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NEW 2023-EN-M-A The text description, pictures and technical parameters in the sample are for reference only, and the changes due to technological development are subject to change without notice.

CNC MACHINE TOOLS FOR MOLD INDUSTRIES SOLUTIONS

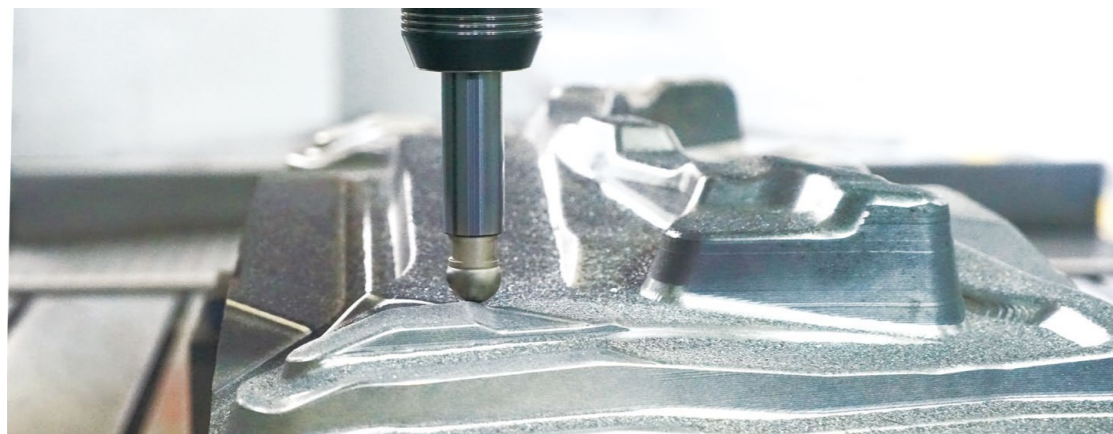
HIGH SPEED | HIGH EFFICIENCY | HIGH ACCURACY

VMC II | CFV | GUeII PLUS | MOUS II PLUS | GRUe II
BFM | BM

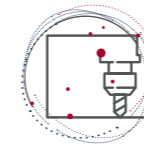
HISION

PRODUCT INTRODUCTION

Science and technology lead the future. High speed series products have a number of patented technologies, integrating high-end technologies such as high modal frequency, high dynamic response, ergonomics, energy conservation and environmental protection, to present customers with a perfect high-speed cutting experience. The products are applicable to the processing fields of high hardness materials, non-ferrous metals, plastics, etc. It is widely used in high-end manufacturing industries such as mould, rail transit, automobile, household appliances and medical treatment.



CATALOGUE



VERTICAL MACHINING CENTER

VMC II [Page 03-04]

CFV [Page 05]



DOUBLE COLUMN MACHINING CENTER

GUe II PLUS [Page 06]



HIGH-SPEED DOUBLE COLUMN MACHINING CENTER

MOUS II PLUS [Page 07-10]



DOUBLE COLUMN MACHINING CENTER

GRUe II [Page 11-14]



HIGH SPEED FIVE AXIS/ELEVATED GANTRY PENTAHEDRON MILLING CENTER

BFM [Page 15-17]

BM [Page 18]



VMC II

Items	Unit	VMC760 II	VMC850 II
» Machining Capacity			
X travel	mm	760	850
Y travel	mm	400	500
Z travel	mm	500	500
Spindle nose to table surface	mm	150-650	150-650
» Table			
Table size	mm	900×400	1000×500
Max. table loading	kg	300	600
T slot size	mm	3×18×125	5×18×80
» Feed Rate			
Rapid traverse(X/Y/Z)	m/min	36/36/36	36/36/36
Cutting feedrate(X/Y/Z)	m/min	15/15/15	15/15/15
» Spindle			
Drive type		Direct Drive	Direct Drive
Max. Spindle speed	rpm	12,000	12,000
Spindle power	kW	7.5/11	11/15
Spindle torque	Nm	35.8/70	52.5/95.5
Spindle taper		BT40	BT40
Pull stud		MAS-P40T-I (45°)	MAS-P40T-I (45°)
» Tool Magazine			
Tool magazine capacity	T	24	24
Tool magazine type		Arm type	Arm type
Max.tool dia (Adjacent vacant)	mm	Φ80 / Φ150	Φ80 / Φ150
Max.tool length	mm	300	300
Max.tool weight	kg	8	8
Tool change time (T-T)	s	2.5	2.5
» Other			
Power capacity	kVA	25	25
Controller		Mitsubishi 80A Fanuc Oi	Mitsubishi 80A Fanuc Oi
Machine weight	t	5.5	6
Machine size(L×W×H)	cm	230×325×255	250×340×255

