晨灿机械 CHENcan machine Survive by Quality Develop by Credit

Company Profile ▶

CHENcan (Shandong) production base

CHENcan Machinery is a national-level high-tech enterprise integrating R&D, production and sales. Founded in 1998, be one of the well-known manufacturers of five-axis linkage machining centers in China, and was selected in the 2017 and 2019 "Shandong Province's first (set) Technical Equipment and Key Core Components" production enterprise directory. CHENcan CNC complete the reorganization in Nov 2014 and officially listed in Qingdao Blue Ocean Stock Trading Center in Dec 2014 (Stock Name: Chencan Machinery, Stock Code: 800162).

CHENcan (Jiangsu) production base

H&H is committed to the research and development, production, sales and service of professional five-axis linkage intelligent processing equipment and intelligent automatic welding equipment. The smart equipment project has a total investment of RMB 150 million and covers an area of 35000 square meters.

■ Applications

Based on high-degrees manufacturing and research and development of three-axis & five-axis linkage machining centers, composite panel sawing machining centers, and FDM industrial-grade 3D printers. We has rich experience in the application of five-axis machine tools and has become a mature multi-axis machine manufacturer in China. All products be widely used in the high precision CNC machining needs of different fields such as rail transit, aviation, aerospace, automobiles, ships, yachts, medical care, wind power, molds, landscape sculptures and other mold mould making.

User Case ▶

中国兵器 中航工业 中国铝业 中核集团 JAC 江淮汽车 华晨专用车 metso
宇通集团 中国二重 长城汽车 hg 横店集团 JIER 济南二机床集团 国机集团 CETC 中国电科 SWIRE 太古集团
孜德集团 HYUNDAI 重庆川仪自动化 潍柴动力 山东钢铁 ats BYD 比亚迪
TZCO 太重集团 三石集团 LS GROUP Gurit CIMC 中集车辆 山东能源
金冠汽车 JINGUAN AUTO BRADKEN 程力集团 CLW GROUP 华通集团 新华昌重工集团 SUNHUNK
中国重汽集团济南专用车有限公司 China National Heavy Duty Truck Group JiNan Special Vehicle Company
机械科学研究总院集团有限公司 China Academy of Machinery Science and Technology Group Co.,Ltd

Customer Service ▶

- Engineers come to install and debug at customer's factory, provide professional operation and maintenance training.
- 24h*7d service response and rapid handling of equipment failures.
- Provide customers with lifelong free remote technical support and regular return visits to eliminate customers' worries.
- We will continue to improve and wholeheartedly provide you with a better after-sales service experience.

Manufacturing Capacity ▶


Nicholas five-sided milling gantry machining center


American HAAS ST40 horizontal CNC lathe


Japan NIIGATA horizontal machining center


Taiwan AWEA five-sided milling gantry machining center


Large customized shot blasting equipment


Large tempering and aging equipment

Testing Capacity ▶


American Leader three-dimensional coordinate detector


British Renishaw laser interferometer


British Renishaw precision turntable


British Renishaw ballbar


Swedish Easylaser laser calibrator


British Renishaw R TCP calibrator

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WeChat WhatsApp

Export Company: Shandong PEF Machine Tool Co.,Ltd
Add: Rm.2433-h3, Aosheng buildinig, No.1166 Xinluo street, Jinan area of China (Shandong) pilot free trade zone

Production Base: Shandong Chencan Machinery Incorporated Company
Add: West Ming Jia road, Qihe economy development zone, Dezhou city, Shandong province, China

Production Base: Chenhechen Intelligent Equipment (Jiangsu) Co., Ltd
Add: No.21 of Ningbo road, Shihong ecnomic development zone, Suqian city, Jiangsu province, China

WhatsApp: +86 187 5347 5557
Skype ID: chencancnc
WeChat ID: 18753475557
Facebook ID: chencancnc
Instagram ID: chencancnc
YouTube Keywords: chencan cnc
Website: www.chencancnc.com
Email: info@chencancnc.com

晨灿机械 CHENcan machine

Committed to offer a high degree of process reliability and individual solutions for customers in completely different sectors

Stock Code: 800162

Composite Materials Products, Exclusive Customization

▶ Fully Enclosed High-speed Five Axis Gantry Machining Center

FC SERIES High-end Customization

Fully Enclosed High-speed Five Axis Gantry Machining Center

Applicable Material:

Suitable for cutting and drilling carbon fiber, glass fiber, PMI, PET, EPS foam, aramid honeycomb, substitute wood, plastic and other composite material products.

