JN-CH108 CNC LATHE

Finishing, High Efficiency & High Rigidity

Technical Parameters

Item	Description	Unit	CH108
Processing capacity	Chuck size	″	8
	Maximum rotational diameter	mm	480
	Maximum processing diameter	mm	210
	Maximum processing length	mm	480
	Bar processing diameter	mm	52
Travel range	X axis	mm	180
	Z axis	mm	530
Spindle	Spindle number		1
	Speed	r/min	4000
	Minimum positioning angle	deg	0.001
	Spindle nose		A2-6
	Through-hole diameter	mm	63
	Bearing bore diameter	mm	100
Tool magazine	Tool Magazine type	–	–
	Tool number	pcs	12
	Height of rectangular tool handle	mm	25
	Boring rod shank diameter	mm	40
Tailstock	Tailstock movement	mm	435
	Tailstock mandrel diameter	mm	75
	Taper		MT.4
	Mandrel movement	mm	100
Feed speed	Fast feed speed	m/min	X:24/Z:24
Motor	Spindle motor	kw	11/7.5
	Feed axis motor	kw	X:1.2/Z:2.5
	Hydraulic pressure motor	kw	1.5
	Cutting fluid motor	kw	0.4
Total power	Electric power	kva	20
Oil tank capacity	Hydraulic set	L	40
	Lubrication	L	2
	Cutting fluid	L	200
Dimension	Height	mm	1709
	Floor plan	mm*mm	2219*1565
	Weight	kg	3.95

Standard Accessory

Item	Description	CH108
Hollow three-jaw hydraulic chuck		●
Hollow cylinder		●
Circular tool holder	3pcs*5	●
Rectangular tool holder	1pcs*5	●
Sleeve	For Boring:3pcs	●
Front door locker		●
Chuck foot switch		●
Spindle positioning	1 point.not fixed	●
Cutting fluid system	250W: 1pcs	●
Backing board		●
Lighting set inside		●
Adjustment tool set		●
Instruction book		●

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-CH108
CNC LATHE

- The whole software has complete functions, high-speed, high-precision processing, and network functions.
- Modular structure is widely used in the design of the system. The structure is easy to disassemble and assemble, and the control boards are highly integrated, which greatly improves the reliability, and is convenient for maintenance and replacement.
- There are better protection measures. FANUC adopts better protection circuit for its own system.

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System

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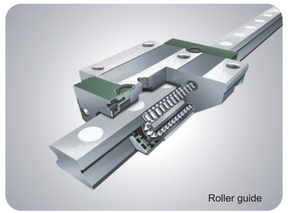
Spindle

1. Roundness tolerance of two supporting Journal A and B is 0.005mm, radial runout tolerance is 0.005mm, surface roughness Ra is 0.4mm, and dimension accuracy of supporting journal is IT5.

2. Strong dynamic and static stiffness. The maximum speed can reach 5000 revolutions.

3. The spindle is made of materials independently developed by Jiangnan for many years. Its surface hardness and fatigue strength are high. Moreover, the nitriding layer has the advantages of corrosion resistance and small heat treatment deformation.



Roller guide

Guide

1. Using the high rigidity roller as the rolling element and making the full length of the roller more than 1.5 times the diameter of the roller, the higher rigidity can be obtained.

2. 4 Direction equal load. In order to make the four directions of action (radial, anti-radial and lateral) of the LM slider have the same rated load, the rollers are designed to be arranged according to the contact angle of 45 degrees, and all directions have high rigidity.

3. The use of roller retainer can eliminate the friction between the rollers, and improve the oil retention capacity, so as to achieve long-term operation without maintenance.

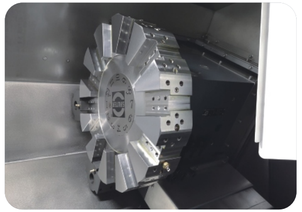
Thermal relay Contactor

Electric Appliance

1. Schneider's materials, whether PC materials or internal wiring posts, are the best.

2. High stability. It can adapt to the fluctuation of AC system voltage and has a certain ability to restrain the noise interference of power supply network.

3. High security. The system has reliable and effective interlocking, good insulation of electrical equipment, complete protection and solid grounding.



Knife Tower

1. 12 cutting tools can be stored to meet various processing requirements, greatly shorten processing time and reduce production costs.

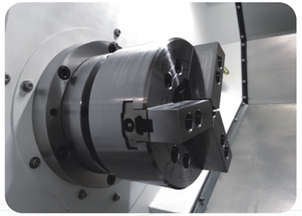
2. When changing the tool, it can stop at the position of changing tool accurately, and the repetitive positioning accuracy is ±1″ .

3. The speed of tool change is only 0.52 seconds.

Chip Removal Method

1. The design of integral inner protective cover is simple, practical and long life. The spattered iron chips and chips liquid directly follow the slope of the 30 degree protective cover and fall on the chips removal machine below.

2. The chip removal machine separates the chip liquid from the chip, and discharges the chip out of the machine to ensure that the iron chips in the machine will not accumulate, so as to improve the working efficiency.



Chuck

1. Hydraulic chuck adopts fully enclosed structure, all mating surfaces have dust-proof function, high clamping accuracy and long service life.

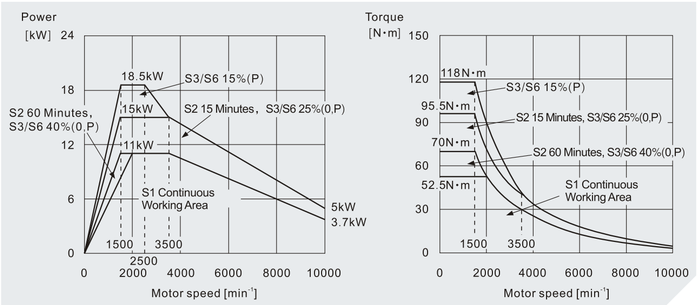
2. The clamping force is large and the clamping range is wide. Hydraulic chuck improves the disadvantage of traditional hydraulic chuck, such as small clamping force and unstable force. And the clamping force is stable and reliable.

Hydraulic Tailstock

1. Hydraulic tailstock can control the top of tailstock systematically, cooperate with hydraulic chuck to realize automatic loading and unloading, and improve clamping efficiency.

2. The special hydraulic station for machine tools can provide more stable clamping force. It has the advantages of high transmission energy, good control performance, fast response speed, unsuitable for oil leakage and low maintenance workload.

Motor Performance



Machine Outward Size Diagram