MAKE
GRINDING
EASIER

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HUSDOM

PRODUCT
CATALOG

MAKE GRINDING EASIER

HUSDOM Technology Co.,Ltd

MAKE GRINDING EASIER

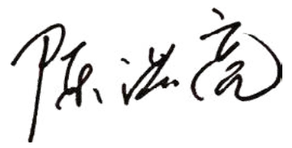
ABOUT US

HUSDOM

HUSDOM originated from a Taiwan, China-based enterprise with 35 years of expertise in precision manufacturing and grinding technology.

We specialize in CNC external cylindrical grinders, internal grinders, composite grinders, and grinding automation, serving industries such as automotive, medical, optics, robotics, semiconductors, molds, and aerospace.

To align with the growing strength of mainland China's manufacturing, we established a wholly-owned subsidiary in Ningbo, Zhejiang, and have achieved breakthroughs in high-speed, high-precision, and heavy-duty grinding.



Chen Hongliang

MARPOSS

Automatic outer diameter measuring device

It precisely measures the inner and outer diameters of the workpiece on the production line, preventing excessive cutting, ensuring machining dimensions and surface accuracy, and shortening machining time. The repeatability can reach <0.002mm, which helps to further improve process reliability and production quality.

Automatic end face measuring device

MARPOSS

It captures the axial position of the workpiece in the Z-axis direction, preventing excessive cutting, ensuring machining dimensions and surface accuracy, and shortening machining time. The repeatability can reach ≤ 0.01mm

Automatic grinding wheel balancing and correction

The optimally balanced grinding wheel is a necessary condition for obtaining good grinding results. The imbalance data is displayed through the dynamic balancing system, and the position of the flange balance block is adjusted according to the data to achieve grinding wheel balance.

Audio sensor

ACCRETECH

SDS DYNAMIC BALANCE SYSTEM

An audio anti-collision sensing system is incorporated. It is specifically designed for simple and cost-effective applications.

FANUC

FANUC’s System

Secondary development based on FANUC's system for convenient operation

Automatic program generation based on input parameters, reducing programming requirements for personnel

Reduces equipment adjustment time, enhances efficiency, and promotes ease of use

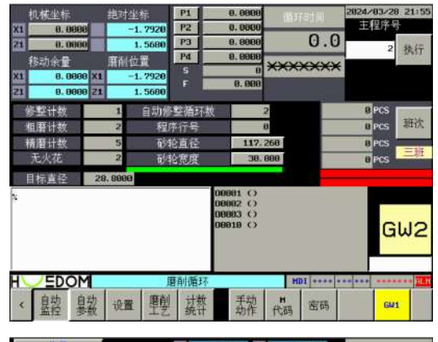
Machine tool control and operating systems

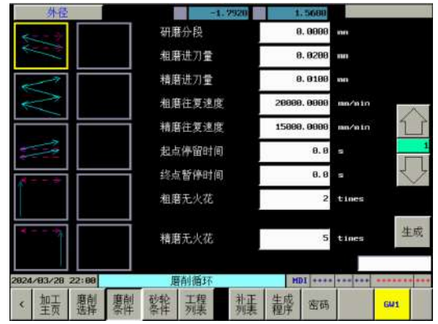
The product has a Fanuc Oi-TF system and 10.4" color display, boasting exceptional reliability and seamless integration with drive components
The control cabinet is installed on the bed with bolts. Electrical equipment complies with relevant safety standards and all control devices are designed to be convenient and ergonomic.
The handheld control unit is very important and allows easy control of the grinding process.
A special feature - electronic cut-in detection equipment - can reduce machine tool setting time and significantly improve grinding efficiency.

- PCU handheld control terminal
- Ergonomic control panel
- Latest software technology
- Self-developed modular programming software

Programming

- Icon-based programming: The operator simply arranges individual grinding function icons to perform programming
- Free programming of the grinding and dressing processes allows for an even more optimized grinding process.
- Used for profile grinding of complex workpieces and profile grinding wheels; input can be made directly on the graphics and the program will be automatically generated.





