About us

Grinding

Accessories

HUSEDOM

MAKE GRINDING EASIER

PRODUCT CATALOG

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HUSDOM Technology Co.,Ltd

MAKE GRINDING EASIER

ABOUT US

HUSDOM

"HUSDOM - Honing Expertise for 35 Years, Focused on Crafting Every Grinding Machine."

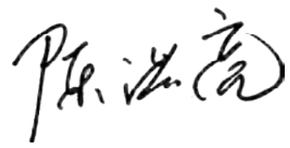
We are from Taichung City, the birthplace of precision machine tools in Taiwan, China. Benefiting from 35 years of manufacturing expertise and extensive grinding technology proficiency, HUSDOM's production of precision CNC external cylindrical grinders, single/double-axis internal cylindrical grinders, thread grinders, jig-grinders, composite grinders, grinding automation, and more has made it a reliable partner for domestic and international customers in the fields of automotive parts, medical devices, VR optics, humanoid robots, pneumatic and hydraulic tools, semiconductors, molds, aerospace, and precision machinery.

"Out of Taiwan, Towards the World."

In 2020, the COVID-19 pandemic reshaped the world's ecosystem, prompting us to abandon conservatism. We chose to establish a wholly-owned assembly factory in Ningbo, Zhejiang Province, China, marking our well-prepared entry into the mainland Chinese market. Through deep collaboration with a Swiss century-old grinding technology team, our products have greatly improved in the high-speed, high-precision, heavy-duty grinding domain. Here, we still adhere to the idea of "Craftsman" for 35 years, crafting each grinding machine with ingenuity.

Few words are needed for beauty,
No detail is spared for high quality.

MAKE GRINDING EASIER!



Chen Hongliang

FANUC

FANUC’s System

Secondary development based on FANUC's system for convenient operation

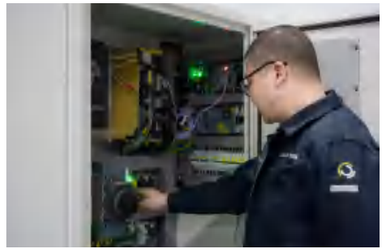
Automatic program generation based on input parameters, reducing programming requirements for personnel

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

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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

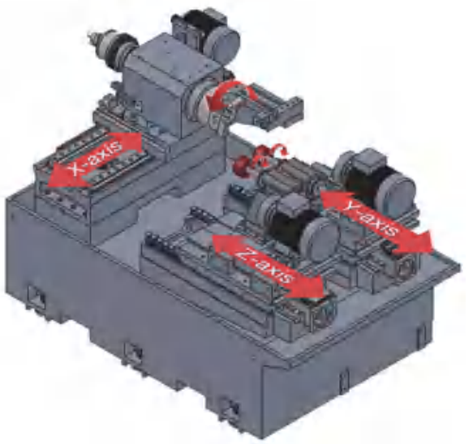
Control of motor current under various grinding conditions is available

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)

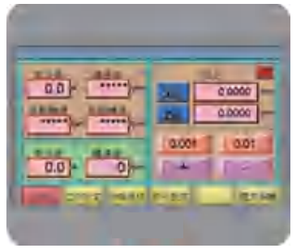
Single grinding wheel spindle structure / Additional turning module available (optional)
Max. grinding depth of 150mm / FANUC controller /Semi-enclosed shield
X-, Y-, and Z-axis travel

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

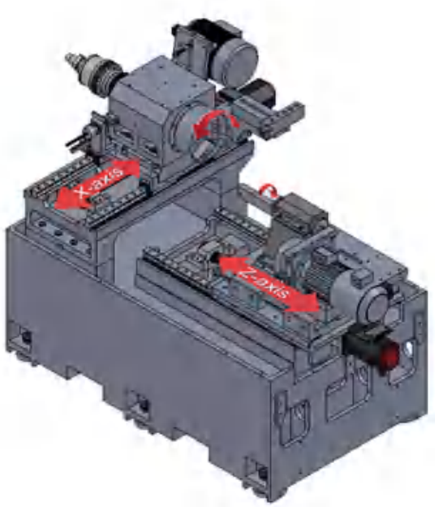
Control of motor current under various grinding conditions is available
It is equipped with grinding sensing function



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

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

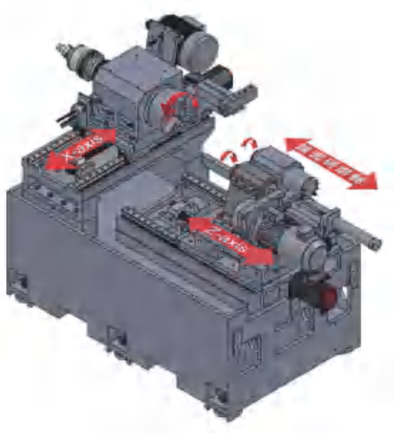
Control of motor current under various grinding conditions is available
It is equipped with grinding sensing function

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.

