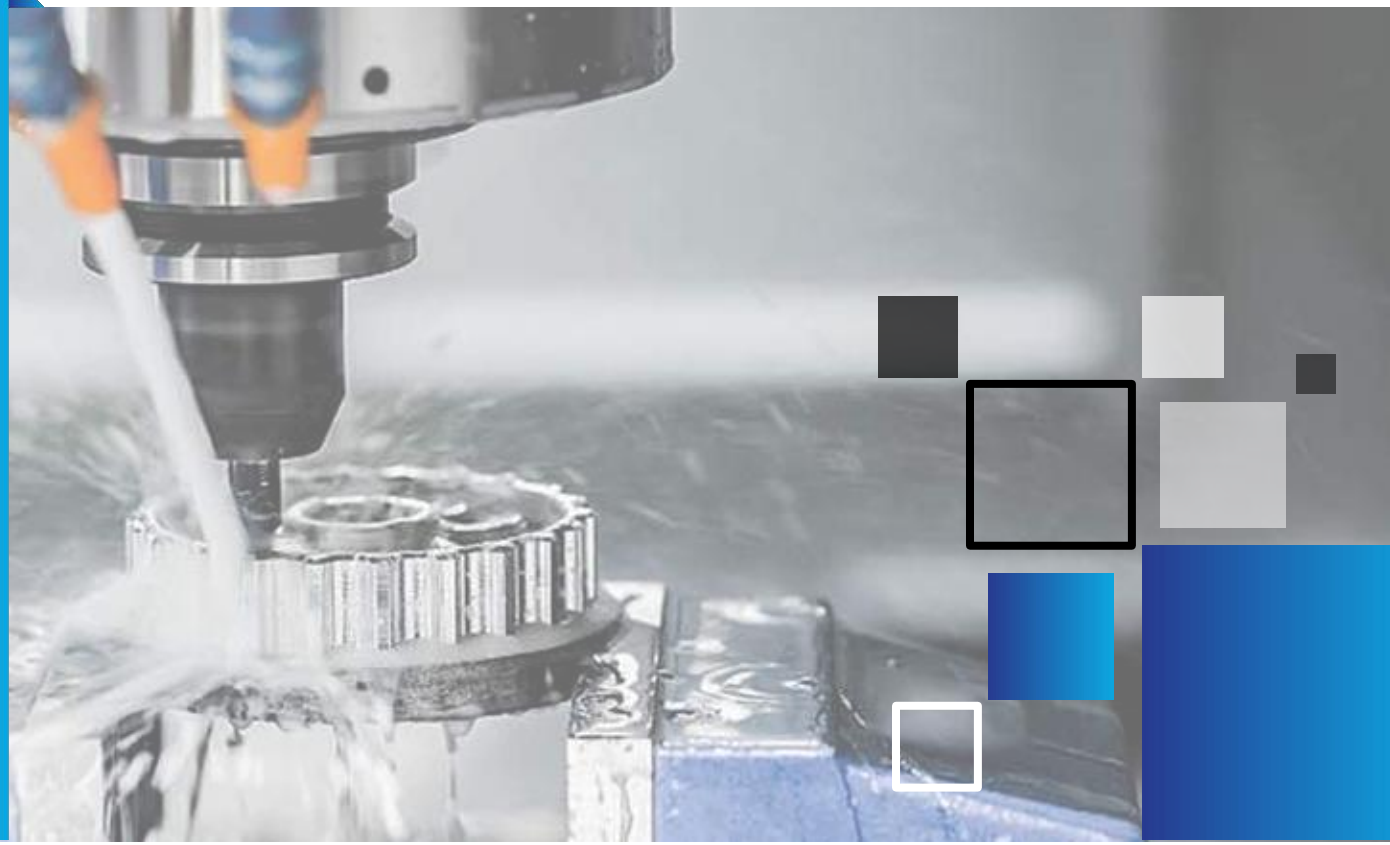
VMC SERIES

RAJSHREE AUTOMATION
AND CNC SERVICES



RAJSHREE AUTOMATION & CNC SERVICES

MACHINING CENTER

FOR DETAILED INFORMATION, VISIT:

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ABOUT US

Rajshree Automation and CNC Services (RACS) is a professional machine tool supplier engaged in developing , marketing and support all kinds of CNC machine tools. Based on our strong international machine tool development capability and mature experience, absorbing advanced technology from Taiwan and Europe. We sell high precision machine tools for parts manufacturing and mould manufacturing strictly in accordance with the newest international standard.

The company team is composed of professional and technical staff. The senior management have vast expertise in the CNC machine industry. We have long term cooperation's with international professional machine tool builders.

We imbued with vitality and full of confidence. We will adhere to people-oriented, innovation striving for excellence, providing customers with top products and top service as our purpose.

