Committed to creating a model of Chinese precision manufacturing



Work together to create a better future

JIAFU PRECISION CNC EQUIPMENT CO., LTD.

Address：No. 438, Jinxing Road, Liaobu Town, Dongguan City, Guangdong Province, China

Tel：+86 19896676046

Email：intl.sales@cnc-jiafu.com

Website：www.cnc-jiafu.com

Our company is continuously improving the mechanical design, specification parameters, and appearance of our products. Any changes will be made without prior notice. The final product shall be subject to the technical agreement.

Reserve the right to change the patent

PRECISION CNC EQUIPMENT

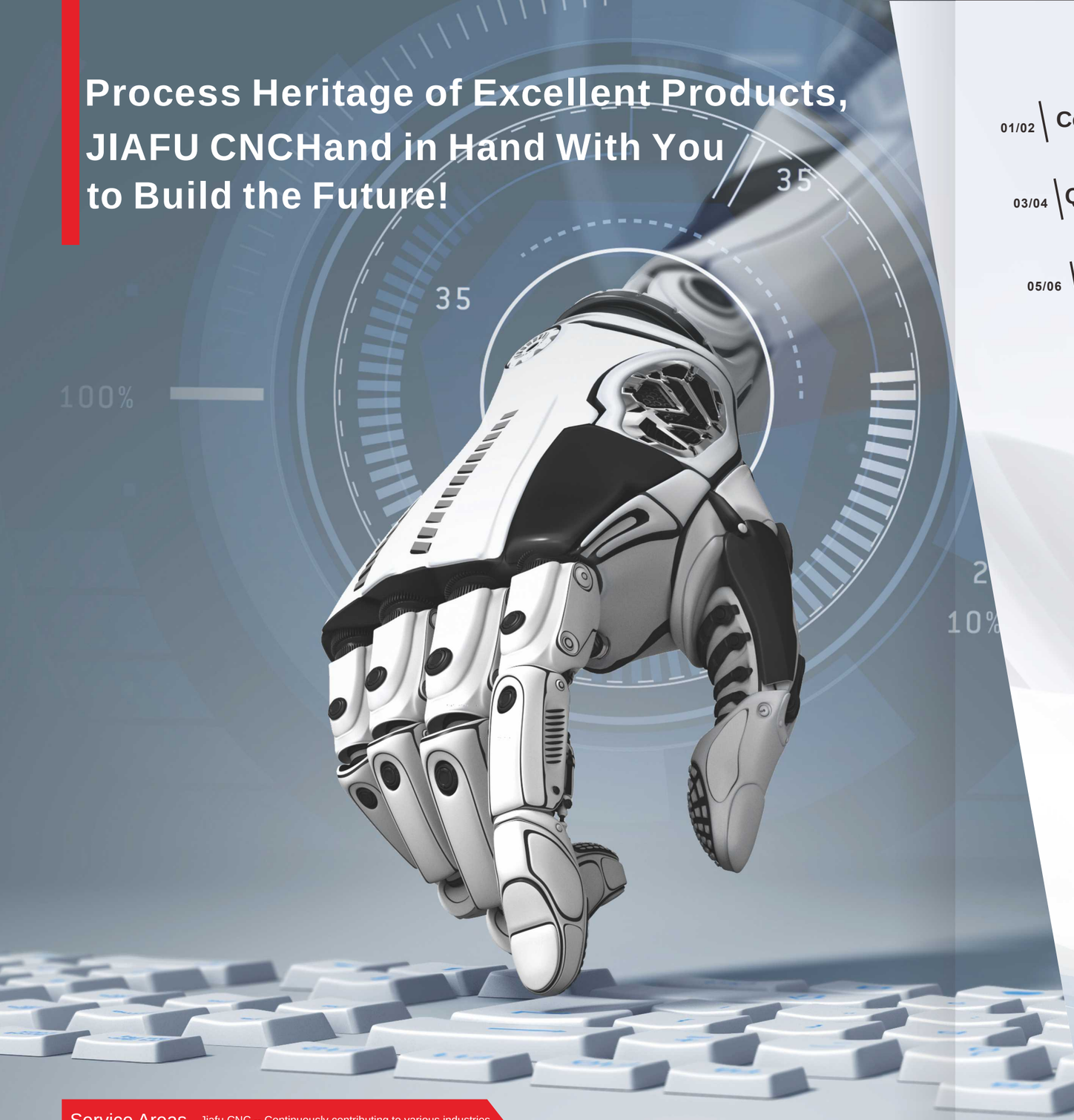
LEADER



Comprehensive Product Catalog

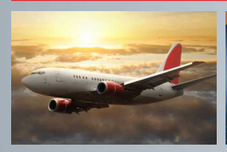
JIAFU PRECISION CNC EQUIPMENT CO., LTD.

Process Heritage of Excellent Products, JIAFU CNCHand in Hand With You to Build the Future!



Service Areas

Jiafu CNC -- Continuously contributing to various industries







JIAFU

01/02 Company Profiles

03/04 Quality Assurance

05/06 Machine Display

07/08 High-Speed Drilling Center

09/10 High-Speed Parts Machining Center

11/12 High-Speed Integrated Machining Center for Long Plate Parts

13/16 Heavy-Cutting Integrated Machining Center

17/18 Gantry High-Speed Machining Center

19/20 High-Speed Heavy Gantry Machining Center

21/22 High-Speed Gantry Machining Center

23/26 Heavy-Gantry Machining Center

27/28 Five-axis Machining Center

29/30 High-Speed Copper Machine / Engraving and Milling Machine Center

31/32 Horizontal Machining Center

33 High Quality Configuration

34 Intelligent Factory Management System

Directory Index

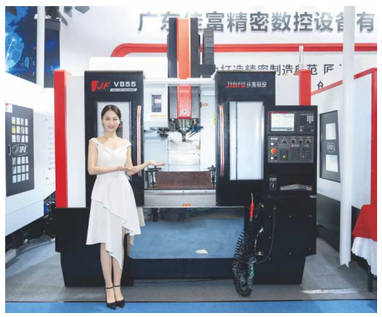


Precision & Accuracy Create JIAFU Brand

Show At A Glance

Professional, Focused, Focused









COMPANY PROFILE

ABOUT JIAFU

Jiafu Precision CNC Equipment Co., Ltd. is a high-tech enterprise specializing in the research and development, production, sales and technical services of CNC machine tools. The company's main products include vertical, horizontal, gantry machining centers, engraving and milling machines, etc.

Since its establishment, the company has been based on scientific and technological innovation, concentrating on key technologies such as product research and development, production, and assembly, constantly improving and improving product quality, and focusing on honest service. The company has brought together a group of outstanding talents who have been engaged in professional and technical fields for many years, forming a high-quality team with young and middle-aged scientific and technological elites as the core.

With strong technical strength, advanced processing and testing equipment and scientific management, the company ensures that every machine tool delivered to customers maintains high precision and high reliability. We sincerely welcome friends from all walks of life to visit us for guidance and sincere cooperation to create a better tomorrow for China's manufacturing industry!

Business Philosophy

Become a first-class enterprise and build a trustworthy brand.

Service Concept

Provide complete solutions and optimal equipment selection, and serve every user with heart.



WITH "INTEGRITY, QUALITY, SERVICE" AS THE CORE OF THE BRAND







www.cnc-jiafu.com



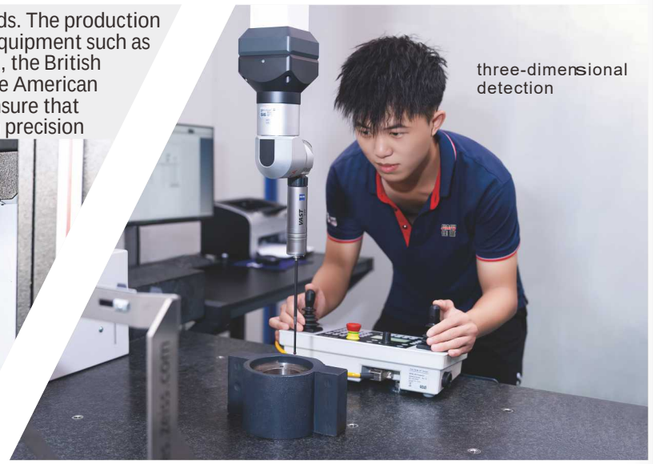
Quality Assurance

To provide customers with high-quality products and satisfactory services, we carry out high-standard control and inspection of factory products, formulate strict technical standard processes for each process, implement perfect quality demands in every link of production, and achieve product quality assurance and technological upgrades.

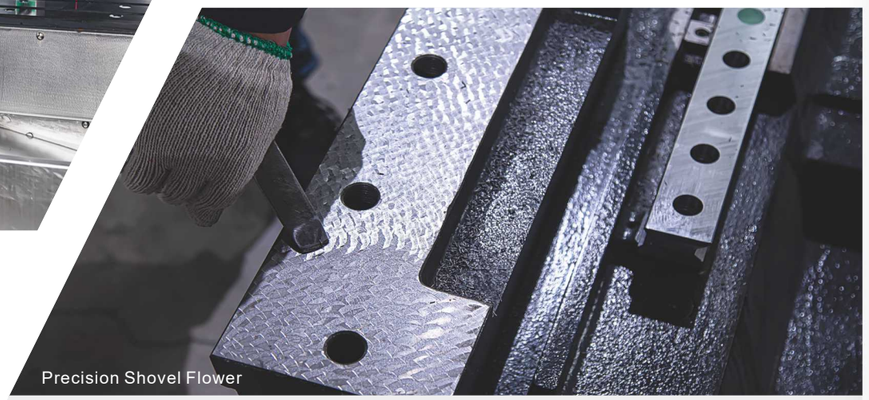
All of Jiafu CNC's testing equipment is of world-class brands. The production process of each machine tool is tested and calibrated by equipment such as the German Zeiss three-coordinate measuring instrument, the British Renishaw laser interferometer, the circular ballbar, and the American Beston spindle online dynamic balancing instrument to ensure that every machine tool delivered to customers maintains high precision and high reliability.