VMC II

Items	Unit	VMC1000 II	VMC1300 II
» Machining Capacity			
X travel	mm	1000	1300
Y travel	mm	600	650
Z travel	mm	600	650
Spindle nose to table surface	mm	150-750	150-800
» Table			
Table size	mm	1200×600	1500×650
Max. table loading	kg	800	1200
T slot size	mm	5×18×100	5×18×125
» Feed Rate			
Rapid traverse(X/Y/Z)	m/min	36/36/36	30/30/20
Cutting feedrate(X/Y/Z)	m/min	15/15/15	12/12/10
» Spindle			
Drive type		Direct Drive	Direct Drive
Max. Spindle speed	rpm	12,000	12,000
Spindle power	kW	11/15	11/15
Spindle torque	Nm	52.5/95.5	52.5/95.5
Spindle taper		BT40	BT40
Pull stud		MAS-P40T-I (45°)	MAS-P40T-I (45°)
» Tool Magazine			
Tool magazine capacity	T	24	24
Tool magazine type		Arm type	Arm type
Max.tool dia (Adjacent vacant)	mm	Φ80 / Φ150	Φ80 / Φ150
Max.tool length	mm	300	300
Max.tool weight	kg	8	8
Tool change time (T-T)	s	2.5	2.5
» Other			
Power capacity	kVA	25	25
Controller		Mitsubishi 80A Fanuc Oi	Mitsubishi 80A Fanuc Oi
Machine weight	t	6.5	9
Machine size(L×W×H)	cm	280×355×270	335×370×295

CFV

Items	Unit	CFV600	CFV900	CFV1100
» Machining Capacity				
X travel	mm	600	900	1100
Y travel	mm	430	430	540
Z travel	mm	510	510	520
Spindle nose to table surface	mm	150-660	150-660	150-670
» Table				
Table size	mm	900×430	1100×430	1300×550
Max. table loading	kg	500	700	1200
T slot size	mm	3×18×125	3×18×125	5×18×100
» Feed Rate				
Rapid traverse(X/Y/Z)	m/min	36/36/36	36/36/36	36/36/36
Cutting feedrate(X/Y/Z)	m/min	20/20/20	20/20/20	20/20/20
» Spindle				
Drive type		Built-in Spindle		Built-in Spindle
Max. Spindle speed	rpm	12,000		12,000
Spindle power	kW	7.5/11	10/22	7.5/11 10/22
Spindle torque	Nm	71.6/105	63.7/118	71.6/105 63.7/118
Spindle taper		BT40		BT40
Pull stud		MAS-P40T-1 (45°)		MAS-P40T-1 (45°)
» Tool Magazine				
Tool magazine capacity	T	24		24
Tool magazine type		Servo arm type		Servo arm type
Max.tool dia (Adjacent vacant)	mm	Φ80 / Φ150		Φ80 / Φ150
Max.tool length	mm	300		300
Max.tool weight	kg	8		8
Tool change time (T-T)	s	1.5		1.5
» Other				
Power capacity	kVA	35		35
Controller		Mitsubishi M80A	Fanuc Oi	Mitsubishi M80A Fanuc Oi
Machine weight	t	6		7 8
Machine size(L×W×H)	cm	206×240×266		260×242×258 290×289×268

GUE II PLUS

Items	Unit	GUE5 II PLUS	GUE6 II PLUS
» Machining Capacity			
X travel	mm	1300	1500
Y travel	mm	700	850
Z travel	mm	700	700
Distance between columns	mm	1570	1670
Spindle nose to table surface	mm	150-850	150-850
» Table			
Table size	mm	1400×700	1500×850
Max. table loading	kg	2000	3000
T slot size	mm	5×18×150	5×18×160
» Feed Rate			
Rapid traverse(X/Y/Z)	m/min	24/24/15	24/24/15
Cutting feedrate(X/Y/Z)	m/min	20/20/10	20/20/10
» Spindle			
Drive type		Built-in Spindle	
Max. Spindle speed	rpm	8,000	
Spindle power	kW	15/30 (Low Speed)	18.5/22 (Low Speed)
		22/30 (High Speed)	26/30 (High Speed)
Spindle torque	Nm	318/774 (Low Speed)	305/623 (Low Speed)
		233/318 (High Speed)	99.3/153 (High Speed)
Spindle taper		BT50	
Pull stud		MAS403-P50T-II (60°)	
» Tool Magazine			
Tool magazine capacity	T	24	
Tool magazine type		Arm type	
Max.tool dia (Adjacent vacant)	mm	Φ110 / Φ200	
Max.tool length	mm	300	
Max.tool weight	kg	20	
» Other			
Power capacity	kVA	65	
Controller	-	Mitsubishi M80A	Fanuc Oi
Machine weight	t	13	
Machine size(L×W×H)	cm	440×335×420	