GN-400S

CNC Infernal External End Face Grinding Complex Machine

Double grinding wheel spindle structure / with end face grinding head
maximum grinding depth 200mm FANUC controller / fully enclosed protective cover
X, Z axis travel 300/400+100mm

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Standard configuration

For enhanced performance, the machine incorporates a high-rigidity A2-6 sleeve-type spindle. This spindle boasts exceptional radial rigidity, minimal thermal deformation due to stable temperature rise, and maintains high dynamic rotation accuracy, ensuring the accuracy and stability of the workpiece during processing.

Standard configuration

The Y-axis is equipped with a sleeve-type high-rigidity grinding spindle, and a grinding wheel with an outer diameter of Φ405mm (with a grinding wheel head angle of 25°). The Z-axis is equipped with a belt-type grinding spindle.

Optional

The Y-axis is equipped with a sleeve-type high-rigidity grinding spindle, and a grinding wheel with an outer diameter of Φ405mm (with a grinding wheel head angle of 25°)
The Z-axis is equipped with a built-in grinding spindle
The Z2-axis is equipped with built-in grinding spindle

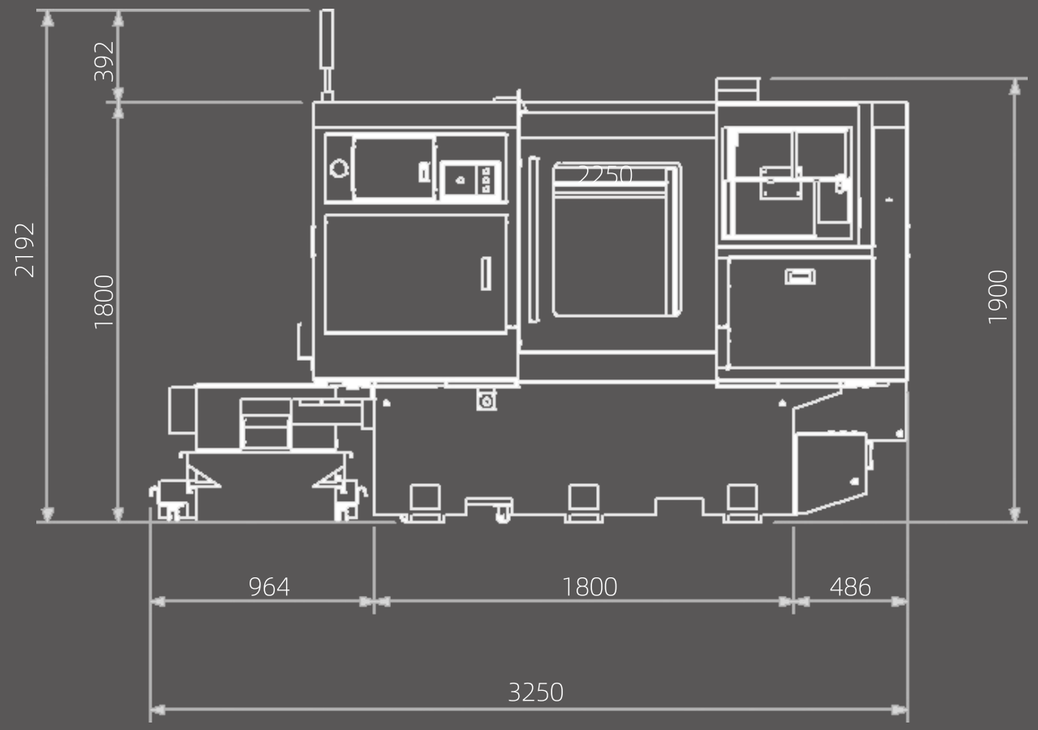
Optional

The Y-axis is equipped with a sleeve-type high-rigidity grinding spindle, and a grinding wheel with an outer diameter of Φ405mm (with a grinding wheel head angle of 25°)
The Z-axis is equipped with a belt-type grinding spindle
The Z2-axis equipped with a belt-type grinding spindle