Laser Detection



three-dimensional detection



Precision Shovel Flower

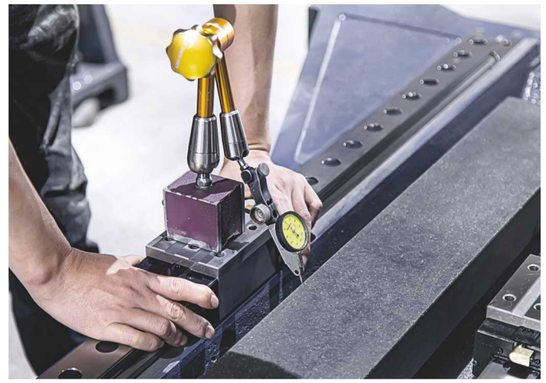
Precision scraping is a skill that is more difficult than wood carving. It is the starting point for the basic accuracy of precision equipment. Scraping eliminates our dependence on other machine tools and can also eliminate deviations caused by clamping force and heat energy.

Rigorous Factory Testing

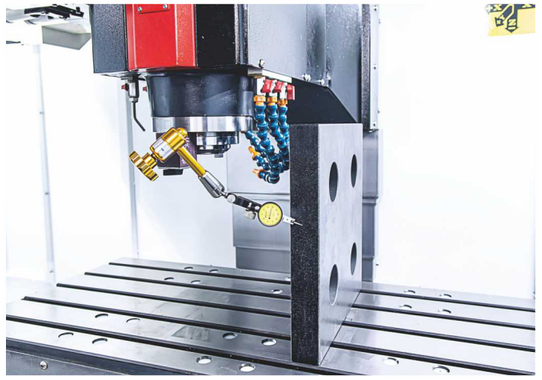
High standards for quality and precision are the goal of Jiafu CNC's unremitting efforts, and are also the unique qualities of every Jiafu CNC employee. We have always regarded product quality as the core of the company's participation in market competition. It is the strong product quality awareness of all Jiafu employees that makes Jiafu CNC an excellent manufacturing company that customizes precision special machines for customers.



Screw Parallelism Accuracy Detection



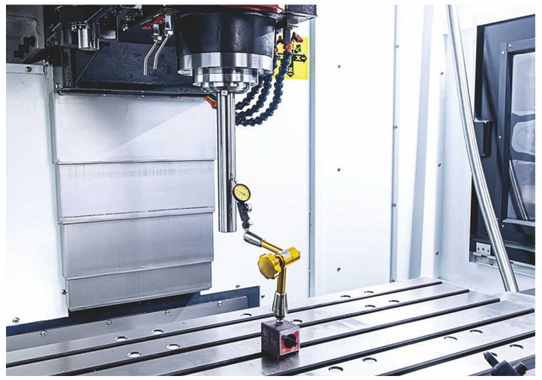
Precision Line Parallelism Accuracy Detection



Verticality Accuracy Detection



Spindle Dynamic Balance Test



Spindle Yaw Accuracy and Verticality Detection



Circular Detection

High-Speed Development and Intelligent Future



Behind each precision machine tools Have people wholeheartedly pay- JIAFU

We always put quality control at the top of corporate development
Go through rigorous work procedures every step of the way
After every rigorous testing process
Only every product of Jiafu CNC can appear on the customer's production line

We firmly believe
Only perfect quality can achieve customer success
Achieve yourself more

Accurate **Stable** **Innovation** **Efficient**

Quality Assurance | After-Sales Guarantee

Professional precision mold and parts processing equipment manufacturer
--Your needs are the driving force of our development

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HIGH-SPEED DRILLING CENTER

- A small high-speed drilling, milling and tapping machining center with comprehensive high-rigidity milling capabilities.
- The powerful BBT30 taper direct drive spindle has high rigid tapping efficiency and can reach a speed of 20,000 rpm.
- The 60m/min fast moving speed combined with high acceleration shortens the idling time of the machining cycle.
- The fully sealed one-piece sheet metal design, the entire set of outer covers is fixed in the base casting, and there is no problem of chip fluid leakage.
- The three axes use imported silent roller linear guides, which have the characteristics of high precision, high moving speed, and good precision retention.
- Through finite element analysis, the optimal structural design of the machine is ensured to provide overall high precision and high rigidity.



The best tool for mass productIon and processing of 4C parts

Industry Applications

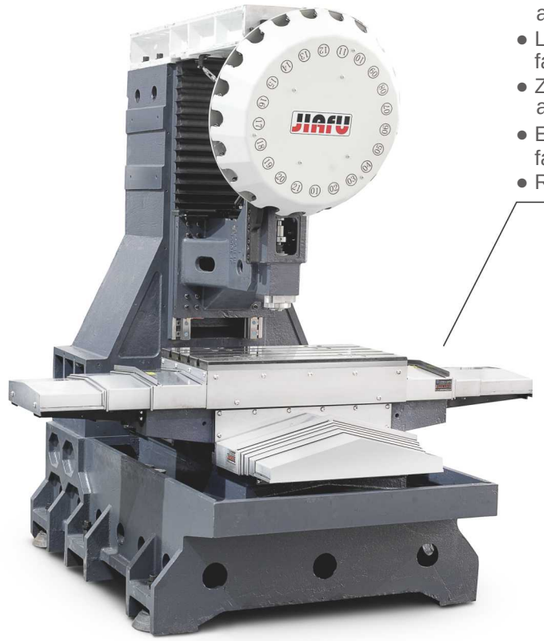


This series of products has a unique high-rigidity structural design, greatly improved cutting ability, and has the characteristics of high stability, high speed and high efficiency. It is widely used in parts and shell processing in the 3C industry, electronic shell processing, automation, aerospace, small automotive parts, medical equipment and other industries.

Rapid displacement combined with
high-speed tool change mechanism
Can better reflect the
Processing Efficiency



JF-T600 / T800
JF-T1000 / T1200



Perfect combination of efficiency and precision

- Heavy-duty body design, box-type column, good rigidity and high stability.
- Linear roller guide rails are used on the three axes, which are fast and accurate.
- Z-axis with brake, no counterweight design, high-speed up and down movement, no vibration, high accuracy.
- Equipped with umbrella-shaped tool magazine on the head, fast tool change and high efficiency.
- Rear chip removal structure design, more convenient slag cleaning.

"Pursue High Productivity"

Pursue endless productivity to achieve higher speed processing

The Perfect Combiation

Shorten the spindle start and stop time, adopt high-speed feed and acceleration, shorten non-processing time, high-speed ATC tool exchange mode, and adopt a new generation of control system.



Item	Unit	JF-T600	JF-T800	JF-T1000	JF-T1200
X/Y/Z Axis Travel	mm	600/420/330	800/420/330	1000/600/450	1200/600/450
Spindle Center to Table	mm	150-480	150-480	150-600	150-600
Spindle Center to Column Guide Surface	mm	465	465	669	669
Worktable Dimension (L*W)	mm	720x400	900x400	1200x600	1400x600
T-slot	mm	4-14-80	4-14-80	5-18-110	5-18-110
Allowable Load	kg	350	400	800	800
Spindle Taper	No.	BBT30	BBT30	BBT30	BBT30
Max. Spindle Speed	r/min	20000	20000	20000	20000
Max. Spindle Motor Power	kw	5.5	5.5	5.5	5.5
X/Y/Z Rapid Traverse	m/min	60/60/48	60/60/48	48/48/48	48/48/48
Max. Cutting Feedrate	mm/min	10000	10000	10000	10000
Tool Magazine		Clamp-arm Tool Magazine	Clamp-arm Tool Magazine	Clamp-arm Tool Magazine	Clamp-arm Tool Magazine
Tool Capacity	T	16/21	16/21	21	21
Positioning Accuracy (JIS Standard)	)mm	±0.005/300	±0.005/300	±0.005/300	±0.005/300
Repeatable Positioning Accuracy (JIS Standard)	mm	±0.003	±0.003	±0.003	±0.003
Machine Weight	kg	3800	4200	6300	6600
Dlmensions(L*W*H)	mm	1900/2400/2700	2250/2400/2700	2900/2900/3000	3300/2900/3000
Control System		Mitsubishi M80/FANUC Oi-MF PLUS			

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HIGH-SPEED PARTS MACHINING CENTER

- Unique structural design, combined with finite element analysis, super rigid structure, meet various high-speed and high-precision processing requirements.
- The whole machine cast iron adopts high-composite cast iron (HT300 material), and undergoes secondary annealing stress treatment to ensure the highest stability of the bed.
- The three axes adopt high-precision roller linear guide rails, and the direct high-speed spindle short nose design effectively improves the spindle cutting rigidity and reduces tool wear.



The best tool for mass production parts processing!