HIGH SPEED DOUBLE COLUMN MACHINING CENTER

MOUS II PLUS

MOUSII PLUS series is designed with Haitian Precision patented technology, which enables this series of machine tools to have high modal frequency characteristics, high dynamic characteristics, excellent temperature adaptability, excellent processing navigation functions, excellent ergonomics, etc., as well as high-speed built-in spindle, making this series of machine tools extremely suitable for mold processing.

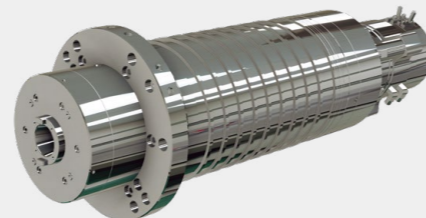


Gantry Frame

- The beam column integrated gantry frame has a stable base.
- The cross beam section adopts stepped structure, large section and large span.
- The distance from the spindle center to the Z axis guide rail surface is short, the turning moment is small, and the structure is rigid.

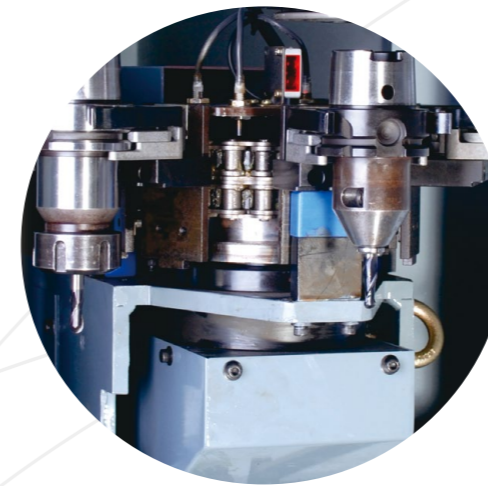
High Performance Built-In Spindle

- Self developed and manufactured high-performance motorized spindle, which can be configured with 12000 rpm and 15000 rpm built-in spindle.
- Built-in motor direct drive, no other vibration source.
- Low speed, high torque, high speed and constant power.



Tool Magazine

- Optional 16/24 tool magazine, stable operation, fast tool change.
- Equipped with tool magazine protection to prevent iron chips from entering the non processing area.



Tool Automatic Measuring System (Option)

- Equipped with automatic tool measurement system, it can realize tool length, radius measurement, tool breakage, wear, damage monitoring and other functions, and improve the reliability of the machine tool.



Tool External Oil Mist Cooling (Option)

- Effectively protect the tool and extend its service life.
- High mold precision and surface finish can be obtained.



MOUS II PLUS

Items	Unit	MOUS13 II×8 PLUS	MOUS13 II×16 PLUS	MOUS13 II×21 PLUS	MOUS13 II×30 PLUS
» Machining Capacity					
X travel	mm	1300	1600	2000	3100
Y travel	mm	700	1300	1300	1300
Z travel	mm	800	800	800	800
Distance between columns	mm	1570	1550	1550	1550
Spindle nose to table surface	mm	150-950	150-950	150-950	150-950
» Table					
Table size	mm	1400×700	1300×1800	1300×2200	1300×3000
Max. table loading	t	2	4	5	7
T slot size		5×18×150	8×22×140	8×22×140	8×22×140
» Feed Rate					
Cutting feedrate(X/Y/Z)	m/min	20/20/20	12/20/20	12/20/20	12/20/20
Rapid traverse(X/Y/Z)	m/min	24/24/24	20/24/24	16/24/24	16/24/24
» Spindle					
Drive type		Built-in spindle	Built-in spindle	Built-in spindle	Built-in spindle
Max. Spindle speed	rpm	15000	15000	15000	15000
Spindle power	kW	18.5/22	18.5/22	18.5/22	18.5/22
Spindle torque	N.m	95.5/167	95.5/167	95.5/167	95.5/167
Spindle taper		HSK-A63	HSK-A63	HSK-A63	HSK-A63
» Tool Magazine (Option)					
Tool magazine capacity	T	24	24	24	24
Tool shank type		HSK-A63	HSK-A63	HSK-A63	HSK-A63
Max.tool dia. (Adjacent Vacant)	mm	Φ80/Φ150	Φ80/Φ150	Φ80/Φ150	Φ80/Φ150
Max. tool length	mm	300	300	300	300
Max. tool weight	kg	8	8	8	8
» Other					
Power capacity	kVA	65	65	65	65
Machine weight	t	13	16	19	24
Machine size(L×W×H)	cm	390×400×430	527×448×430	627×448×430	827×448×430

