

Specification Table

Model		Unit	JN-V800
Travel	X axis	mm (inch)	800 (31.5)
	Y axis	mm (inch)	500 (19.7)
	Z axis	mm (inch)	500 (19.7)
	Spindle nose to table	mm (inch)	150-650 (5.9-25.6)
	Spindle centre to solid column surface	mm (inch)	520 (20.5)
Table	Working area	mm (inch)	900*500 (35.4*19.7)
	Max.loading	kg	500
	T-slots(No.*Width*Pitch)	mm (inch)	5*18*125 (5*0.8*5.0)
Spindle	Tool shank	-	BT40
	Speed	rpm	12000
	transmission	-	Direct drive
	Bearing lubrication	-	Grease
	Cooling system	-	Oil cooled
	Spindle motor max.rating	kw (HP)	11 (15)
	Axis motor max.rating(MITSUBISHI)	kw	
	Axis motor max.rating(FANUC)	kw	
Feed rates	Rapids on X/Y/Z axis	m/min	36/36/3
	Max. Cutting feedrate	m/min	16/16/16
Tool magazine	Tool storage capacity	pcs	24
	Type of tool (optional)	type	BT40
	Max.tool diameter	mm (inch)	85 (3.3) arm
	Max.tool weight	kg	7
Avg.changing Time (ARM)	Max. Tool length	mm (inch)	300 (11.8) arm
	Tool to tool	sec.	1.5
Accuracy	Air source required	kg/cm ²	6 up
	Positioning (VDI3341)	mm (inch)	0.01 (0.0004)
Dimension	Repeatability (VDI3341)	mm (inch)	0.005 (0.0002)
	Machine weight(net)	kg	4500
	Power source required	kva	15
	Shipping Floor plan(L*W*H) water tank and chip conveyor not included	mm (inch)	2100*2400*2800 (82.7*94.5*110.2)
	Floor plan (L*W*H)	mm (inch)	3470*2260*3200 (136.6*88.9*125.9)

Configuration List

Standard Accessories
Fanuc controller
Spindle speed 8000/10000/12000/20000 rpm(depend on machine model)
Automatic tool changer
Full splash guard
Heat exchanger for lectric cabinet
Automatic lubricating system
Spindle air blast system
Spindle oil cooler
Spindle air curtain
Spindle orientation
Coolant gun and air socket
LED light
Rigid tapping
Coolant system and tank
Cycle finish indicator and alarm lights

Note: Due to the continuous research and development of products and continuous technological innovation, the company has the right to change and the right to final interpretation, without prior notice.



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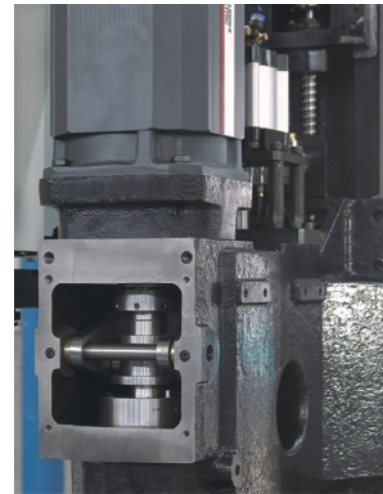
JN-V800 HIGH SPEED & HIGH PRECISION MACHINING CENTER

- Structural design with high rigidity and dynamic performance
- Short nose spindle, high precision and rigidity
- Air blowing in the center of the spindle and air curtain protection of the spindle
- High speed and high precision performance control system
- Fully enclosed protection (oil mist recoverer OP)

Introduction of Machine Tool

V800, a newly designed series of highly efficient vertical machining centers, has set a new milestone in the field of standard vertical machining centers. It demonstrates the value of its existence with its simplicity of operation, modern design, durable structure and unprecedented high performance and price.

The perfect combination of machine tool performance and stability is a new achievement created by Jiangnan CNC engineers on the basis of years of experience. It is a reliable production equipment with impeccable performance under the condition of high speed and high precision. This brand new product line will improve your processing ability and quality level.

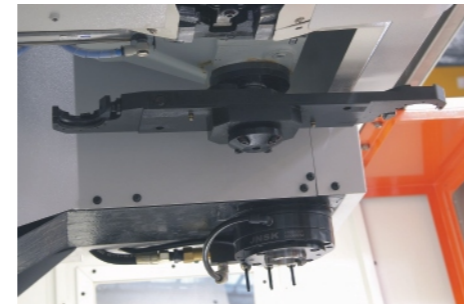


Direct Connection Drive Structure

The spindle box of spindle direct connection type adopts thermal symmetry to reduce the influence of thermal deformation of spindle on the dimensional accuracy of parts.