The best tool for mass productlon and processing of 4C parts

Industry Applications

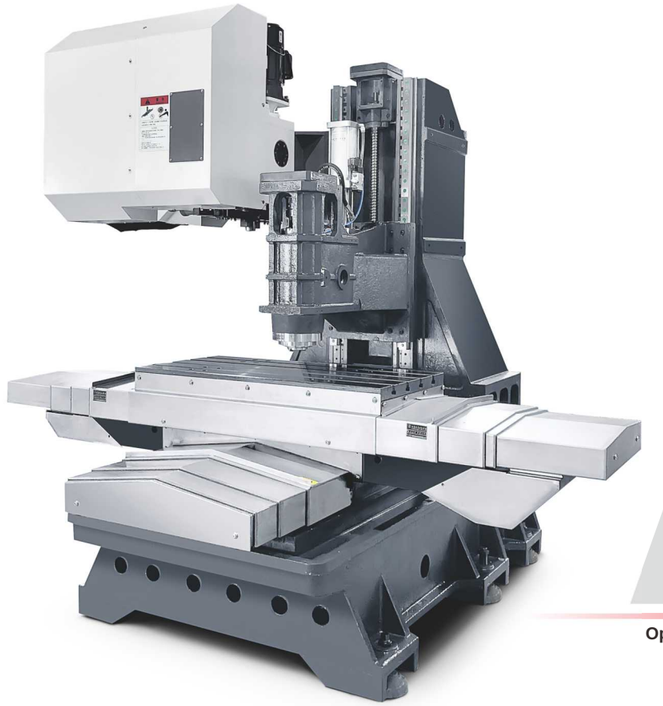


This series of products has the characteristics of high-speed and efficient processing, and is suitable for batch parts with complex shapes, multiple processes, and requiring a variety of tools and tooling to complete processing. It is widely used in product processing in the fields of electronics, machinery, automation, and medical treatment.

Advanced design concept and
High rigidity structure to achieve
High Speed
High Stability
High Precision

JF-V600 / V800 / V855
JF-V1000 / V1200 / V1380







HIGH SPEED, HIGH EFFICIENCY, HIGH PRECISION



Optional direct drive HSK 15000rpm
Optional built-in HSK 20000rpm



Annular water outlet for fast cooling
Strong chip flushing ability
More conducive to fine hole processing

Item	Unit	JF-V600	JF-V800	JF-V855	JF-V1000	JF-V1200	JF-V1380
X/Y/Z Axis Travel	mm	600/420/450	800/420/450	800/500/550	1000/600/600	1200/600/600	1300/800/700
Spindle Center to Table	mm	100-550	100-550	100-650	100-700	100-700	150-850
Spindle Center to Column Guide Surface	mm	465	465	560	669	669	730
Worktable Dimension (L*W)	mm	720x400	900x400	1000x500	1200x600	1400x600	1400x800
T-slot	mm	4-14-80	4-14-80	4-18-105	5-18-110	5-18-110	5-14-130
Allowable Load	kg	350	400	800	800	800	1200
Spindle Taper	No.	BBT40	BBT40	BBT40	BBT40	BBT40	BBT40
Max. Spindle Speed	r/min	12000	12000	12000	12000	12000	12000
Max.Spindle Motor Power	kw	5.5	5.5	11	11	11	11
X/Y/Z Rapid Traverse	m/min	60/60/48	60/60/48	48/48/36	48/48/48	48/48/48	30/30/30
Max. Cutting Feedrate	mm/min	10000	10000	10000	10000	10000	10000
Tool Magazine		Disc Tool Magazine	Disc Tool Magazine	Disc Tool Magazine	Disc Tool Magazine	Disc Tool Magazine	Disc Tool Magazine
Tool Capacity	T	20	24	24	24	24	24
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300	±0.005/300	±0.005/300	±0.005/300
Repeatable Positioning Accuracy	mm	±0.003	±0.003	±0.003	±0.003	±0.003	±0.003
Machine Weight	kg	4200	4500	6000	6500	6800	8300
Dlmensions(L*W*H)	mm	2100/2400/2700	2300/2500/2700	2500/2800/2800	2800/2800/2900	3300/2900/2900	4000/2900/2800
Control System		Mitsubishi M80/FANUC Oi-MF PLUS					

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HIGH-SPEED INTEGRATED MACHINING CENTER FOR LONG PLATE PARTS

- This series of machines is an automated composite machining center that integrates milling, drilling, tapping and chamfering.
- It is suitable for metal processing of various lengths of steel, copper, aluminum and other materials.



Aluminum profile processing preferred model

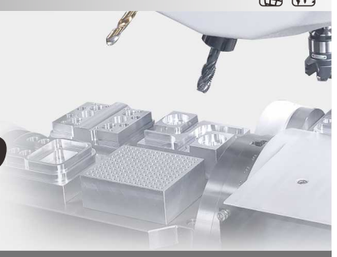
Industry Applications

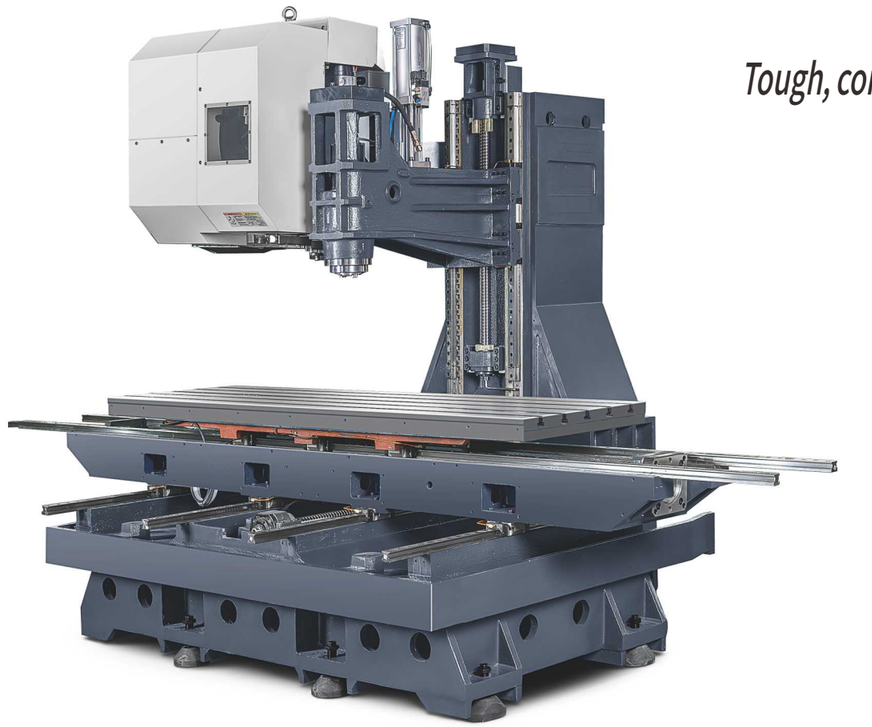


This series of products features high-speed and high-efficiency processing and is widely used in product processing in the fields of automation equipment, new energy auto parts, etc.

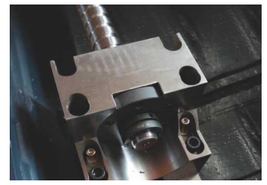
Integrates
Milling
Drilling
Tapping
Chamfering

JF-T1600 / T2000
JF-V1600 / V2000





Tough, compact body structure



Strong load, no deformation, more durable.
High-strength alloy steel wire rod support seat.



The X-axis adopts unique technology - ground-grade ball screw transmission, high precision and high speed.

Item	Unit	JF-T1600	JF-T2000	JF-V1600	JF-V2000	JF-V2500
X/Y/Z Axis Travel	mm	1600/600/450	2000/600/450	1600/600/600	2000/600/600	2500/700/710
Spindle Center to Table	mm	150-600	150-600	150-600	150-600	50-760
Spindle Center to Column Guide Surface	mm	669	669	669	669	465
Worktable Dimension (L*W)	mm	1700x600	2100x600	1700x600	2100x600	2600x700
T-slot	mm	5-18-110	5-18-110	5-18-110	5-18-110	5-18-135
Allowable Load	kg	600	600	600	600	900
Spindle Taper	No.	BBT30	BBT30	BBT40	BBT40	BT40
Max. Spindle Speed	r/min	20000	20000	12000	12000	12000
Max.Spindle Motor Power	kw	5.5	5.5	11(Mitsubishi)	11(Mitsubishi)	11
X/Y/Z Rapid Traverse	m/min	48/48/36	48/48/36	48/48/36	48/48/36	30/30/48
Max. Cutting Feedrate	mm/min	10000	10000	10000	10000	10000
Tool Magazine		Arm Type	Arm Type	Disc Type	Disc Type	Disc Type
Tool Capacity	T	21	21	24	24	24
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300	±0.005/300	±0.005/300
Repeatable Positioning Accuracy	mm	±0.003	±0.003	±0.003	±0.003	±0.003
Machine Weight	kg	7000	7500	7300	7800	8500
Dlmensions(L*W*H)	mm	3900/3000/2700	4900/3000/2700	3900/3000/2700	4900/3000/2700	6500/3000/2700
Control System		Mitsubishi M80/FANUC Oi-MF PLUS				

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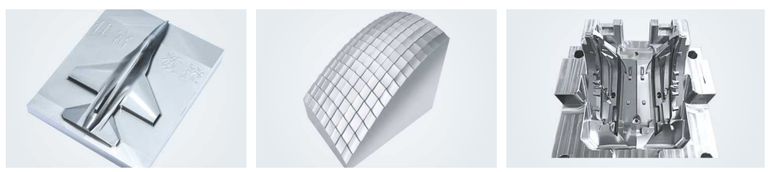
HEAVY-CUTTING INTEGRATED MACHINING CENTER

- Unique structural design, ultra-wide base, multi-layer cross-rib structure of the column, and enhanced spindle box design, derived from years of experience data accumulation and rational structural analysis, greatly improve the heavy cutting capacity of the whole machine, while also having the stability of high-speed motion process.
- The whole machine cast iron adopts high-composite cast iron (HT300 material), and is subjected to secondary annealing stress treatment to ensure the highest stability of the bed.
- The three axes adopt high-precision roller linear guide rails, and the large-diameter direct high-speed spindle short nose design effectively improves the spindle cutting rigidity and reduces tool wear.