04

RIGID STRUCTURE

1 One-piece casting design in ram and gearbox.

2 Box guideways on z axis is excellent for heavy-duty cutting.

3 Stepped design shifts the gravity center toward crossbeam.

4 Cross beam guideways with max. Span design.

5 Roller linear guideways on Y-axis increases rigidity while in axial and lateral directions.

6 The base is made of pure casting structure ensures long term accuracy and stability.

7 Optimal span between guideways supports working table.

8 One piece cast base with two chip slots minimizes cleaning time and provides higher durability and leakage prevention.

9 Roller linear guideways on X-axis increase table load capacity and rigidity.

05

TOOL MAGAZINE

Disc type magazine

Tool changing time

Tool to tool (T1 ->T2): 2.9 sec (24 tools for BT-50)

Tool to tool (T1 ->T2): 2.4 sec (24 tools for BT-40)

- The innovative ball cam mechanism is adopted, its partitioning precision is high, and the running speed is only second to that of the servo tool disc;
- The separating tool holder is supported with the tool disc to keep the verticality and clearance of the tool holding bar for a long time, and the tool removal action is smooth;
- The air compressor cylinder is located on the outside of the slide bar, and is convenient for the speed adjustment and repair of the cylinder;
- The tool disc is tightly mated with the sheet metal, and the underside chip proof ratio is higher than 90%;
- The magazine is supported by the imported linear bearing to ensure smooth and steady sliding;
- The magazine is supported by the imported linear bearing to ensure smooth and steady sliding;
- The magazine is light-weight, and the magazine castings are made of aluminum alloy, so that the product is light.

Specification		BT40	BT50
Max. Tool weight (kg)	mm	8	15
Max. Tool length (mm)	mm	350	350
Max. Tool Diameter (mm)	mm	Ø 80	Ø 110
	mm	Ø 130	Ø 200

06

DETECTION DEVICE

1. Correction of Z-axis ball screw

2. Parallelism correction of linear guideway

3. Correction of Y-axis ball screw

4. Flatness correction of spindle plate

5. Hardness testing of casting

6. Ball bar Testing

In order to ensure 100% pass of finished products, we at RAJSHREE uses best detection device to finish the comprehensive and systematic detection for each machine

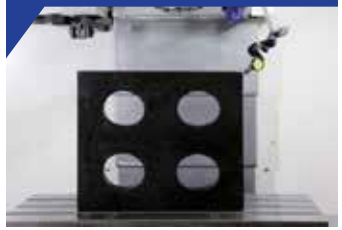
1. The parallelism and flatness of the Z-axis ball screw shall be corrected within 0.01 mm.
2. The parallelism and flatness of the linear guideway shall be corrected within 0.01 mm
3. The parallelism and flatness of the Y-axis ball screw shall be corrected within 0.01 mm.
4. The flatness of the spindle plate shall be corrected within 0.005 mm.
5. The hardness measurement of the casting shall be up to HB200+20.
6. The roundness of the ball bar test shall be within 0.01 mm at 300mm.
7. The flatness of the table is within 0.015 mm
8. XY verticality shall be within 0.005 mm.
9. XZ verticality shall be within 0.01 mm.