GN-500

Integrated CNC Internal & external turning & grinding machine

Double grinding wheel spindle structure / Available for addition of turning module (optional)
Max. grinding depth of 200mm / FANUC controller / full-enclosed shield
X-, Y-, and Z-axis travel 390/350+200/350+200mm

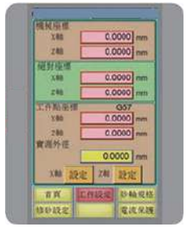
HUSDOM

FANUC controller

Strong functions, available for setting of multi-faced grinding parameters

One clamping of workpiece allows grinding for up to 16 faces

Man-machine sensing screen



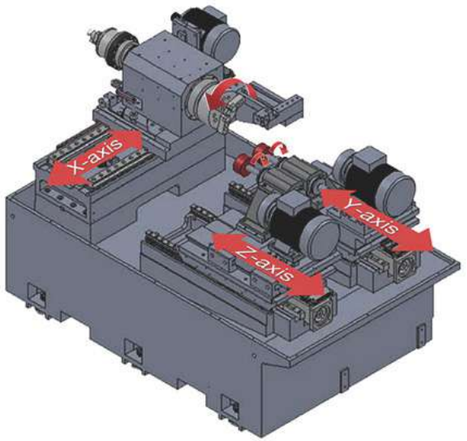
Control of motor current under various grinding conditions is available

It is equipped with grinding sensing function

Double grinding spindles

Grinding spindle + turning module

The optimal structure design ensures stability and high rigidity



Linear guide + ball screw

High-precision linear guide and ball screw are used for X and Z axis, providing high precision and high rigidity.

High-grade cast iron

The structural body is made of FC30 high-grade cast iron, processed with tempering and stress relief heat treatment, permanently ensuring the processing precision and stability.

Stable base

The large and stable base with internal frame configuration is designed according to mechanical principles, showing unique stability.

Servo motor drive

Servo motor drive is used for the movement of X and Z axis. The minimum movement unit is 0.001mm.

GN-150A

CNC Internal hole grinder (single spindle)

Single grinding wheel spindle structure / Additional turning module available (optional)
Max. grinding depth of 150mm / FANUC controller /Semi-enclosed shield
X-, Y-, and Z-axis travel

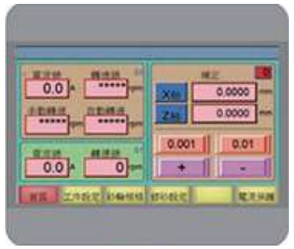
HUSDOM

FANUC controller

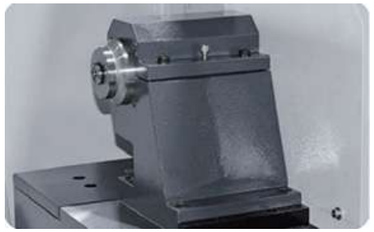
Strong functions, available for setting of multi-faced grinding parameters
One clamping of workpiece allows grinding for up to 16 faces

Man-machine sensing screen

Control of motor current under various grinding conditions is available
It is equipped with grinding sensing function

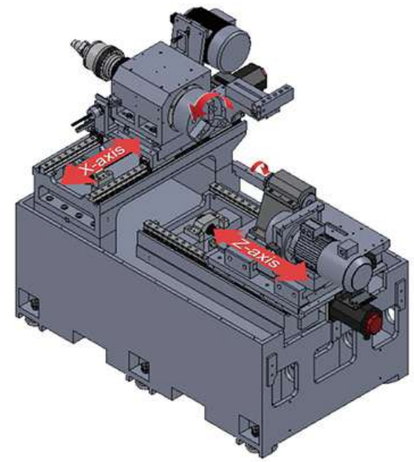


Single grinding spindle



Single grinding spindle + installing turning module

Stable body structure, ultimate rigidity and stability



Linear guide + ball screw

High-precision linear guide and grade-C1 ball screw are used for X and Z axis, providing high precision and high rigidity.