The best tool for precision mold / part product processing!

Industry Applications



The unique high-rigidity structural design of this series of products has a cutting capacity that is 30-50% more efficient than traditional equivalent models, and has greater advantages in precision and finish in precision parts and mold processing. It is widely used in the processing of various molds with complex shapes and high precision requirements, mold bases, hardware, auto parts, aerospace, medical equipment and other fields.

Highest Rigidity Guaranteed

Max. Processing Performance!



JF-M855 / M866 / M1166



A variety of configuration options are available

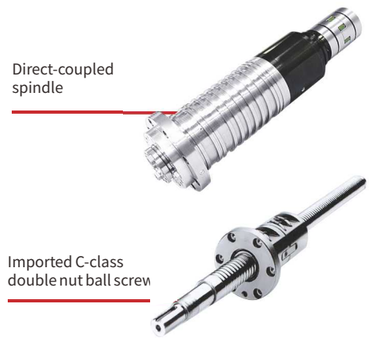
Optional for mold base and other processing industries:

BT50-Φ150 belt-type 8000rpm spindle, heavy cutting capacity can be further improved.

Optional for high-precision mold industry:

Direct 15000/18000rpm spindle, with high-speed and high-precision mold package function, to achieve high surface finish requirements.

The endless pursuit of non-stop production efficiency to achieve higher-speed machining



Item	Unit	JF-M855	JF-M866	JF-M1166
X/Y/Z Axis Travel	mm	800/500/550	850/600/600	1100/600/600
Spindle Center to Table	mm	100-650	100-700	100-700
Spindle Center to Column Guide Surface	mm	560	650	650
Worktable Dimension (L*W)	mm	1000x500	1000x550	1200x550
T-slot	mm	4-18-105	5-18-100	5-18-100
Allowable Load	kg	800	800	1000
Spindle Taper	No.	BBT40	BBT40-Φ150	BBT40-Φ150
Max. Spindle Speed	r/min	12000	12000	12000
Max.Spindle Motor Power	kw	11	Mitsubishi: 11 / FANUC: 15	Mitsubishi: 11 / FANUC: 15
X/Y/Z Rapid Traverse	m/min	30/30/30	36/36/36	36/36/36
Max. Cutting Feedrate	mm/min	10000	10000	10000
Tool Magazine		Disc Tool Magazine	Disc Tool Magazine	Disc Tool Magazine
Tool Capacity	T	24	24	24
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300
Repeatable Positioning Accuracy	mm	±0.003	±0.003	±0.003
Machine Weight	kg	6000	6800	7200
Dlmensions(L*W*H)	mm	2500/2800/2800	2400/2800/2900	2860/2850/2900
Control System		Mitsubishi M80 / FANUC Oi-MF PLUS / Siemens 828D		

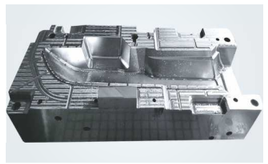
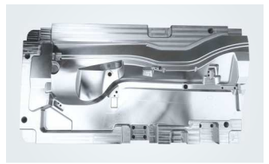
HEAVY-CUTTING INTEGRATED MACHINING CENTER

- Unique structural design, ultra-wide base, multi-layer cross-rib structure of the column, and enhanced spindle box design, derived from years of experience data accumulation and rational structural analysis, greatly improve the heavy cutting capacity of the whole machine, while also having the stability of high-speed motion process.
- The whole machine cast iron adopts high-composite cast iron (HT300 material), and is subjected to secondary annealing stress treatment to ensure the highest stability of the bed.
- The three axes adopt high-precision roller linear guide rails, and the large-diameter direct high-speed spindle short nose design effectively improves the spindle cutting rigidity and reduces tool wear.



The best tool for precision molds, mold blanks, and parts processing!

Industry Applications


The unique high-rigidity structural design of this series of products has a cutting capacity that is 30-50% more efficient than traditional equivalent models, and has greater advantages in precision and finish in precision parts and mold processing. It is widely used in the processing of products in various fields such as molds with complex shapes and high precision requirements, mold bases, hardware, auto parts, aerospace, medical equipment, etc.

Advanced design concept and
High rigidity structure to achieve

High Speed
High Stability
High Precision



JF-M1270 / M1480 / M1688



A variety of configuration options are available

Optional for precision parts and precision mold processing industries:
BBT40-Middle 150 direct 12000/15000rpm spindle, achieving high-speed and high-precision processing.



Large cutting capacity, high-speed cutting, efficient production

Top-notch "High-rigidity Structural Design"

High speed, stable performance, and extraordinary efficiency

- The bed structure is strong and can withstand the inertia generated by high-speed movement.
- Imported three-axis shields protect the screw and linear rails to increase the service life of the machine tool.
- The X/Y/Z three-axis adopts high-speed silent screws and silent linear rails to reduce thermal displacement and high precision.

Item	Unit	JF-M1270	JF-M1480	JF-M1688
X/Y/Z Axis Travel	mm	1200/700/700	1400/800/700	1600/800/700
Spindle Center to Table	mm	100-800	100-800	100-800
Spindle Center to Column Guide Surface	mm	780	880	880
Worktable Dimension (L*W)	mm	1400x700	1600x800	1800x800
T-slot	mm	5-22-125	5-22-125	5-22-125
Allowable Load	kg	1200	1500	1800
Spindle Taper	No.	BT50-Φ190	BT50-Φ190	BT50-Φ190
Max. Spindle Speed	r/min	6000	6000	6000
Max.Spindle Motor Power	kw	18.5	18.5	18.5
X/Y/Z Rapid Traverse	m/min	Mitsubishi 30/30/30 ; FANUC 20/20/20		
Max. Cutting Feedrate	mm/min	10000	10000	10000
Tool Magazine		Disc Tool Magazine	Disc Tool Magazine	Disc Tool Magazine
Tool Capacity	T	24	24	24
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300
Repeatable Positioning Accuracy	mm	±0.003	±0.003	±0.003
Machine Weight	kg	12500	14500	15500
Dlmensions(L*W*H) (including chip conveyor)	mm	4500/2900/3200	4800/2950/3200	5300/2950/3200
Control System		Mitsubishi M80 / FANUC Oi-MF PLUS / Siemens 828D		

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GANTRY HIGH-SPEED MACHINING CENTER

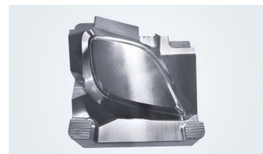
- The machine adopts a high-rigidity fixed-beam gantry structure and is equipped with a HSKA63 20,000rpm electric spindle, which perfectly combines high speed and high rigidity. It is particularly suitable for high-speed and high-precision machining of small and medium-sized molds and other related industrial parts.
- Gantry structure, overweight body design, good machine stability.
- The integrated design of the column and beam has small deformation and is more stable.
- The three axes use precision linear guides with fast displacement speed and high precision.
- Use a high-speed spindle with high speed and good precision.
- The fully enclosed cover reduces the pollution of oil mist generated by high-speed machining to the environment.



Small and medium-sized mold processing best weapon!

Industry Applications

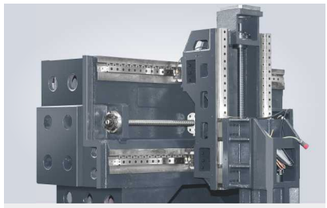




Gantry structure, the combination of rigidity and speed, can achieve
High Precision
High Finish



JF-G800 / G12 / G16 / G20

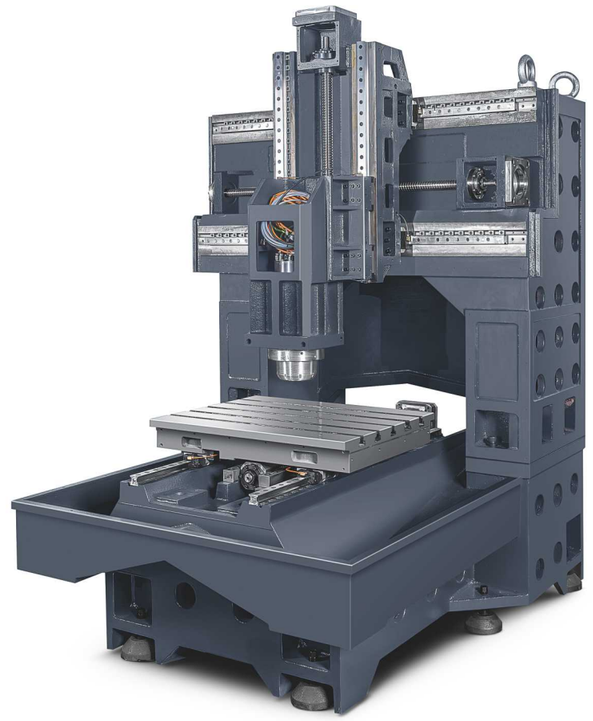


Integrated design of column and beam

Optional Configuration







Item	Unit	JF-G800	JF-G12	JF-G16	JF-G20
X/Y/Z Axis Travel	mm	760/600/450	1200/1000/500	1600/1400/700	2000/1400/700
Door Width	mm	900	1400	1400	1400
Spindle Nose to Table	mm	100-550	150-650	200-900	200-900
Worktable Dimension (L*W)	mm	800x600	1200x1000	1600x1200	2000x1200
Allowable Load	kg	1000	1500	3500	4500
Spindel Tape		Φ150HSKA63 Electric Spindle	Φ150 BBT50 / HSKA63 Direct Φ190 HSKA63 Electric	Optional Φ150 BBT40/BBT50/HSKA63 Direct Φ190 HSKA63 Electric Spindle/BBT50 Belt	
Max. Spindle Speed	r/min	20000	12000/15000/18000	12000/15000/18000/6000	
Max.Spindle Motor Power	kw	20	Direct connection: 15; Electric Spindle: 20 (FANUC)/30 (Mitsubishi, Siemens)		
X/Y/Z Rapid Traverse	m/min	30/30/30	30/30/30	24/24/24	24/24/24
Max. Cutting Feedrate	mm/min	10000	10000	10000	10000
Tool Capacity	T	D-type Tool Magazine 12/16	Disc Tool Magazine / 24	Disc Tool Magazine / 24	Disc Tool Magazine / 24
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300	±0.005/300
Repeatable Positioning Accuracy	mm	±0.003	±0.003	±0.003	±0.003
Machine Weight	kg	8500	15000	22000	23500
Dlmensions(L*W*H)	mm	2400/2600/2600	3100/3500/3300	4900/3900/3800	5900/3900/3800
Control System		FANUC Oi-MF PLUS / Siemens 828D			