Application Industry:

It is widely used in aerospace, wind power generation, rail transportation, new energy vehicles, medical equipment and other industries.

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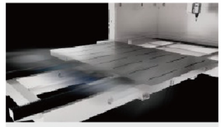
Equipment Advantages:

FULLY ENCLOSED STRUCTURE

It adopts a new sealed cabin design structure and is equipped with automatic opening and closing safety doors and a retractable roof. It effectively prevents processing chips and dust from splashing, ensures the safety and overall reliability of high-speed processing, and ensures a clean working environment.

LIGHTWEIGHT DESIGN

The carbon fiber Z-axis has high rigidity and lightweight characteristics, which can achieve faster cutting speed and shorter processing time, and improve production efficiency (optional).



AUTOMATIC WORK TABLE

With the dynamic expansion function of the work table, the work table can be translated along the Y direction outside the processing area through the drive module, allowing the machine tool to quickly connect with the automated production line, greatly improving the overall processing efficiency (optional).

DIVERSE WORK TABLE

A variety of work table are optional, and compressed air and vacuum pipeline interfaces are reserved in the processing area, which can perfectly connect the tooling fixtures and adsorption devices required for processing.

MORE OPERATING SPACE

It adopts transverse longitudinal beam gantry frame structure to provide more ample operating space. The working area operation is more flexible, which can realize rapid processing of a single workpiece and double-station cycle processing.

SELF-DEVELOPED DOUBLE SWING HEAD

The L-shaped high-precision AC double swing head can position the tool in any direction, achieve high-precision processing at any angle, and meet the efficient processing of small cavity structure workpieces. Spindle brand, power and form can be selected according to processing needs.

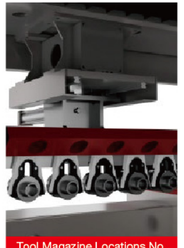
RTCP FUNCTION

The system is optionally equipped with RTCP function, which can realize CNC system functions such as high-speed and high-precision machining control, five-axis linkage control, multi-axis multi-channel control, dual-axis synchronous control and error compensation (optional).

FC Series Technical Parameter:

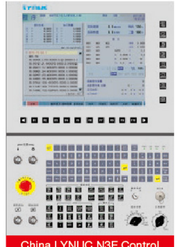
FC Series	Unit	20 Series			30 Series		
Model		3020	5020	6520	3030	5030	6530
X Stroke Size	mm	3000	5000	6500	3000	5000	6500
Y Stroke Size	mm	2000			3000		
Z Stroke Size	mm	1200					
X/Y Max Rapid Speed	m/min	50					
Z Max Rapid Speed	m/min	18					
A/C Stroke Size	°	±120 / ±360					
A/C Max Rapid Speed	°/min	3000					
Spindle Type		Water Cooling / HSK63F / 24000rpm					
Spindle Power	kw	15Kw (China HQD or Italy HITECO optional)					
Spindle Torque	n·m	11.9 / 17					
Cutting Speed	mm/min	1-20000					
Max Rapid Speed	m/min	X: 50 Y: 50 Z: 18					
Positioning Accuracy	mm/m	X: 0.05 Y: 0.04 Z: 0.02					
Repeatability Accuracy	mm/m	X: 0.025 Y: 0.02 Z: 0.015					
Control System		China HNC control system					
Tool Magazine Locations No.	PC	6 / 8 / 10					
Table Size	mm	3020×2020	5020×2020	6520×2020	3020×3020	5020×3020	6520×3020
Max Work Table Load	kg	3000	5000	6500	3600	7500	9750
Land Size	mm	6200×4750×4550	8200×4750×4550	9700×4750×4550	6200×5750×4550	8200×5750×4550	9700×5750×4550

※For more detailed parameters, please consult Chencan CNC

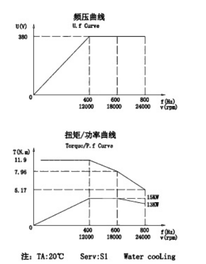


Tool Magazine Locations No. 6/8/10 as optional

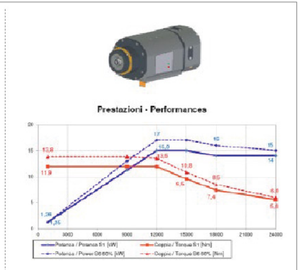
China HNC 848D Control System



China LYNUC N3E Control System



HQD 15Kw Spindle Power Graph



HITECO 15Kw Spindle Power Graph