Laser testing

7. Flatness detection of table

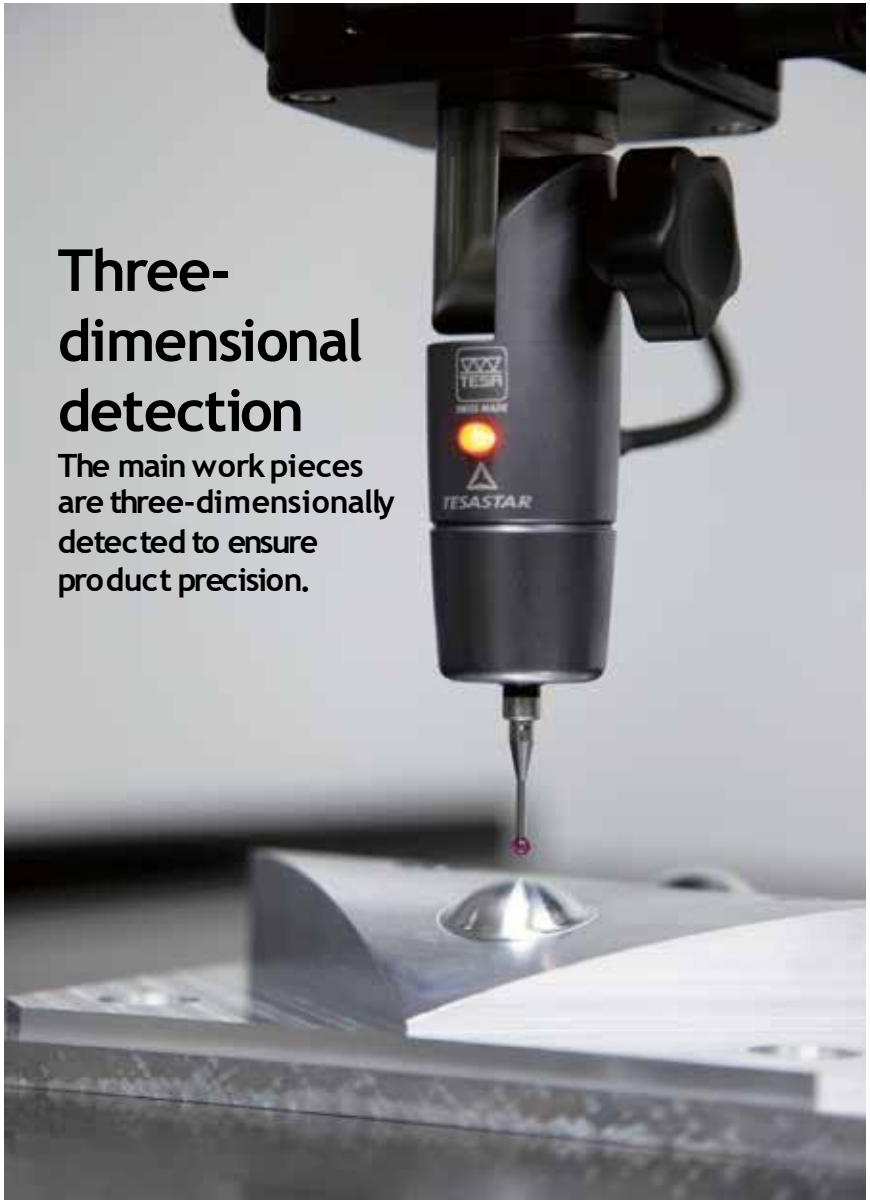
8. XY verticality detection

9. XZ verticality detection



07

DETECTION DEVICE



Three-dimensional detection

The main work pieces are three-dimensionally detected to ensure product precision.

1. Spindle pulling force test

2. Spindle shock test

3. Spindle temperature test

4. Spindle deflection test

1. The spindle pulling force test is used for testing the tool pulling force.
2. Spindle shock test: the shock displacement is less than 3 µm at each speed.
3. Spindle temperature test: whether the spindle temperature is abnormal after the spindle runs for 24 hours
4. Spindle deflection test: the spindle deflection shall be within 0.005 mm at 300 mm.
5. Magazine load test: test the maximum load of the magazine and check for any abnormality
6. Spindle coupling test: the concentricity shall be within 0.005 mm.

PRODUCT TESTING WITH METICULOSITY

5. Magazine load test

6. Spindle coupling detection

08

STANDARD

High-pressure backward flushing

Two vertical motors are installed, one is used for backward flushing on two sides, and the other is used for the machine to directly cool the machined work pieces. The new backward flushing chip removal design is adopted to rapidly and thoroughly remove the chips attached to the inside of the machine. The high-pressure backward flushing chip removal system mainly carries away the machining heat generated in the chips to ensure the machining precision and the surface smoothness of the work pieces as well as the machine precision

High-efficiency chip augers

The strip, block and particle chips cut from the metallic and non-metallic materials can be effectively removed, and the internal chips can be cleared in the machine.

Movable hand wheel

The movable hand wheel device is used, being convenient to operate and set.

Heat exchanger

The heat exchanger is used in the electrical box to ensure that the heat in the electrical box is extracted rapidly to maintain the temperature in the box and stabilize the operation of control system.

High-efficiency oil cooler

The high-efficiency oil cooler for the spindle effectively utilizes the recycling oil to take away the heat energy generated by the spindle running from the spindle through the refrigerating unit, so the spindle keeps operating at the normal temperature, thereby improving the machining precision, and ensuring the service life of the spindle.

Automatic lubricating system

The positive displacement point-to-point lubrication is used to ensure that the lubricating oil is filled into each oil inlet and uniformly distributed on the machine.

Tricolor light

The tricolor light is arranged at the conspicuous position of the machine. When the machine is out of order, the tricolor light gives warning to the operator

High Pressure Backward Flushing

High Efficiency chip augers

Movable hand wheel

Heat Exchanger

High-efficiency oil cooler

Tricolor light

Warm and soft daylight

Nitrogen balance system

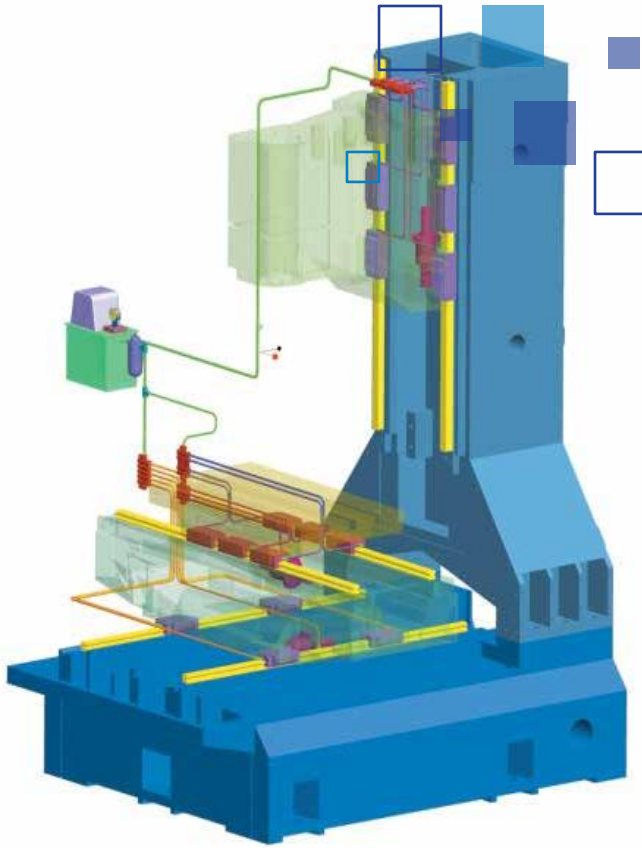
Z-axis uses the nitrous oxide balance system, which acts steadily and smoothly without shock; The nitrogen balance system is particularly suitable for VMC 1370 model and above; Even though the sudden power failure occurs without early warning, the headstock will not move down to ensure the tool life and the safety of work pieces.