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HIGH-SPEED HEAVY GANTRY MACHINING CENTER

- The integrated crossbeam and column structure greatly improves the cutting rigidity and precision retention of the whole machine.
- The three-axis heavy-duty roller linear rail, the Z-axis 4 guide rails, and the crossbeam adopt an inverted L-shaped step design, which effectively enhances the overall dynamic rigidity of the head.
- It is suitable for high-precision processing in the fields of large automobiles, new energy accessories, mold bases, etc.



Industry Applications


Aircraft Wing Ribs


Bumper Molds

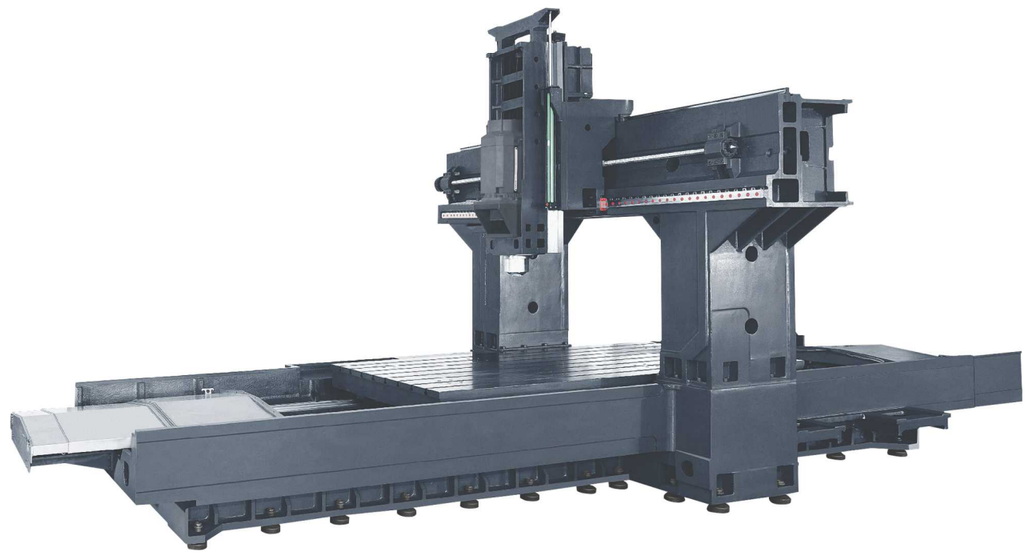

Aluminum Oxide Frames

High Rigidity / Heavy Cutting

Heavy-duty high-efficiency high-precision gantry, strict quality, surpassing the competitive standards of peers.

JF-LM2018
JF-LM2518
JF-LM3018





Item	Unit	JF-LM2018	JF-LM2518	JF-LM3018
Worktable Dimension (L*W)	mm	2200x1600	2500x1600	3000x1600
Allowable Load	kg	8000	10000	12000
X/Y/Z Axis Travel	mm	2000/1800/800	2500/1800/800	3000/1800/800
Door Width	mm	1800	1800	1800
Spindle Nose to Table	mm	200-1000	200-1000	200-1000
Spindel Tape		Optional BT50Φ190 Belt/Direct Drive/Gearbox BBT40Φ150 Direct Drive/HSKA63 Electric Spindle		
Max. Spindle Speed	rpm	6000/12000/20000		
Max.Spindle Motor Power	kw	BT50: 18.5 BBT40: 15		
Feed		Three-axis Ball Linear Guide, Z-axis 4 Guides		
X/Y/Z Rapid Traverse	m/min	16/16/16	16/16/16	16/16/16
Max. Cutting Feedrate	mm/min	10000	10000	10000
Tool Capacity	T	24	24	24
Positioning Accuracy	mm	0.02/1000	0.02/1000	0.02/1000
Repeatable Positioning Accuracy	mm	0.015	0.015	0.015
Machine Weight	kg	29000	31000	33000
Dlmensions(L*W*H)	mm	6300/4700/4000	6900/4700/4000	7700/4700/4000
Control System		Mitsubishi M80 / FANUC Oi-MF PLUS / Siemens 828D		

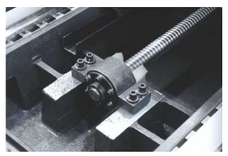
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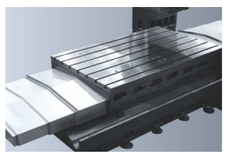
HIGH-SPEED GANTRY MACHINING CENTER

- Standard X/Y/Z three-axis heavy-duty roller linear rails and BBT40 12000RPM direct spindles can achieve high-speed, high-precision, and high-gloss processing.
- High-rigidity gantry fixed beam structure comprehensively improves the weaknesses of large vertical machining with large precision deviation and heavy-load deformation.
- Part-type high-speed gantry is suitable for high-speed and high-efficiency processing requirements in the fields of new energy, aviation parts, and automation equipment accessories.
- Mold-type high-speed gantry is suitable for high-speed and high-precision processing requirements of various precision molds.



Optimal rigid structure configuration



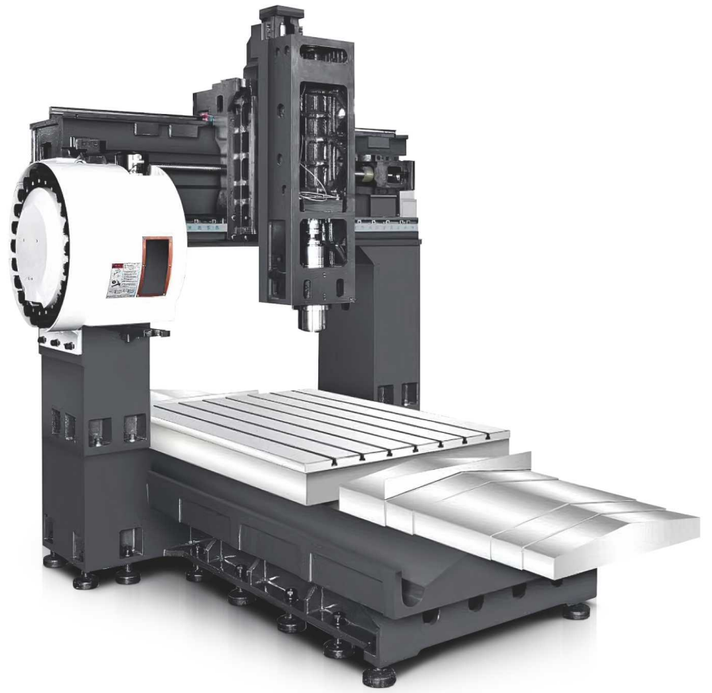



Create brand characteristics, drive the development of the enterprise with integrity and meet the needs of users: this is our eternal pursuit!



JF-LM1311F / 1614F / 2016F

JF-LM2518F / 3018F / 3020F





Automatic Tool Changing Magazine



High Speed Electric Spindle

The door-type high-speed machine body structure is a perfect match of high speed and stability

Item	Unit	JF-LM1311F	JF-LM1614F	JF-LM2016F	JF-LM2518F	JF-LM3018F	JF-LM3020F
Worktable Dimension (L*W)	mm	1400×1000	1700×1200	2200×1400	2600×1600	3100×1600	3100×1700
Allowable Load	kg	2500	3500	4000	4000	4000	6000
X/Y/Z Axis Travel	mm	1350/1200/600	1650/1400/700	2100/1650/700	2600/1800/700	3200/1800/700	3000/2020/900
Door Width	mm	1220	1420	1650	1850	1850	2020
Spindle Nose to Table	mm	120-720	150-850	150-850	150-850	150-850	200-1100
Spindel Tape	No.	BBT40	BBT40	BBT40	BBT40/BT50	BBT40/BT50	BBT40/BT50
Max. Spindle Speed	r/min	12000	12000	12000	12000/6000	12000/6000	12000/6000
Max.Spindle Motor Power	kw	15	15	15	15/18.5	15/18.5	15/18.5
X/Y/Z Rapid Traverse	m/min	24/24/24	24/24/24	24/24/24	24/24/24	24/24/24	24/24/24
Max. Cutting Feedrate	mm/min	8000	8000	8000	8000	8000	8000
Tool Capacity	T	24	24	24	24	24	24
Positioning Accuracy	mm	0.02/1000	0.02/1000	0.02/1000	0.02/1000	0.02/1000	0.02/1000
Repeatable Positioning Accuracy	mm	0.015	0.015	0.015	0.015	0.015	0.015
Machine Weight	T	10	15	18.5	23	25	30
Dlmensions(L*W*H)	mm	4100×4100×3000	4900/3900/3700	5900/4100/3700	7000/4900/3700	8100/4900/3700	8200/4900/4200
Control System		Mitsubishi M80 / FANUC Oi-MF PLUS					

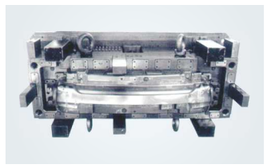
HEAVY-GANTRY MACHINING CENTER

- Standard X and Y axis heavy-duty roller linear rails, Z axis uses rectangular slide rails, high precision, strong anti-vibration ability.
- Z axis uses hydraulic nitrogen balance to ensure stability when moving up and down.
- Optional gear reducer and gear spindle housing to achieve high-intensity cutting.