GRINDER MODEL

Standard Parameters	Unit	GN-500
Processing capacity		
Range of grinding diameter	mm	ø4 ~ ø320
Max. grinding depth	mm	200
Max. swing diameterof workpiece	mm	ø450
Inner swing diameterof waterproof cover	mm	ø320
Control System		
Controller		FANUC
Work head		
Spindle speed	rpm	0 ~ 1000
X-axis feed rate / Max. travel	M/min/mm	10M/min / 390
Min. displayedunit of X-axis	mm	0.0001
Rotation angle of working head	°	-5° ~ +30°
Table		
Feed rate of Y and Z axis	M/min	10/10M/min
Max. travelof Y and Z axis	mm	350+200/350+200
Min. displayedunit of Y and Z axis	mm	0.0001/0.0001
Height of working spindle center from ground	mm	1100
Oil pressure system		
Oil tank capacity	L	30
Cooling system		
Cutting fluid tank capacity	L	200
Drive motor		
Oil pressure motor	Kw（HP）	0.75Kw（1HP）
Cutting fluidmotor	Kw（HP）	0.18Kw（1/4HP）
X-, Y-, and Z-axis servo motor	Kw	1.6 x 1.6 x 1.6
Grinding wheel motor （Kw）	（HP）	4.0 · 2P（5HP） 4.0 · 2P（5HP）
Spindle head motor	（HP）	2.2 · 4P（3HP）
Others		
Automatic oiling machine	L	4
Dimensions (L×W×H) - including fittings	mm	3350 x 2150 x 1900
Weight	kg	4750

Standard Parameters	Unit	GN-150A	GN-150B	GN-400S
Processing capacity				
Range of grinding diameter	mm	ø4 ~ ø240	ø4 ~ ø200	ø4 ~ ø320
Max. grinding depth	mm	150	150	200
Max. swing diameterof workpiece	mm	ø380	ø300	ø435
Inner swing diameterof waterproof cover	mm	ø300	ø300	ø400
Control System				
Controller		FANUC	FANUC	FANUC/0i-TF
Work head				
Spindle speed	rpm	0 ~ 1000	0 ~ 1000	0 ~ 1000
X-axis feed rate / Max. travel	M/min/mm	10M/min / 350	10M/min / 350	10M/min / 350
Min. displayedunit of X-axis	mm	0.0001	0.0001	0.0001
Rotation angle of working head	°	-5° ~ +15°	-5° ~ +15°	-5° ~ +15°
Table				
Feed rate of Y and Z axis	M/min	Z：10M/min	Z：10M/min	Z：10M/min
Max. travelof Y and Z axis	mm	Z：400+100	Z：400+100	Z：345+200
Min. displayedunit of Y and Z axis	mm	Z：0.0001	Z：0.0001	Z：0.0001
Height of working spindle center from ground	mm	1060	1060	1100
Oil pressure system				
Oil tank capacity	L	30	30	30
Cooling system				
Cutting fluid tank capacity	L	150	150	260
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）	1.5Kw（1/4HP）
X-, Y-, and Z-axis servo motor	Kw	X：1.2Kw / Z：1.2Kw	X：1.2Kw / Z：1.2Kw	X：1.6Kw /Y：1.6Kw/ Z：1.6Kw
Grinding wheel motor （Kw）	（HP）	2.2 · 2P（3HP）	2.2 · 2P（3HP） - 3.0（4HP）	4
Spindle head motor	（HP）	2.2 · 4P（3HP）	2.2 · 4P（3HP）	2.2 · 4P（3HP）
Others				
Automatic oiling machine	L	2	2	4
Dimensions (L×W×H) - including fittings	mm	2500 x 2300 x 1700	2500 x 2300 x 1700	3500 x 2150 x 2200
Weight	kg	3000	3200	5500



CUSTOM SIZE

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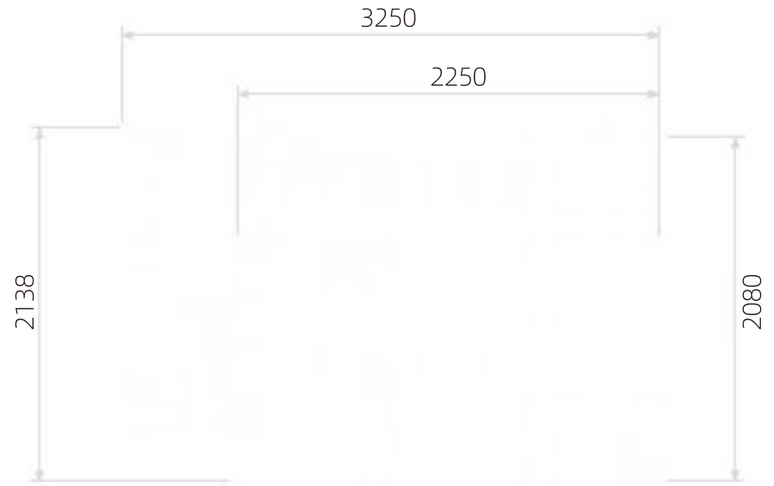

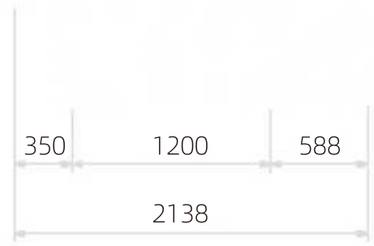

Ingenious grinding
First-class technology

Perfect manifestation of precision and quality

Grinding
Craft
Delica
Precision
Texture

HUSDOM

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