Oil-water separator

The oil-water separator separates the oil from the mixture in the event of oil-water mixing, and ensures the quality of cutting fluid. The recovered oil can be reused to save the cost.

Warm and soft day lighting

One explosion-proof light is reasonably arranged on the two sides of the machine to fully ensure adequate lighting and protect the eyes from strong light.



Automatic Lubrication System

Oil-water separator

Nitrogen balance system

09 OPTIONAL

Laser toolsetting gauge

The laser toolsetting gauge can measure and detect the tool with the diameter as small as 0.003 mm at any point of the laser beam; the repeated accuracy can be ±0.1 μm in the specific environment; the level of protection is IP*8 in the rapid toolsetting and breakage detection. (Continuous dive test)

On-line measuring apparatus

360-degree infrared transmission; level of protection: IP*8; one-way repeated accuracy: 1.0 μm; in the machine detection process, 90% non-cutting time is saved, and the process control is improved, so that the non-benefit tool setting and work piece aligning time is shortened. The work piece scrapping caused by the aligning error is eliminated. The work piece is accurately detected to reduce the offline detection non-cutting time after machining.

Manual tool setting gauge

High precision

The manual tool setting gauge has the repeated positioning precision of 1 μ m, the direct driving contact mode and high parallelism, and can measure the small diameter tool.

High leak proofness

The manual tool setting gauge has the level of protection of IP67, is waterproof, oil proof and cutting fluid resistant, has good leak proofness and keeps high precision for a long time

Ultra-long life

The tool setting operation can be performed for 3 million times, its tool setting surface is a replaceable contact surface, and the manual tool setting gauge can be ground, polished and titanized to extend the service life of the gauge

Energy-saving and environmentally friendly oil mist collector

It. has high filter efficiency and statically filters; it is stable and reliable, and has high maintenance cost and low noise; it has high safety, no spark, no high voltage risk and vulnerable components; it can rapidly collect and capture the oil mist and dust and greatly improves the working quality of the machine.

Laser toolsetting gauge

Energy saving and environmental friendly oil mist collector

Cutting fluid cooling system

Fourth axis

Air conditioner cooler for electrical cabinet

Cutting fluid cooling system

It prevents the cutting fluid from being deteriorated, and effectively controls the cutting fluid to make up the requirement of the machine at the specified constant temperature to greatly improve the machining precision

Air conditioner cooler for electrical cabinet

The installation of air conditioner cooler can keep the temperature in the electrical cabinet constant to effectively stabilize the operation of control system.

Optical ruler

Absolutely reciprocating detection optical ruler powerful in the high precision positioning. (it can be installed on X/Y/Z-axis)

Fourth axis

It uses the high-precision gear for positioning to ensure that the partitioning precision is ±5 seconds. It has a precision structure assembled coupler not to float when partitioning. In combination with the fourth axis, it can machine multiple surfaces and reduce the non-machining time when the work pieces is loaded and unloaded.

On-Line measuring apparatus

Chip Conveyor

Automatic Safety Lock

Renishaw measuring contact Manual tool setting gauge

Optical Ruler

SPECIFICATION

Specification		VMC-650	VMC-850	VMC-1160
X/Y/Z Axis Travel	mm	600/500/500	800/500/500	1100/600/600
Distance from spindle nose to table surface	mm	110-610	150-650	120-720
Work Table Dimension	mm	800 x 500	1000 X 500	1200 x 600
T-Slot Dimension (Qty-Size-Spacing)	mm	5 –18–100	5 –18–100	5 –18 –100
Max. Working Table Load Capacity	Kg	450	600	900
Spindle Motor Power	Kw	7.5/11	7.5/ 11	11/ 15
Spindle Torque	NM	35/ 47.7	35/ 47.7	52.5/ 70
Spindle Speed	rpm	8000/ 10000/ 12000	8000/ 10000/ 12000	8000/ 10000/ 12000
Spindle Taper		BT40	BT40	BT40
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300
Repeatability Accuracy	mm	±0.003/300	±0.003/300	±0.003/300
X/Y/Z - Axis Rapid Speed	m/min	36/36/24	36/36/24	36/36/24
Feed Speed	mm/min	1-10000	1-10000	1-10000
Dia of X/Y/Z - Axis Ball Screw	mm	Ø40	Ø40	Ø40
X/Y/Z-Axis motor servo power	KW	2/2/3	2/2/3	3/3/3
Roller Guideways Size	mm	35/35/35	35/35/35	45/45/45
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Automatic Tool Changing System	T	24	24	24 (Optional)
Net Weight	Kg	5000	5200	7000
Outline Size	mm	2350x2850x2875	2700x2400x2500	2580x2700x3005