High-precision performance mechanism to achieve the best feed thrust and cutting rigidity of the whole machine

Industry Applications





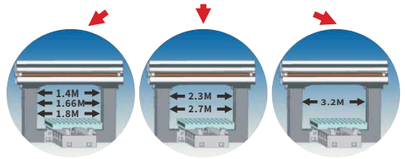
The high-rigidity structural design combines the high-precision indicators of a five-sided machining center, creating all-round high-performance cutting with a solid structure and excellent geometric accuracy.

Low Noise / Low Friction

Heavy-duty high-efficiency

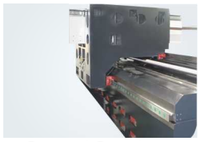
JF-LM2015 / 2515 / 2018 / 2518 / 3018
JF-LM2720 / 3220 / 4220 / 3023 / 4023
JF-LM5023 / 3027 / 4027 / 5027 / 4032
JF-LM5032 / 6032 / 4038 / 5038 / 6038 / 8038

Optional door width



Various Door Width / Various Travel Choice,
Can Satisfy Different Machining Requirement


Roller Guide Rails


Stepped Crossbeam


Optional Gearbox


Optional Direct-drive Spindle


Optional Side Spindle


Optional Five-axis Head

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HEAVY-GANTRY MACHINING CENTER

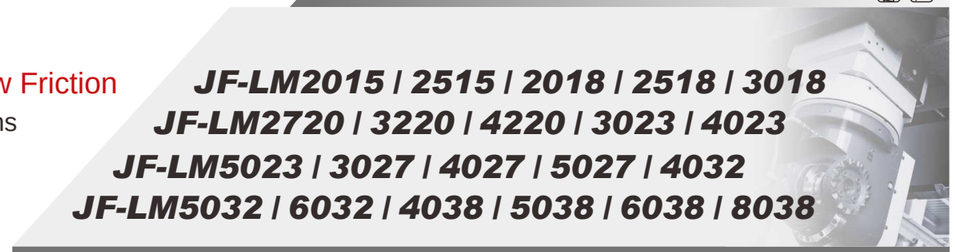
Model Technical Specifications

Item	Unit	JF-LM2015	JF-LM2515	JF-LM2018	JF-LM2518	JF-LM3018
Worktable Dimension (L*W)	mm	2100x1200	2500x1200	2200x1600	2700x1600	3200x1600
Allowable Load	kg	3500	4500	5000	5000	6000
X/Y/Z Axis Travel	mm	2000/1500/800	2500/1500/800	2000/1900/800	2700/2000/800	3200/2000/800
Door Width	mm	1500	1500	1900	1800	1800
Spindle Nose to Table	mm	150-950	160-960	200-1000	250-1050	250-1050
Spindel Tape	No.	BT50	BT50	BT50	BT50	BT50
Max. Spindle Speed	r/min	6000	6000	6000	6000	6000
Max.Spindle Motor Power	kw	18.5	18.5	18.5	18.5	18.5
X/Y/Z Rapid Traverse	m/min	20/20/16	20/20/16	16/16/16	16/16/16	16/16/16
Max. Cutting Feedrate	mm/min	8000	8000	8000	8000	8000
Tool Capacity	T	24	24	24	24	24
Positioning Accuracy	mm	0.02/1000	0.02/1000	0.02/1000	0.02/1000	0.02/1000
Repeatable Positioning Accuracy	mm	0.015	0.015	0.015	0.015	0.015
Machine Weight	T	17	19	21	23	26
Control System		Mitsubishi M80 / FANUC Oi-MF PLUS				

Item	Unit	JF-LM2720	JF-LM3220	JF-LM4220	JF-LM3023	JF-LM4023
Worktable Dimension (L*W)	mm	2500x1800	3000x1800	4000x1800	3000x2000	4000x2000
Allowable Load	kg	5000	6000	6000	10000	12000
X/Y/Z Axis Travel	mm	2700/2000/1000	3200/2000/1000	4200/2000/1000	3000/2200/1000	4000/2200/1000
Door Width	mm	2000	2000	2000	2300	2300
Spindle Nose to Table	mm	180-1180	180-1180	180-1180	280-1280	280-1280
Spindel Tape	No.	BT50	BT50	BT50	BT50	BT50
Max. Spindle Speed	r/min	6000	6000	6000	6000	6000
Max.Spindle Motor Power	kw	18.5	18.5	18.5	22	22
X/Y/Z Rapid Traverse	m/min	16/16/16	16/16/16	16/16/16	16/16/16	16/16/16
Max. Cutting Feedrate	mm/min	8000	8000	8000	8000	8000
Tool Capacity	T	24	24	24	24	24
Positioning Accuracy	mm	0.02/1000	0.02/1000	0.02/1000	0.02/1000	0.02/1000
Repeatable Positioning Accuracy	mm	0.015	0.015	0.015	0.015	0.015
Machine Weight	T	25	27	34	39	43
Control System		Mitsubishi M80 / FANUC Oi-MF PLUS				

Low Noise / Low Friction

Various door widths
Can meet various
processing needs



JF-LM2015 / 2515 / 2018 / 2518 / 3018
JF-LM2720 / 3220 / 4220 / 3023 / 4023
JF-LM5023 / 3027 / 4027 / 5027 / 4032
JF-LM5032 / 6032 / 4038 / 5038 / 6038 / 8038

Item	Unit	JF-LM5023	JF-LM3027	JF-LM4027	JF-LM5027	JF-LM4032
Worktable Dimension (L*W)	mm	5000x2000	3000x2300	4000x2300	5000x2300	4000x3000
Allowable Load	kg	14000	10000	12000	15000	12000
X/Y/Z Axis Travel	mm	5000/2200/1000	3000/2700/1000	4000/2700/1000	5000/2700/1000	4000/3200/1250
Door Width	mm	2300	2700	2700	2700	3200
Spindle Nose to Table	mm	280-1280	280-1280	280-1280	280-1280	250-1500
Spindel Tape	No.	BT50	BT50	BT50	BT50	BT50
Max. Spindle Speed	r/min	6000	6000	6000	6000	6000
Max.Spindle Motor Power	kw	22	22	22	22	22/26
X/Y/Z Rapid Traverse	m/min	16/16/16	16/16/16	16/16/16	12/12/16	16/16/16
Max. Cutting Feedrate	mm/min	8000	8000	8000	8000	8000
Tool Capacity	T	24	24	24	24	24
Positioning Accuracy	mm	0.02/1000	0.02/1000	0.02/1000	0.02/1000	0.02/1000
Repeatable Positioning Accuracy	mm	0.015	0.015	0.015	0.015	0.015
Machine Weight	T	48	40	48	53	53
Control System		Mitsubishi M80 / FANUC Oi-MF PLUS				

Item	Unit	JF-LM5032	JF-LM6032	JF-LM4038	JF-LM5038	JF-LM6038	JF-LM8038
Worktable Dimension (L*W)	mm	5000x3000	6000x3000	4000x3000	5000x3000	6000x3000	8000x3000
Allowable Load	kg	15000	18000	14000	17000	20000	24000
X/Y/Z Axis Travel	mm	5000/3200/1250	6000/3200/1250	4000/3800/1250	5000/3800/1250	6000/3800/1250	8000/3800/1250
Door Width	mm	3200	3200	3800	3800	3800	3800
Spindle Nose to Table	mm	250-1500	250-1500	250-1500	250-1500	250-1500	250-1500
Spindel Tape	No.	BT50	BT50	BT50	BT50	BT50	BT50
Max. Spindle Speed	r/min	6000	6000	6000	6000	6000	6000
Max.Spindle Motor Power	kw	22/26	22/26	22/26	22/26	22/26	22/26
X/Y/Z Rapid Traverse	m/min	12/12/16	12/12/16	16/16/16	12/12/16	12/12/16	12/12/16
Max. Cutting Feedrate	mm/min	8000	8000	8000	8000	8000	8000
Tool Capacity	T	24	24	24	24	24	24
Positioning Accuracy	mm	0.02/1000	0.02/1000	0.02/1000	0.02/1000	0.02/1000	0.02/1000
Repeatable Positioning Accuracy	mm	0.015	0.015	0.015	0.015	0.015	0.015
Machine Weight	T	58	63	55	60	65	75
Control System		Mitsubishi M80 / FANUC Oi-MF PLUS					

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FIVE-AXIS MACHINING CENTER

- The machine tool adopts a cradle-type turntable and dual DDR direct-drive motor control, with no backlash and no mechanical wear, ensuring long-term optimal accuracy.
- The spindle uses a BBT40 15,000-rpm spindle with high speed and high rigidity.
- The X, Y, and Z axes use precision linear guides with fast displacement speed and high precision.
- The Rhenac and New Generation systems are selected, with five-axis linkage processing. It is suitable for processing various types of complex-shaped aluminum alloy, stainless steel and other hardware parts, and is widely used in product processing in electronics, machinery, automation, medical and other fields.