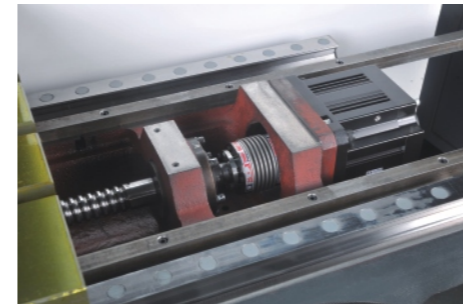
The design of the main shaft structure of the heat insulation source reduces the thermal displacement. Improve the accuracy and life of the spindle.

It is superior to the swaying cutter with the new structure of floating cutter, avoiding bearing bearing directly bearing cutter force and prolonging bearing life.

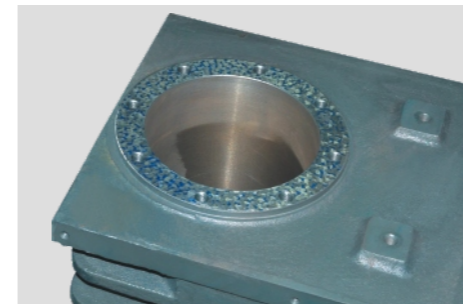


Because of the isolation between tool storehouse and processing area, the tool is well protected from chip contamination.

Standard matching is the most advanced simultaneous servo tool library, which greatly improves the efficiency of tool changing while ensuring the stability of tool changing.



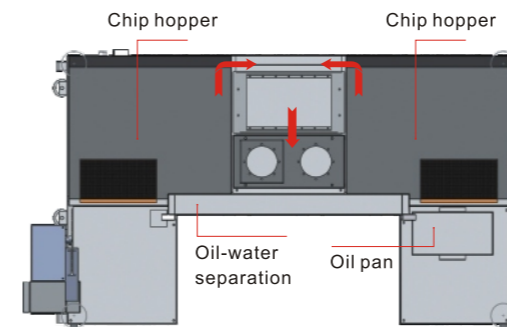
Three axes adopt one-in-one bearing seat, all kinds of loads acting on machine tools will eventually be transferred to the bed through various links, greatly improving the dynamic performance and transmission rigidity of the machine. Due to some reasons such as processing difficulties and processing accuracy, very few domestic have this innovative structural design.



Pursuing perfection and perfection, we have persistent persistence and pursuit of high-quality products and the quality spirit of pursuing excellence.

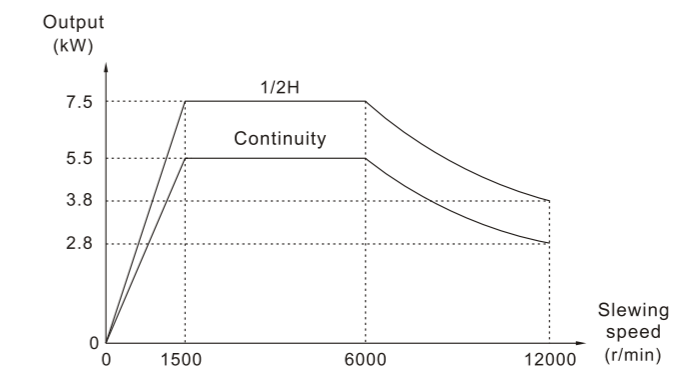


The air pressure system is centralized and hung outside the protection. It is easy to manage and maintain the position of the injector. It is convenient to add lubricating oil, far away from electrical components, ensuring safety and easy to use.

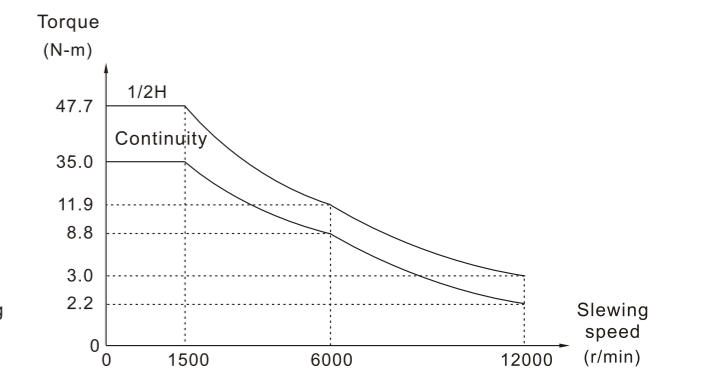


The labyrinth water tank design effectively avoids iron chips and oil pollution entering the pump. High-pressure pumps provide sufficient pressure for the chip fluid system to cool the heat generated by cutting tools and workpiece processing.