We have the right to change the above specifications without notice

VERTICAL MACHINING CENTER VMC

650/850/1160

SPECIFICATION

Specification		VMC-1275V	VMC-1370V	VMC-1580V
X/Y/Z Axis Travel	mm	1200/750/600	1300/700/700	1500/800/700
Distance from spindle nose to table surface	mm	120-720	80-780	150-850
Work Table Dimension	mm	1300 x 700	1400 X 700	1600 x 800
T-Slot Dimension (Qty-Size-Spacing)	mm	6 – 18 – 100	5 – 18 – 1110	7 – 18 – 110
Max. Working Table Load Capacity	Kg	1000	1600	1600
Spindle Motor Power	Kw	11/ 15	15	18.5
Spindle Torque	NM	52.5/ 70	70	
Spindle Speed	rpm	8000/ 10000	6000/ 8000/ 10000/ 12000	6000/ 8000
Spindle Taper		BT40	BT40/BT50	BT50
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300
Repeatability Accuracy	mm	±0.003/300	±0.003/300	0.003/300
X/Y/Z - Axis Rapid Speed	m/min	36/36/36	30/30/30	30/30/30
Dia of X/Y/Z - Axis Ball Screw	mm	Ø 40/ 40/ 40	Ø 45/ 45/ 45	Ø 50/ 50/ 50
X/Y/Z-Axis motor servo power	KW	3/3/3	3/3/3	3/3/3
Roller Guideways Size	mm	45/55/45	45/45/45	55/45/55
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Automatic Tool Changing System	T	24 (Optional)	24 (Optional)	24 (Optional)
Net Weight	Kg	8500	10000	13000
Outline Size	mm	3300x2500x2800	3600X2800X2800	4400x3200x3000

We have the right to change the above specifications without notice

VERTICAL MACHINING CENTER VMC

1275V/1370V/1580V

SPECIFICATION

Specification		2016	2516	3016	3516
X/Y/Z Axis Travel	mm	2000/1700/800	2500/1700/800	3000/1700/800	3500/1700/800
Gantry Width	mm	1700			
Distance from spindle nose to table surface	Mm	200-1000	200-1000	200-1000	200-1000
Work Table Dimension	Mm	1400 x 2100	1400 X 2600	1400 X 3100	1400 X 3600
T-Slot Dimension (Qty-Size-Spacing)	mm	7 – 22 – 200			
Max. Working Table Load Capacity	T	4	5	6	7
Spindle Speed	Rpm	6000			
Spindle Taper		BT50/ Ø190, Gearbox (Optional) BF/ZF			
Positioning Accuracy	Mm	±0.005/300			
Repeatability Accuracy	Mm	±0.003/300			
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 50 / 50 / 50	Ø 63 / 50 /50	Ø 63 / 50 /50	Ø 80 / 50 /50
Roller Guideways Size	Mm	55-6 / 55-4 / Hard Guideways	55-8/55-4/Hard Guideways	55-8/55-4/Hard Guideways	55-10/55-4/Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	18.5	20.5	22	25
Outline Size	mm	6600 x 4150 x3780	7600 x4150 x3780	8600 x 4150 x 3780	9600 x 4150 x 3780

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER
2016/2516/3016/3516

SPECIFICATION

Specification		2018	2518	3018	3518
X/Y/Z Axis Travel	mm	2000x1900x800	2500/1900/800	3000/1900/800	3500/1900/800
Gantry Width	mm	1900			
Distance from spindle nose to table surface	Mm	200-1000	200-1000	200-1000	200-1000
Work Table Dimension	Mm	1600 x 2200	1600 x 2700	1600 x 3200	1600 x 3700
T-Slot Dimension (Qty-Size-Spacing)	mm	9 – 22 – 180			
Max. Working Table Load Capacity	T	4.5	6	6.5	7.5
Spindle Speed	Rpm	6000			
Spindle Taper		BT50/ Ø190, Gearbox (Optional) BF/ZF			
Positioning Accuracy	Mm	±0.005/300			
Repeatability Accuracy	Mm	±0.003/300			
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 50 / 50 / 50	Ø 63 / 50 /50	Ø 63 / 50 /50	Ø 80 / 50 /50
Roller Guideways Size	Mm	55-6 / 55-4 / Hard Guideways	55-8/55-4/Hard Guideways	55-8/55-4/Hard Guideways	55-10/55-4/Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	19.5	22	23.5	26
Outline Size	Mm	6800 x 4300 x 4400	7800 x 4300 x 4400	8800 x 4300 x 4400	9900 x 4300 x4400