Industry Applications



It is mainly used for multi-faceted processing or processing of spatial geometric special-shaped surfaces, and is widely used in aerospace, automotive, medical, electronics, mold and other industries.



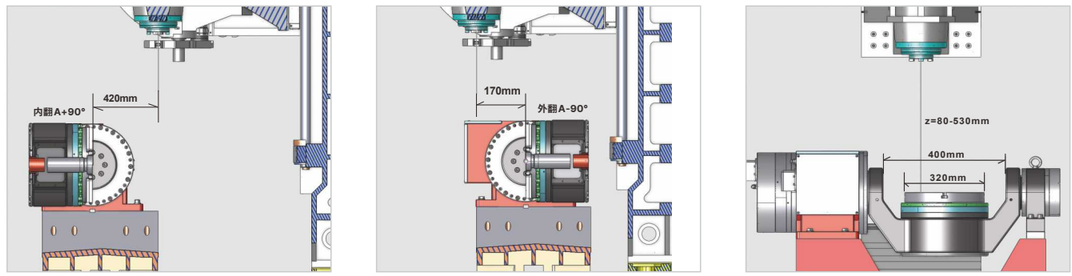
JF-UV320
JF-U400

5 Axis Work Simultaneously,
Support for RTCP cutter tip following



15000rpm built-in BBT40
Suitable for high-speed machining of surface quality

UV320 15000rpm built-in BBT40



Item	Unit	JF-UV320	JF-U400
X/Y/Z Axis Travel	mm	600/600/450	560/1000/550
A (Tilt Axis) / C (Rotation Axis) Travel	dec	±120°/360°	±130°/360°
Max. Rotation Diameter of Workpiece	mm	400	590
Worktable Size	mm	Φ320	Φ400
Allowable Load	kg	60	Vertical 100 / Horizontal 150
Spindel Tape	No.	BBT40	BBT40
Max. Spindle Speed	r/min	15000	20000
Max.Spindle Motor Power	kw	11	20 (Electric Spindle)
X/Y/Z Rapid Traverse	m/min	30/30/30	30/30/30
Max. Cutting Feedrate	mm/min	10000	10000
ATC		Disc Tool Magazine	Disc Tool Magazine
Tool Capacity	T	24	24
X/Y/Z Positioning Accuracy	mm	±0.005/300	±0.005/300
A/C Positioning Accuracy	sec	±10	±10
X/Y/Z Repeatable Positioning Accuracy	mm	±0.003	±0.003
A/C Repeatable Positioning Accuracy	sec	±5	±2
Machine Weight	kg	5800	7500
Dlmensions (L*W*H)	mm	2800/2600/2900	3300/3400/3200
Control System		Rhenium N5EC/Taiwan New Generation 220MA-5	

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HIGH-SPEED COPPER MACHINE / ENGRAVING AND MILLING MACHINING CENTER

- The high-speed copper milling machine optimizes and improves the drilling and tapping structure in many aspects, which can greatly improve the efficiency and precision of copper milling processing.
- The engraving and milling machine adopts a gantry structure, which has the characteristics of heavy bed and stable movement; the spindle is equipped with a 24000rpm electric spindle as standard, and a 12T umbrella tool magazine is optional.
- The high-speed ceramic spindle bearing design makes the surface smoothness and precision of the processed workpiece very high.



Industry Applications





Item	Unit	JF-TG600
X/Y/Z Axis Travel	mm	600/420/330
Spindle Nose to Table	mm	150-480
Worktable Dimension (L*W)	mm	720x400
Allowable Load	kg	350
Spindel Tape	No.	BBT30
Max. Spindle Speed	r/min	20000
Max.Spindle Motor Power	kw	5.5
X/Y/Z Rapid Traverse	m/min	30/30/30
Max. Cutting Feedrate	mm/min	8000
Tool Capacity	T	16/21
Positioning Accuracy	mm	±0.005/300
Repeatable Positioning Accuracy	mm	±0.003
Machine Weight	kg	3800
Dlmensions(L*W*H)	mm	1900/2400/2700
Control System		FANUC 0i-MF PLUS

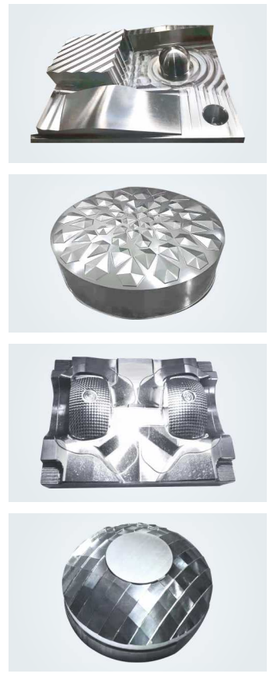
The perfect combination of high speed and high stability

JF-DX650 / DX870 / DX1080



Multifunctional engraving and milling machine integrating heavy cutting and high-speed displacement

行业应用 Industry Applications



Item	Unit	JF-DX650	JF-DX870	JF-DX1080
X/Y/Z Axis Travel	mm	600/500/250	800/700/330	1000/800/400
Door Width	mm	740	750	950
Spindle Nose to Table	mm	50-330	50-400	150-550
Worktable Dimension (L*W)	mm	600x500	800x700	1000x800
Allowable Load	kg	300	400	2000
Spindel Tape	No.	ER32/BT30	ER32/BT30	ER32/BT30
Max. Spindle Speed	r/min	24000	24000	24000
Max.Spindle Motor Power	kw	5.5	7.5	7.5
X/Y/Z Rapid Traverse	m/min	15/15/15	15/15/15	24/24/24
Max. Cutting Feedrate	mm/min	8000	8000	8000
Tool Capacity	T	12	12	12
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300
Repeatable Positioning Accuracy	mm	±0.003	±0.003	±0.003
Machine Weight	kg	3800	5000	6500
Dlmensions(L*W*H)	mm	2200/2000/2400	2400/2100/2400	3400/2100/2600
Control System		新代21MA/三菱E80		

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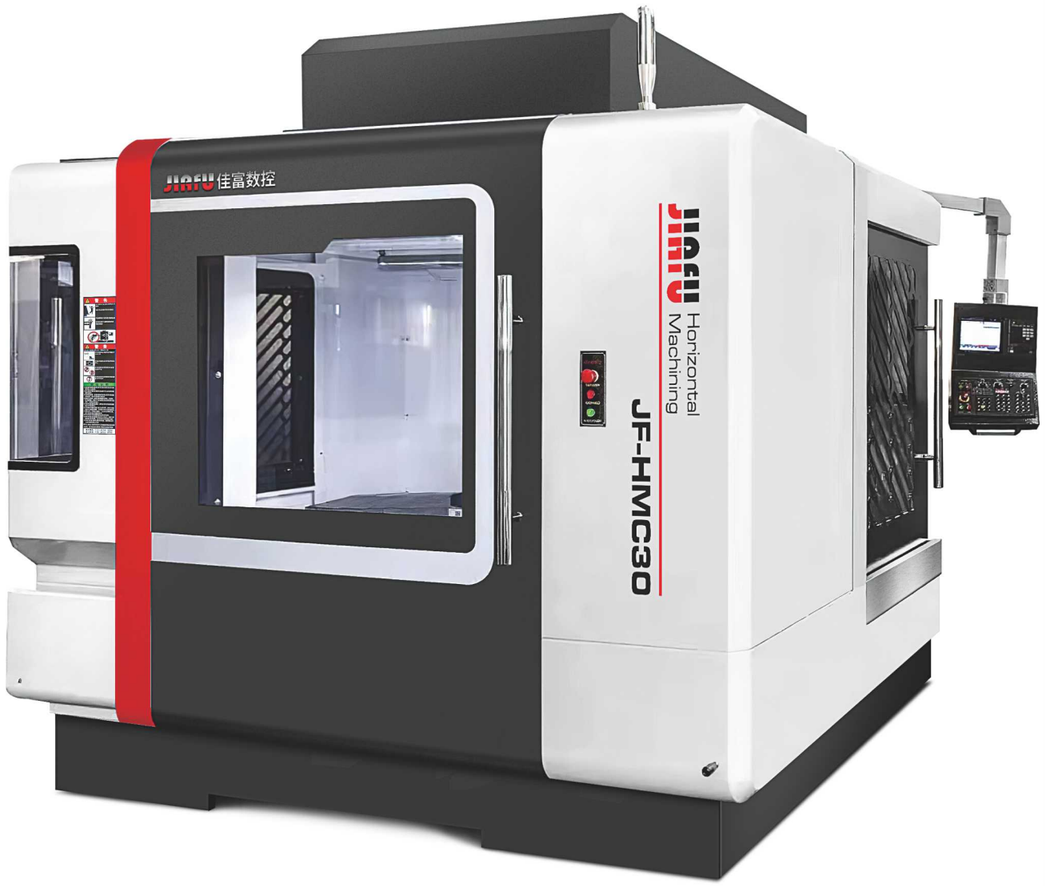
HORIZONTAL MACHINING CENTER

High-speed Horizontal Machining Center

- Standard X/Y/Z three-axis heavy-duty roller linear rails, equipped with 20000/12000RPM direct spindles, can achieve high-speed, high-precision, and high-finish processing.
- Equipped with a high-precision CNC turntable, it can achieve one-time clamping, multi-process, and multi-face processing.

Horizontal Machining Center Dedicated to Mold Base Processing

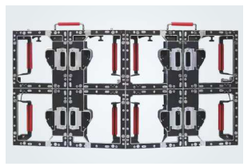
- Standard X/Z axis rails, Y axis hard rails, stable accuracy, and strong anti-seismic ability.
- Adopting a high-rigidity bed structure, it is cost-effective and is the preferred model for mold base processing.