Output characteristics of spindle motor

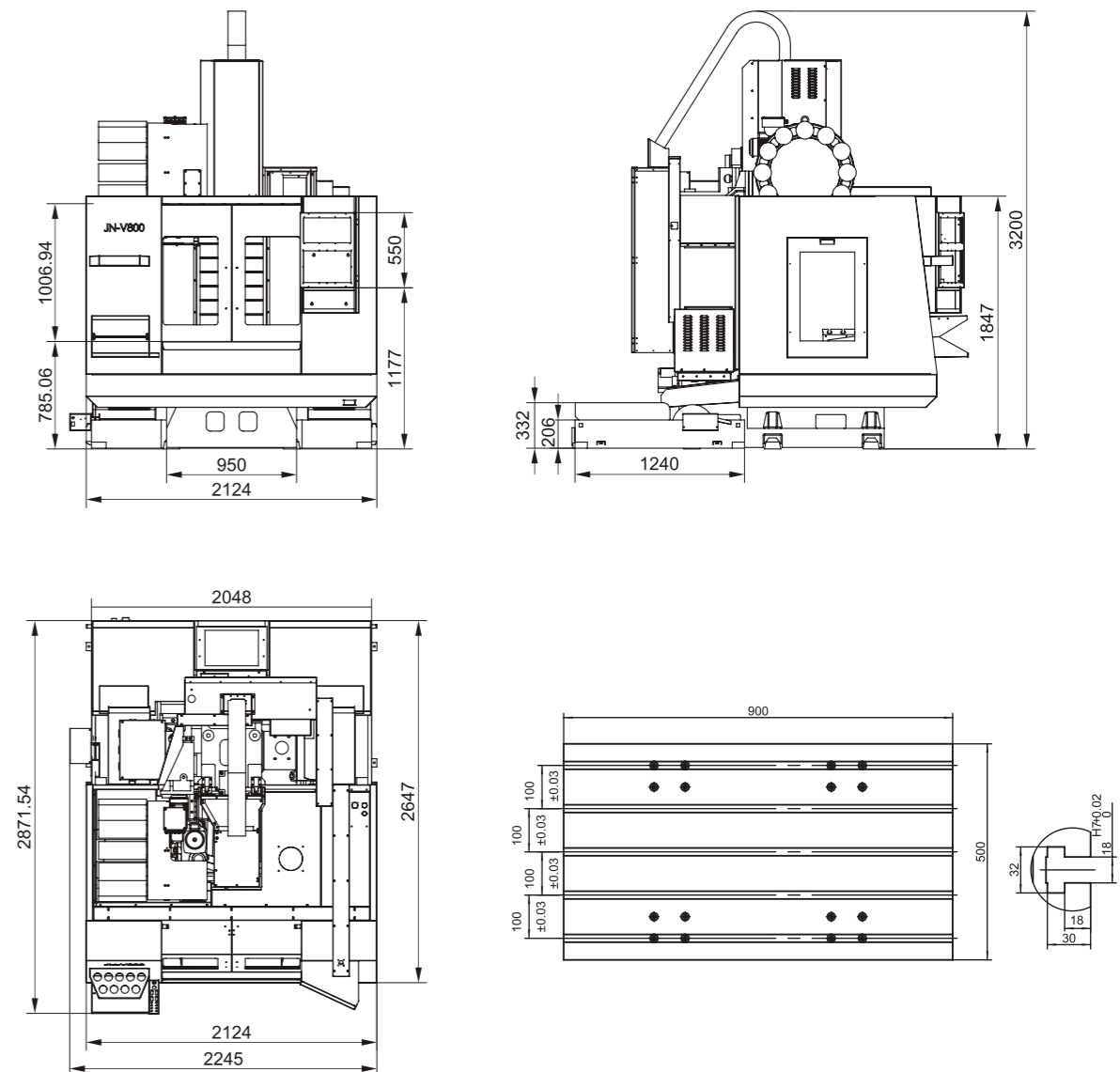


Output-rotation velocity characteristics at constant time



Torsion-rotation velocity characteristics at constant time

Machine Outward Size Diagram



High Performance Spindle

Blow air in the center of the spindle to keep the tool handle clean and improve the processing accuracy.

The air curtain protection of the spindle prevents dust particles from entering the spindle bearing and improves the service life of the spindle.

The nozzles integrated around the spindle avoid adjusting the single nozzle when processing complex shapes.



New Generation Control System

The control system is equipped with the highest performance high-speed precision control system, Mitsubishi M80 system, full touch panel, which improves the accuracy, production efficiency and process safety.

The number of control programs and the memory system of the control system are more than those of the previous models.

The control system is equipped with SD card to increase the memory element.

The control system has many kinds of error compensation. Achieve high precision processing.