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER
2018/2518/3018/3518

SPECIFICATION

Specification		4032	5032	6032	8032	10032
X/Y/Z Axis Travel	Mm	4000 x 3200 x 1250	5000 x 3200 x 1250	6000 x 3200 x 1250	8000 x 3200 x 1250	10000 x 3200 x 1250
Gantry Width	mm	3200				
Distance from spindle nose to table surface	Mm	250-1500				
Work Table Dimension	Mm	3000 x 4000	3000 x 5000	3000 x 6000	3000 x 8000	3000 x 10000
T-Slot Dimension (Qty-Size-Spacing)	mm	15 – 28– 200				
Max. Working Table Load Capacity	T	12	15	18	22	26
Spindle Speed	Rpm	6000				
Spindle Taper		BT50/ Ø200, Gearbox (Optional) BF/ZF				
Positioning Accuracy	Mm	±0.005/300				
Repeatability Accuracy	Mm	±0.003/300				
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 80 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63
Roller Guideways Size	Mm	3-55-15 / 55-8 / Hard Guideways	3-55-18/55-8/ Hard Guideways	3-55-24/55-8/ Hard Guideways	3-55-33/55-8/ Hard Guideways	3-55-39/55-8/ Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	52	58	65	75	85
Outline Size	mm	10800 6500 x 4900	128006500x4900	150006500x4900	192006500x4900	222006500x4900

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER

4032/ 5032/ 6032/ 8032/ 10032

SPECIFICATION

Specification		4034	5034	6034	8034	10034
X/Y/Z Axis Travel	Mm	4000 x 3400 x 1250	5000 x 3400 x 1250	6000 x 3400 x 1250	8000 x 3400 x 1250	10000 x 3400 x 1250
Gantry Width	mm	3400				
Distance from spindle nose to table surface	Mm	250-1500				
Work Table Dimension	Mm	3000 x 4000	3000 x 5000	3000 x 6000	3000 x 8000	3000 x 10000
T-Slot Dimension (Qty-Size-Spacing)	mm	15 – 28– 200				
Max. Working Table Load Capacity	T	12	15	18	22	26
Spindle Speed	Rpm	6000				
Spindle Taper		BT50/ Ø200, Gearbox (Optional) BF/ZF				
Positioning Accuracy	Mm	±0.005/300				
Repeatability Accuracy	Mm	±0.003/300				
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 80 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63
Roller Guideways Size	Mm	3-55-15 / 55-8 / Hard Guideways	3-55-18/55-8/ Hard Guideways	3-55-24/55-8/ Hard Guideways	3-55-33/55-8/ Hard Guideways	3-55-39/55-8/ Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	53	59	66	76	86
Outline Size	mm	10800 x 6700 x 4900	12800x6700x4900	15000x6700x4900	19200x6700x4900	22200x6700x4900

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER

4034/ 5034/ 6034/ 8034/ 10034

SPECIFICATION

Specification		4038	5038	6038	8038	10038
X/Y/Z Axis Travel	Mm	4000 x 3800 x 1250	5000 x 3800 x 1250	6000 x 3800 x 1250	8000 x 3800 x 1250	10000 x 3800 x 1250
Gantry Width	mm	3800				
Distance from spindle nose to table surface	Mm	250-1500				
Work Table Dimension	Mm	3000 x 4000	3000 x 5000	3000 x 6000	3000 x 8000	3000 x 10000
T-Slot Dimension (Qty-Size-Spacing)	mm	15 – 28– 200				
Max. Working Table Load Capacity	T	14	17	20	24	28
Spindle Speed	Rpm	6000				
Spindle Taper		BT50/ Ø200, Gearbox (Optional) BF/ZF				
Positioning Accuracy	Mm	±0.005/300				
Repeatability Accuracy	Mm	±0.003/300				
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 80 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63
Roller Guideways Size	Mm	3-55-15 / 55-8 / Hard Guideways	3-55-18/55-8/ Hard Guideways	3-55-24/55-8/ Hard Guideways	3-55-33/55-8/ Hard Guideways	3-55-39/55-8/ Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	54	60	68	78	88
Outline Size	mm	10800 x 7100 x 4900	12800x7100x4900	15000x7100x4900	19200x7100x4900	22200x7100x4900

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER

4038/ 5038/ 6038/ 8038/ 10038

SPECIFICATION

Specification		4042	5042	6042	8042	10042
X/Y/Z Axis Travel	Mm	4000 x 4200 x 1250	5000 x 4200 x 1250	6000 x 4200 x 1250	8000 x 4200 x 1250	10000 x 4200 x 1250
Gantry Width	mm	4200				
Distance from spindle nose to table surface	Mm	250-1500				
Work Table Dimension	Mm	3000 x 4000	3000 x 5000	3000 x 6000	3000 x 8000	3000 x 10000
T-Slot Dimension (Qty-Size-Spacing)	mm	15 – 28– 200				
Max. Working Table Load Capacity	T	15	18	21	25	30
Spindle Speed	Rpm	6000				
Spindle Taper		BT50/ Ø200, Gearbox (Optional) BF/ZF				
Positioning Accuracy	Mm	±0.005/300				
Repeatability Accuracy	Mm	±0.003/300				
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 80 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63
Roller Guideways Size	Mm	3-55-15 / 55-8 / Hard Guideways	3-55-18/55-8/ Hard Guideways	3-55-24/55-8/ Hard Guideways	3-55-33/55-8/ Hard Guideways	3-55-39/55-8/ Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	55	62	70	80	90
Outline Size	mm	10800 x 7500 x 4900	12800x7500x4900	15000x7500x4900	19200x7500x4900	22200x7500x4900