Multi Surface Machining,High Efficiency and High Precision

Industry Applications

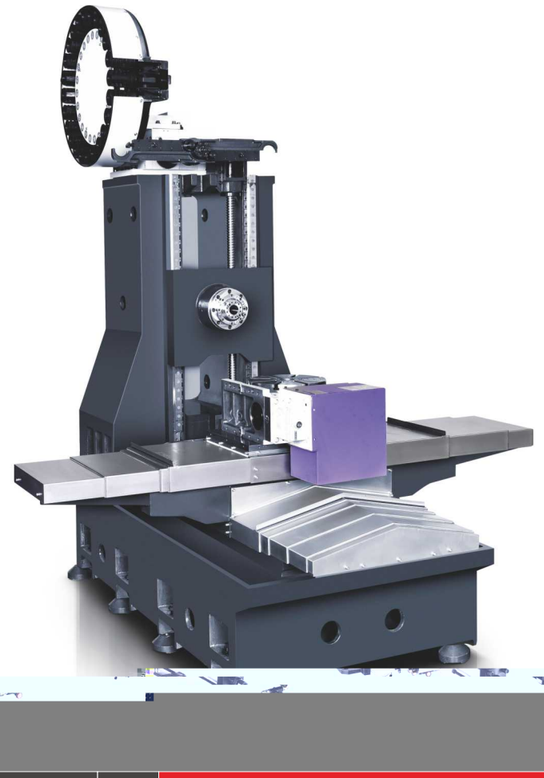





One-time clamping, multi-faceted processing

Higher Efficiency

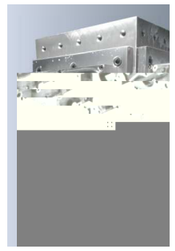
JF-HMC30 / HMC50 / HMC80
JF-LW1075 / LW1290 / LW1814



A variety of base structures are suitable for the processing requirements of different products.
Multi-face processing can be achieved in one clamping.
Equipped with high-power motors, it can achieve high torque output.
The three axes use linear roller guides with high speed, high precision and good rigidity.




Various exchange workstations (optional)

Processing Partial Picture

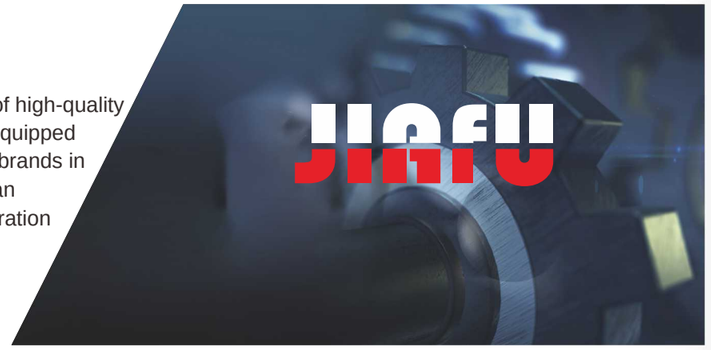
Processing Parts

Item	Unit	High-speed Horizontal Processing Center			Horizontal Processing Center for Mold Base Processing		
		JF-HMC30	JF-HMC50	JF-HMC80	JF-LW1075	JF-LW1290	JF-LW1814
Worktable Dimension (L*W)	mm	424x396	585x390	800x600	1300x600	1360x700	2000x900
Optional Rotating Table Size	mm	Φ210	Φ320	Φ320			
Allowable Load	kg				800	1000	1600
X/Y/Z Axis Travel	mm	500/450/450	800/600/600	1100/600/600	1000/750/600	1200/900/700	1800/1400/900
Spindle Nose to Table Center	mm	100-550	120-750	180-780	70-820	70-970	30-1430
Spindle Center to Table	mm	0-450	0-600	140-710	50-650	160-860	200-1100
Spindel Tape	No.	BBT30	BBT40	BBT40	BBT50	BBT50	BBT50
Max. Spindle Speed	r/min	20000	12000	12000	6000	6000	6000
Max.Spindle Motor Power	kw	5.5	11	11	15	18.5	18.5
Feed		X/Y/Z Three-axis Heavy-duty Roller Guide Rails			X/Z Axis Heavy-duty Linear Rails, Y Axis Hard Rails		
X/Y/Z Rapid Traverse	m/min	48/48/48	48/36/48	36/36/36	24/16/24	24/16/24	24/16/24
Max. Cutting Feedrate	mm/min	10000	10000	10000	8000	8000	8000
Tool Capacity	T	24	24	24	24	24	24
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300	±0.005/300	±0.005/300	±0.005/300
Repeatable Positioning Accuracy	mm	±0.003	±0.003	±0.003	±0.003	±0.003	±0.003
Machine Weight	kg	4500	6000	7500	7500	10000	14500
Control System		Mitsubishi M80 / FANUC Oi-MF PLUS					

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HIGH QUALITY CONFIGURATION

High-quality configuration is an important part of high-quality machine tools. Each machine tool is carefully equipped with high-quality components from well-known brands in Germany, Japan, Taiwan, China, etc., which can ensure the continuous, stable and efficient operation of the machine tool.



CONTROLLER SERIES

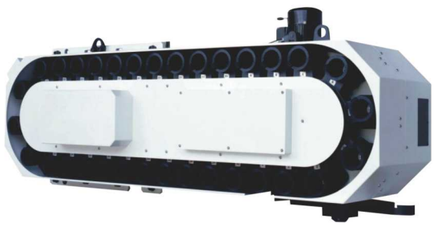

MITSUBISHI


FANUC


SIEMENS


HEIDENHAIN

MAGAZINE SERIES


Chain Tool Magazine


Clip Arm Tool Magazine


Disc Tool Magazine

OPTIONAL SPARE PARTS


Built-in High-speed Spindle


Linear Ruler



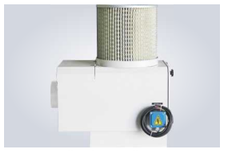
Tool Measurement


Online Detection


CTS


Five-axis Turntable


Four-axis Turntable


Oil Mist Collector


Oil-water Separator



INTELLIGENT EQUIPMENT

Towards Industry 4.0, let the world fall in love with China

JIAFU has been working hard!



INTELLIGENT FACTORY MANAGEMENT SYSTEM

Intelligent Production Network Management System

It can help all machine tools in the company's workshop to use one computer for network management, realize network program communication and management of machine tools, and help companies solve the problems in processing program communication management.

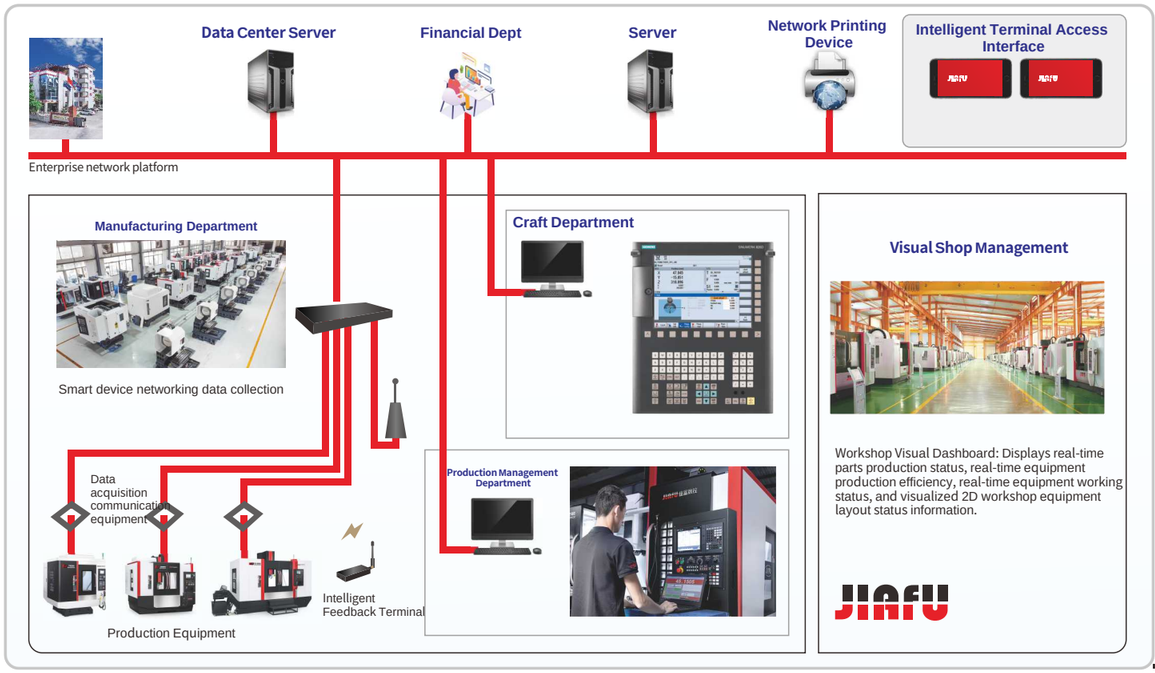
Intelligent Production Data Collection and Management System

Through a variety of methods, we can obtain real-time status data (equipment, personnel, work orders, etc.) of the production site, help customers reflect the current or past production status with charts and reports, and enable the production department of the enterprise to make scientific and effective decisions through feedback information.

Intelligent Workshop Visual Management System

Through the visual dashboard real-time information query terminal, you can grasp the current status, output, efficiency and other information related to the equipment. You can also remind relevant personnel through voice broadcasts, emails, text messages and other methods to improve the response speed of on-site personnel.

DIGITAL FACTORY MANAGEMENT SYSTEM PLATFORM



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