang Ying"), with more than forty-year experience of producing grinders, cultivates craft technology of grinding and involves in deceloping the latest technology.

in order to provide customers with more choices and services, Hypermax constantly enhances the competitiveness of the research team. Form the early hydraulic internal grinder to nowadays CNC series, the variety products with automation and high-precision models meet customers' needsds.

We believes that the only way to win in the competitive market is to concern customers' satisfaction, guarantee of the highest quality and advanced R & D capabilities. Perfect satisfaction is guaranteed to Hypermax's customers. "JIM" represents high quality grinders.

Hypermax will maintain this honor and carry it foward to the whole world.

CNC Universal Circular Grinder JG3

CNC Universal Circular Grinder JG3

技術資料 Technical Data

機型		單位Unit	JG3	JG3u	JG3S	JG3Su
工作能力 Working Capacity	工作台旋徑 Swing Over Table	mm	300	300	300	300
	可研磨內徑長度 Length of Grinding (inner)	mm	ψ250	ψ250	ψ250	ψ250
	可研磨內徑 Range of Grinding ID	mm	ψ6~ψ200	ψ6~ψ200	ψ6~ψ200	ψ6~ψ200
	可研磨外徑長度 Length of Grinding (outer)	mm	150	100	150	100
	可研磨外徑 Range of Grinding OD	mm	ψ200	ψ200	ψ200	ψ200
	最大工件重量 Load on Spindle Head	Kg	150	150	150	150
	最大工件外徑 Range of Workpiece OD	mm	ψ250	ψ250	ψ250	ψ250
	最大工件長度 Max. Workpiece Length	mm	850	850	400	400
工作台進給 Work Table Infeed	全移動量 Max. Carriage Feed Drive	mm(X-axes) mm(Z1-axes) mm(Z2-axes)	400 390 390	400 390 390	400 390 390	400 390 390
	最小設定單位 Min. Setting Unit	mm	0.001	0.001	0.001	0.001
	自動進給速度 Auto Infeed Speed	mm/min	5000	5000	5000	5000
	轉速 Work Spindle Speed	R.P.M.	1~900	1~900	1~900	1~900
工件主軸 Workhead Spindle	主軸內孔錐度 Inner Hole Taper	M.T.	MT.5	MT.5	MT.5	MT.5
	主軸孔徑 Dia. of Through Hole	mm	ψ32	ψ32	ψ32	ψ32
	主軸調整角度 Headstock Swing angle	°	-10°~+28°	-10°~+28°	-10°~+28°	-10°~+28°
	機械尺寸(長x寬x高) Machine Dimension	mm (LxWxH)	3050x1925x2203	3050x1925x2203	2500x1900x2203	2500x1900x2203
機械規格 Machine Size	機械重量 Net Weight (approx.)	Kg	4000	4200	3500	3700

機械基礎圖 Machine Layout



向應機械工業股份有限公司
HYPERMAX MACHINERY CO.,LTD.

CNC Universal Circular Grinder

JG3

數控複合式內外徑磨床
CNC Universal Circular Grinder

解決研磨最佳方案

Optimal Solution for Grinding

代理商 / AGENT



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01

數控複合式 內外徑磨床 CNC Universal - Circular Grinder

JG3是針對工件之需求, 利用多種砂輪配置改善製程, 提高精度之研磨機, 能進行內徑, 外徑, 端面及錐度之同時研磨.簡易的四軸伺服構造及雙研磨主軸提供多樣的系統配置, 使加工能力無限寬廣。

JG3 makes customers to find the optimal process for the workpieces, owing to supplying high accuracy. This Machine performs automatically grinding inner and outer diameters, faces and tapers. Simple 4 axes servo structure and twin wheel spindles provide various constitution to raise the broad working range of workpieces.

02

機械形式 Machine Program

1. 雙主軸內徑磨床
2. 複合式內外徑磨床

1. JG3, JG3S for Twins Internal Grinder
2. JG3u, JG3Su for Universal Grinder

03

多種選擇 Optimal Solution

針對不同尺寸的工件，我們將JG3細分為一般系列和S系列，讓每一位客戶都能選擇到最適合的機型，獲得最佳解決方案。

Tailored to different workpiece sizes, we've subdivided the JG3 into General Series and S Series, ensuring every customer can choose the most suitable model and obtain the best solution.