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER

4042/ 5042/ 6042/ 8042/ 10042

SPECIFICATION

Specification		4046	5046	6046	8046	10046
X/Y/Z Axis Travel	Mm	4000 x 4600 x 1250	5000 x 4600 x 1250	6000 x 4600 x 1250	8000 x 4600 x 1250	10000 x 4600 x 1250
Gantry Width	mm	4600				
Distance from spindle nose to table surface	Mm	250-1500				
Work Table Dimension	Mm	3000 x 4000	3000 x 5000	3000 x 6000	3000 x 8000	3000 x 10000
T-Slot Dimension (Qty-Size-Spacing)	mm	15 – 28– 200				
Max. Working Table Load Capacity	T	15	18	21	25	30
Spindle Speed	Rpm	6000				
Spindle Taper		BT50/ Ø200, Gearbox (Optional) BF/ZF				
Positioning Accuracy	Mm	±0.005/300				
Repeatability Accuracy	Mm	±0.003/300				
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 80 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63	Ø 100 / 80 / 63
Roller Guideways Size	Mm	3-55-15 / 55-8 / Hard Guideways	3-55-18/55-8/ Hard Guideways	3-55-24/55-8/ Hard Guideways	3-55-33/55-8/ Hard Guideways	3-55-39/55-8/ Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	59	65	73	85	95
Outline Size	Mm	10800 x 7900 x 4900	12800x7900x4900	15000x7900x4900	19200x7900x4900	22200x7900x4900

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER

4046/ 5046/ 6046/ 8046/ 10046

SPECIFICATION

Specification		1612 L	2012 L
X / Y / Z Axis Travel	Mm	1600 X 1300 X 800	2000 X 1300 X 800
Gantry Width	Mm	1300	
Distance from spindle nose to table surface	Mm	190-990	
Work Table Dimension	Mm	1000 X 1600	1000 X 2000
T-Slot Dimension (Qty-Size-Spacing)	mm	7 – 22– 140	
Max. Working Table Load Capacity	T	4	4.5
Spindle Speed	Rpm	6000	
Spindle Taper		BT50/ Ø190, Gearbox (Optional) BF/ZF	
Positioning Accuracy	Mm	±0.005/300	
Repeatability Accuracy	Mm	±0.003/300	
Dia of X / Y / Z - Axis Ball Screw	Mm	Ø 50 / 50 / 50	Ø 63 / 50 /50
Roller Guideways Size	Mm	45-6 / 45-6 / Hard Guideways	45-8 / 45-6 / Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	16	18
Outline Size	Mm	5850 X 3700 X 3600	6500x3700x3600

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER

1612 L / 2012 L

SPECIFICATION

Specification		2720L	3220L	3720L	4220L
X/Y/Z Axis Travel	Mm	2700 x 2000 x 1000	3200 x 2000 x 1000	3700 x 2000 x 1000	4200 x 2000 x 1000
Gantry Width	Mm	2000			
Distance from spindle nose to table surface	Mm	180-1180			
Work Table Dimension	Mm	1800 x 2500	1800 x 3000	1800 x 3500	1800 x 4000
T-Slot Dimension (Qty-Size-Spacing)	Mm	9– 22– 190			
Max. Working Table Load Capacity	T	5	6	8	9
Spindle Speed	Rpm	6000			
Spindle Taper		BT50/ Ø190, Gearbox (Optional) BF/ZF			
Positioning Accuracy	Mm	±0.005/300			
Repeatability Accuracy	Mm	±0.003/300			
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 63 / 50 / 50	Ø 80 / 50 /50	Ø 80 / 50 /50	Ø 80 / 50 /50
Roller Guideways Size	Mm	45-8 / 45-4 / Hard Guideways	55-10/45-4/Hard Guideways	55-10/45-4/Hard Guideways	55-14/45-4/Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	22	26	28	30
Outline Size	Mm	8000 x 4000 x 4000	8500x4000x4000	9000x4000x4000	10000x4000x4000

We have the right to change the above specifications without notice

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2720L/ 3220L/ 3720L/ 4220L

SPECIFICATION

Specification		3022L	4022L	5022L
X/Y/Z Axis Travel	Mm	3000 x 2200 x 1000	4000 x 2200 x 1000	5000 x 2200 x 1000
Gantry Width	Mm	2000		
Distance from spindle nose to table surface	Mm	180-1180		
Work Table Dimension	Mm	1800 x 2500	1800 x 3000	1800 x 3500
T-Slot Dimension (Qty-Size-Spacing)	Mm	9– 22– 190		
Max. Working Table Load Capacity	T	5	6	8
Spindle Speed	Rpm	6000		
Spindle Taper		BT50/ Ø190, Gearbox (Optional) BF/ZF		
Positioning Accuracy	Mm	±0.005/300		
Repeatability Accuracy	Mm	±0.003/300		
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 63 / 50 / 50	Ø 80 / 50 /50	Ø 80 / 50 /50
Roller Guideways Size	Mm	45-8 / 45-4 / Hard Guideways	55-10/45-4/Hard Guideways	55-10/45-4/Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	22	26	28
Outline Size	Mm	8000 x 4000 x 4000	8500x4000x4000	9000x4000x4000