High-grade cast iron

The structural body is made of FC30 high-grade cast iron, processed with tempering and stress relief heat treatment, permanently ensuring the processing precision and stability.

Stable base

The large and stable base with internal frame configuration is designed according to mechanical principles, showing unique stability.

Servo motor drive

Servo motor drive is used for the movement of X and Z axis. The minimum movement unit is 0.001mm.

GN-150B

CNC internal & external end surface Integrated grinder (transverse shaft grinding)

Double grinding wheel spindle structure / End surface grinding head added
Max. grinding depth of 150mm / FANUC controller / Fully-enclosed shield

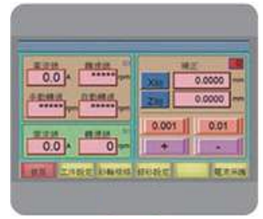
HUSDOM

FANUC controller

Strong functions, available for setting of multi-faced grinding parameters
One clamping of workpiece allows grinding for up to 16 faces

Man-machine sensing screen

Control of motor current under various grinding conditions is available
It is equipped with grinding sensing function

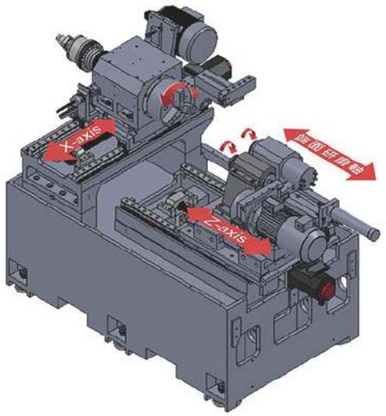


Single grinding spindle + installing turning module

End surface grinding head

For the movement of end surface grinding head, oil pressure cylinder is used for driving and positioning, and the distance of movement is controlled by servo motor.
10,000rpm built-in grinding wheel spindle.

Stable body structure, ultimate rigidity and stability



Linear guide & ball screw

High-precision linear guide and grade-C1 ball screw are used for X and Z axis, providing high precision and high rigidity.

High-grade cast iron

The structural body is made of FC30 high-grade cast iron, processed with tempering and stress relief heat treatment, permanently ensuring the processing precision and stability.

Stable base

The large and stable base with internal frame configuration is designed according to mechanical principles, showing unique stability.

Servo motor drive

Servo motor drive is used for the movement of X and Z axis. The minimum movement unit is 0.001mm.

GRINDER MODEL

Standard Parameters	Unit	GN-500	GN-150A	GN-150B
Processing capacity				
Range of grinding diameter	mm	ø4 ~ ø320	ø4 ~ ø240	ø4 ~ ø200
Max. grinding depth	mm	200	150	150
Max. swing diameterof workpiece	mm	ø450	ø380	ø300
Inner swing diameterof waterproof cover	mm	ø320	ø300	ø300
Control System				
Controller		FANUC	FANUC	FANUC
Work head				
Spindle speed	rpm	0 ~ 1000	0 ~ 1000	0 ~ 1000
X-axis feed rate / Max. travel	M/min	10M/min / 390	10M/min / 350	10M/min / 350
Min. displayedunit of X-axis	mm	0.0001	0.0001	0.0001
Rotation angle of working head	∠	-5° ~ +30°	-5° ~ +15°	-5° ~ +15°
Table				
Feed rate of Y and Z axis	M/min	10/10M/min	Z：10M/min	Z：10M/min
Max. travelof Y and Z axis	mm	350+200/350+200	Z：400+100	Z：400+100
Min. displayedunit of Y and Z axis	mm	0.0001/0.0001	Z：0.0001	Z：0.0001
Height of working spindle center from ground	mm	1100	1060	1060
Oil pressure system				
Oil tank capacity	L	30	30	30
Cooling system				
Cutting fluid tank capacity	L	200	150	150
Drive motor				
Oil pressure motor	Kw（HP）	0.75Kw（1HP）	0.75Kw（1HP）	0.75Kw（1HP）
Cutting fluidmotor	Kw（HP）	0.18Kw（1/4HP）	0.18Kw（1/4HP）	0.18Kw（1/4HP）
X-, Y-, and Z-axis servo motor	Kw	1.6 x 1.6 x 1.6	X：1.2Kw / Z：1.2Kw	X：1.2Kw / Z：1.2Kw
Grinding wheel motor （Kw）	（HP）	4.0 · 2P（5HP） 4.0 · 2P（5HP）	2.2 · 2P（3HP）	2.2 · 2P（3HP） 3.0（4HP）
Spindle head motor	（HP）	2.2 · 4P（3HP）	2.2 · 4P（3HP）	2.2 · 4P（3HP）
Others				
Automatic oiling machine	L	4	2	2
Dimensions (L×W×H) - including fittings	mm	3500 x 2150 x 1900	2550x 2000 x 1800	2550 x 2000 x 1800
Weight	kg	4750	3000	3200