01

數控複合式內外徑磨床 CNC Universal -Circular Grinder



JG3

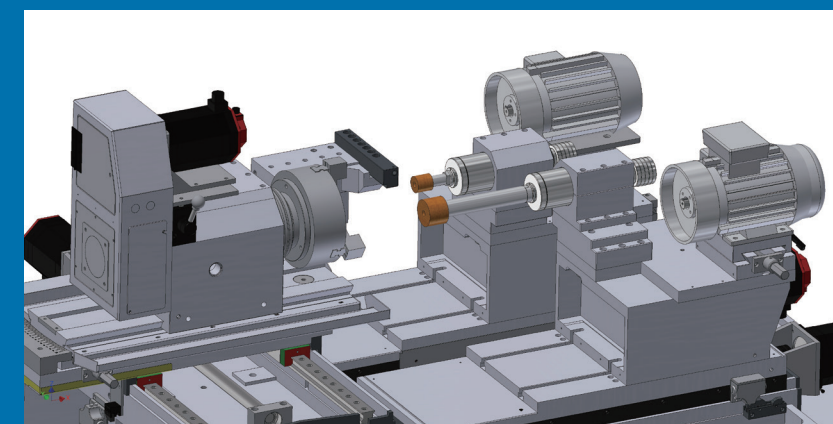
02

機械形式 Machine Program

02.1

雙主軸內徑磨床

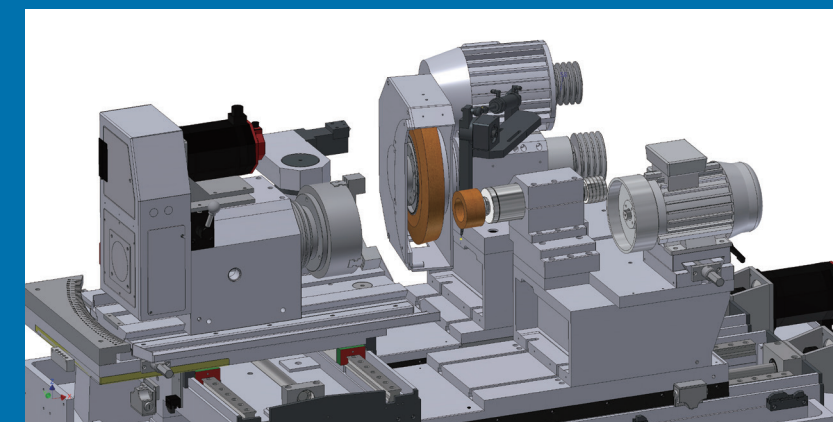
JG3 JG3S for Twins Internal Grinder



02.2

複合式內外徑磨床

Universal Grinder



03

多種選擇 Optimal Solution

一般系列—適合工件長度小於 850 mm

S系列—適合工件長度小於 400 mm

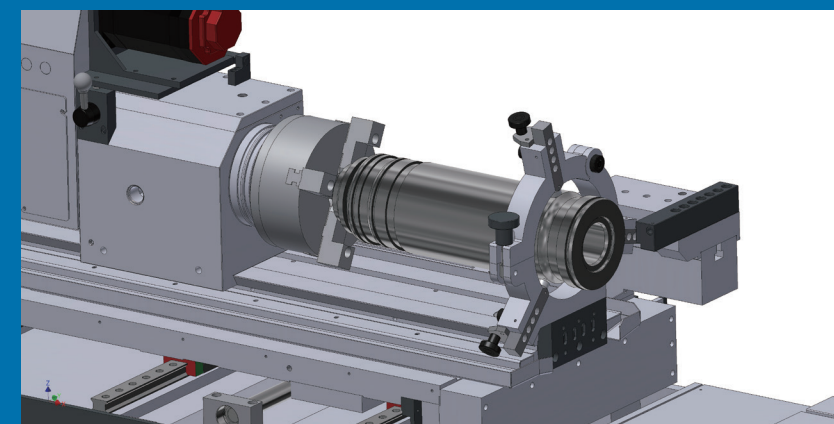
General series - suitable for workpiece length less than 850 mm

S series - suitable for workpiece length less than 400 mm

03.1

長工件

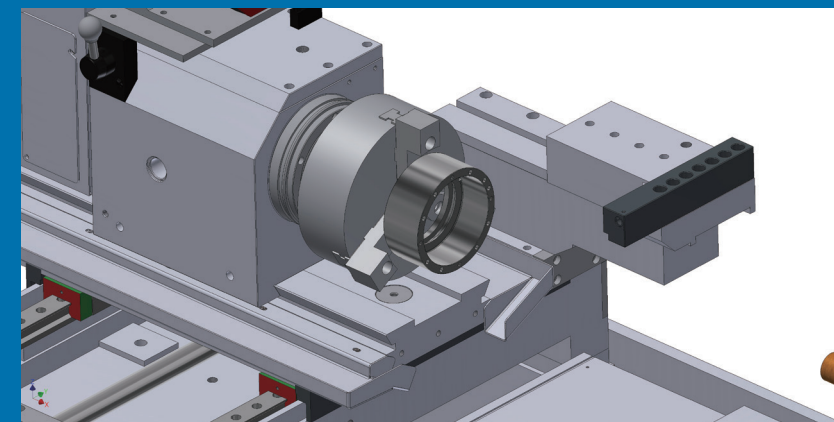
Long workpiece



03.2

短工件

Short workpiece



04

寬廣的工作能力 Wide Capacity

工作能力：

研磨內徑：Ø 6 ~ 200 mm

外徑：max. Ø 200 mm

研磨長度 內徑：250 mm

外徑：150 mm

可夾持工件長度：850 mm

中心架：Ø 200 mm

Work Capacity:

Grinding Dia. Internal: Ø 6 ~ 200 mm

External: max. Ø 200 mm

Grinding Length: Internal: 250 mm

External: max. 150 mm

Length of Workpiece: 850 mm

Rest Max Dia.: Ø 200 mm

1.精密修砂座：

有多種修整器可選擇，也可安裝兩種以上修整器。

a.固定式修砂器：可安裝2只鑽石筆，用於內徑研磨。

b.單元懸臂式修整器：安裝6只鑽石筆可同時修整內圓砂輪及外徑砂輪，可確保修整之穩定性與良好之研磨特性。

1. Dressing:

There are lots of dressers for the operator to choose.

a. Fixed Dresser

Used to set up two diamond pens for internal grinding.

b. Unit-Rotary Dresser Arm Dresser

Used to set up six diamond pens to adjust inner and outer wheel spindles at one time.

This assures the steady of dressing and good character of grinding.

2.工件中心架：

有兩種尺寸可選擇 Ø 150 / Ø 200。

2.Rest:

There are two types of rest — Ø 150 and Ø 200 (Opt).

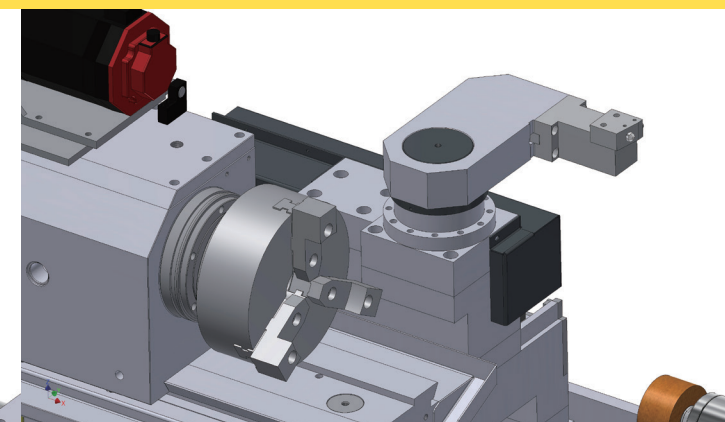
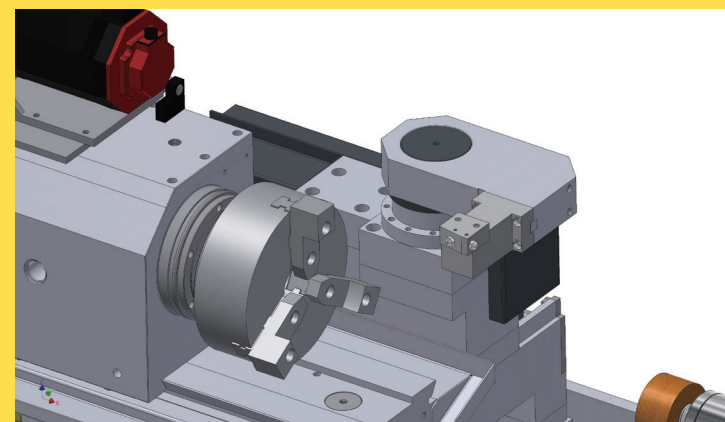
3.工件台旋轉角度：

偏擺角度可達28°~ -10°，適合大角度研磨。

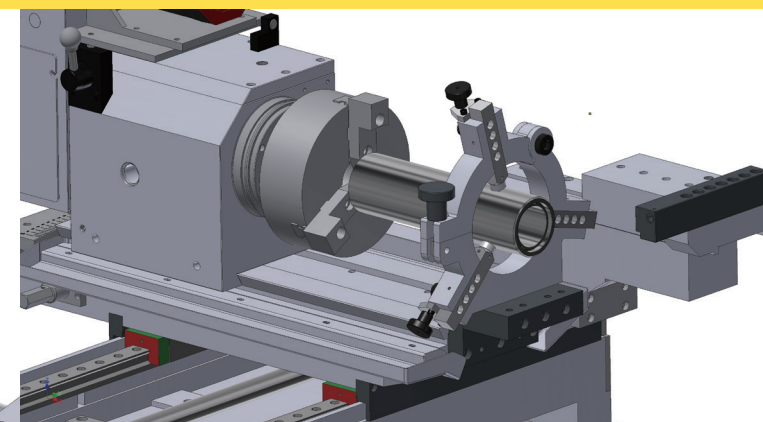
3.Workpiece Table Rotation Angle:

The degree of taper angle can be grounded up to 28° ~ -10°, which is suitable for wide-angle grinding.

04.1



04.2



04.3