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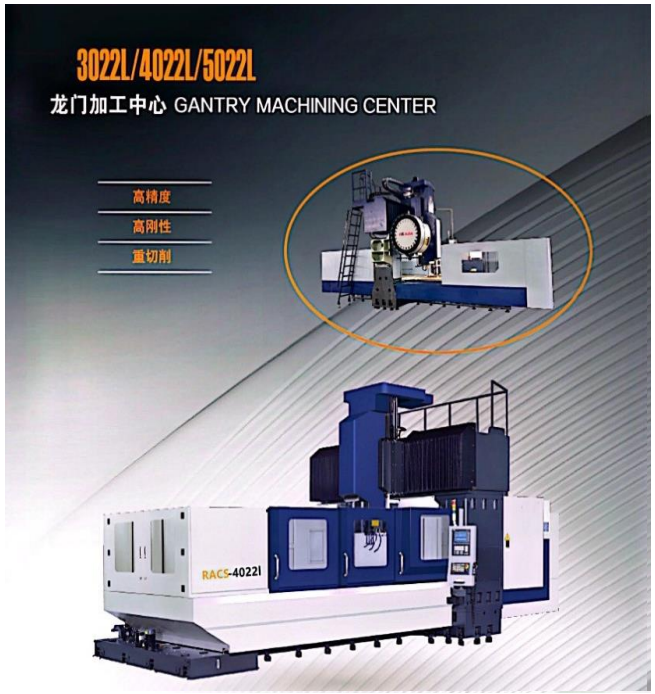
GANTRY MACHINING CENTER

3022L/ 4022L/ 5022L



SPECIFICATION

Specification		3025L	4025L	5025L	6025L	8025L
X / Y / Z Axis Travel	Mm	3000 x 2700 x 1000	4000 x 2700 x 1000	5000 x 2700 x 1000	5000 x 2700 x 1000	5000 x 2700 x 1000
Gantry Width	Mm	2700				
Distance from spindle nose to table surface	Mm	280-1280			270-1270	190-1190
Work Table Dimension	Mm	2300 x 3000	2300 x 4000	2300 x 5000	2300 x 6000	2300 x 8000
T-Slot Dimension (Qty-Size-Spacing)	Mm	11– 28– 200				
Max. Working Table Load Capacity	T	10	12	15	18	18
Spindle Speed	Rpm	6000				
Spindle Taper		BT50/ Ø200, Gearbox (Optional) BF/ZF				
Positioning Accuracy	Mm	±0.005/300				
Repeatability Accuracy	Mm	±0.003/300				
Dia of X / Y / Z - Axis Ball Screw	Mm	Ø 80 / 63 / 50			Ø 100 / 63 / 50	Ø 100 / 63 / 50
Roller Guideways Size	Mm	55-10 / 55-4 / Hard Guideways	55-14/55-4/ Hard Guideways	55-14/55-4/ Hard Guideways	55-18/55-4/ Hard Guideways	55-26/55-4/ Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	42	48	53	60	76
Outline Size	Mm	9150 x 6450 x 5350	11000x6450x5350	13100x6450x5350	16300x6450x5350	19400x6450x5350

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER

3025L/ 4025L/ 5025L/ 6025L/ 8025 L

SPECIFICATION

Specification		3028L	4028L	5028L	6028L	8028L
X/Y/Z Axis Travel	Mm	3000 x 2800 x 1000	4000 x 2800 x 1000	5000 x 2800 x 1000	5000 x 2800 x 1000	5000 x 2800 x 1000
Gantry Width	Mm	2800				
Distance from spindle nose to table surface	Mm	280-1280			270-1270	190-1190
Work Table Dimension	Mm	2300 x 3000	2300 x 4000	2300 x 5000	2300 x 6000	2300 x 8000
T-Slot Dimension (Qty-Size-Spacing)	Mm	11– 28– 200				
Max. Working Table Load Capacity	T	10	12	15	18	18
Spindle Speed	Rpm	6000				
Spindle Taper		BT50/ Ø200, Gearbox (Optional) BF/ZF				
Positioning Accuracy	Mm	±0.005/300				
Repeatability Accuracy	Mm	±0.003/300				
Dia of X/Y/Z - Axis Ball Screw	Mm	Ø 80 / 63 / 50			Ø 100 / 63 / 50	Ø 100 / 63 / 50
Roller Guideways Size	Mm	55-10 / 55-4 / Hard Guideways	55-14/55-4/Hard Guideways	55-14/55-4/Hard Guideways	55-18/55-4/ Hard Guideways	55-26/55-4/ Hard Guideways
Controller		Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi	Fanuc, Mitsubishi
Net Weight	T	42	48	53	60	76
Outline Size	Mm	9150 x 6450 x 5350	11000x6450x5350	13100x6450x5350	16300x6450x5350	19400x6450x5350

We have the right to change the above specifications without notice

GANTRY MACHINING CENTER

3028L/ 4028L/ 5028L/ 6028L/ 8028 L

RAJSHREE AUTOMATION AND CNC SERVICES

Precautions:

- Due to product improvement and development, specification is subjected to change without further notice.
- Materials and pictures are for reference only, please refer to the actual product.
- Contact RAJSHREE sales office for questions regarding catalog content.
- Actual machine standard features may differ in some details from machines shown in catalog images.

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