Standard Parameters	Unit	KG-400IE	KG-500LE
Processing capacity			
Range of grinding diameter	mm	ø4 ~ ø320	ø20 ~ ø320
Max. grinding depth	mm	200	200
Max. swing diameterof workpiece	mm	ø435	ø435
Inner swing diameterof waterproof cover	mm	ø400	ø320
Control System			
Controller		FANUC/0i-TF	FANUC
Work head			
Spindle speed	rpm	0 ~ 1000	1000
X-axis feed rate / Max. travel	M/min	10M/min / 350	10M/min / 750
Min. displayedunit of X-axis	mm	0.0001	0.0001
Rotation angle of working head	∠	-5° ~ +15°	-5° ~ +30°
Table			
Feed rate of Y and Z axis	M/min	Z：10M/min	10M/min
Max. travelof Y and Z axis	mm	Z：345+200	320+200
Min. displayedunit of Y and Z axis	mm	Z：0.0001	0.0001
Height of working spindle center from ground	mm	1100	1100
Oil pressure system			
Oil tank capacity	L	30	30
Cooling system			
Cutting fluid tank capacity	L	260	200
Drive motor			
Oil pressure motor	Kw（HP）	0.75Kw（1HP）	0.75Kw（1HP）
Cutting fluidmotor	Kw（HP）	1.5Kw（1/4HP）	0.37Kw（1/2HP）
X-, Y-, and Z-axis servo motor	Kw	X：1.6Kw /Y：1.6Kw/ Z：1.6Kw	1.6 x 1.6 x 1.6
Grinding wheel motor （Kw）	（HP）	4 -	4.0（5HP- 4P） 4.0（5HP-2P）
Spindle head motor	（HP）	2.2 · 4P（3HP）	2.2（3HP-4P）
Others			
Automatic oiling machine	L	4	4
Dimensions (L×W×H) - including fittings	mm	3500 x 2150 x 2200	3300 x 2350 x 1950
Weight	kg	5500	5000

INGENIOUS GRINDING FIRST-CLASS TECHNOLOGY

Perfect manifestation of precision and quality

Mechanical Engineering

Automotive Solutions

Aerospace Solutions

Connectors/Fluid Systems

Optics/Micromechanics

HUEDOM

Sustainable Development

Boosting growth and innovation

Prioritizing health and safety

Protecting our green future

Advancing circular resource use

Empowering local collaboration

Ensuring transparent compliance

United Nations Global Compact

SUSTAINABLE DEVELOPMENT GOALS

Certificates / Patents

Ningbo

Taichung

Company Vision

Grinding speaks, precision defines. Rooted in craft, built on trust.

Company Vision

MAKE GRINDING EASIER!

Six Core Values

H — Honesty

Integrity and quality earn lasting trust.

U — User-Centric

Understand needs, deliver tailored solutions.

S — Smart Innovation

Drive grinding innovation and digitalization.

D — Dedication

30+ years of precision expertise.

O — Openness

Global vision, shared success with partners.

M — Manufacturing Excellence

World-class craftsmanship ensures reliability.