Standard Configuration

1. Controller: MISTUBISHI M80A
2. Built-in spindle (Hision)
3. Spindle oil chiller
4. Pneumatic, hydraulic and lubrication system
5. Full enclosure without top cover
6. Automatic internal chip removal
7. Cutting cooling
8. 3-color signal lamp, working light
9. Standard accessories
10. Maintenance tools

MOUS II PLUS

Items	Unit	MOUS16 II×8 PLUS	MOUS16 II×20 PLUS	MOUS16 II×25 PLUS
» Machining Capacity				
X travel	mm	1500	2000	2500
Y travel	mm	850	1500	1500
Z travel	mm	800	800	800
Distance between columns	mm	1670	1650	1650
Spindle nose to table surface	mm	150-950	200-1000	200-1000
» Table				
Table size	mm	1500×850	1500×2200	1500×2700
Max. table loading	t	3	6	8
T slot size		5×18×160	11×22×140	11×22×140
» Feed Rate				
Cutting feedrate(X/Y/Z)	m/min	20/20/20	12/20/20	12/20/20
Rapid traverse(X/Y/Z)	m/min	24/24/24	16/24/24	16/24/24
» Spindle				
Drive type		Built-in spindle	Built-in spindle	Built-in spindle
Max. Spindle speed	rpm	15000	15000	15000
Spindle power	kW	18.5/22	18.5/22	18.5/22
Spindle torque	N.m	95.5/167	95.5/167	95.5/167
Spindle taper		HSK-A63	HSK-A63	HSK-A63
» Tool Magazine (Option)				
Tool magazine capacity	T	24	24	24
Tool shank type		HSK-A63	HSK-A63	HSK-A63
Max.tool dia. (Adjacent Vacant)	mm	Φ80/Φ150	Φ80/Φ150	Φ80/Φ150
Max. tool length	mm	300	300	300
Max. tool weight	kg	8	8	8
» Other				
Power capacity	kVA	65	65	65
Machine weight	t	14.6	20	23
Machine size(L×W×H)	cm	400×420×430	628×458×430	727×458×430

Standard Configuration

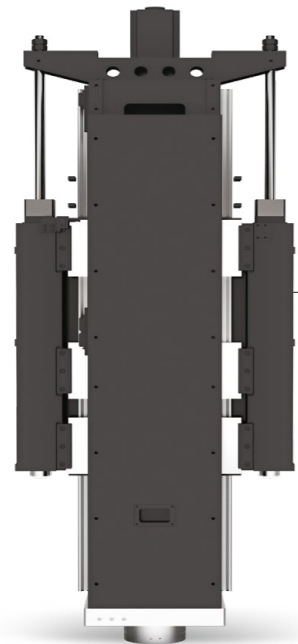
1. Controller: MISTUBISHI M80A
2. Built-in spindle (Hision)
3. Spindle oil chiller
4. Pneumatic, hydraulic and lubrication system
5. Full enclosure without top cover
6. Automatic internal chip removal
7. Cutting cooling
8. 3-color signal lamp, working light
9. Standard accessories
10. Maintenance tools



DOUBLE COLUMN MACHINING CENTER

GRUe II

GRUe II series double column machining center inherits the high rigid geometric framework of traditional gantry. The three-axis adopts linear guide rail structure, large ram section, advanced high torque motorized spindle, and rich automatic accessory head options to make processing more efficient; It also endows with the characteristics of environmental protection and energy saving, and is widely applicable to the panel stamping die.



High Rigid Ram

- The high rigid ram is designed with large size two line rails, with low friction coefficient and good dynamic performance.
- Various attachment heads adapt to diversified processing needs.

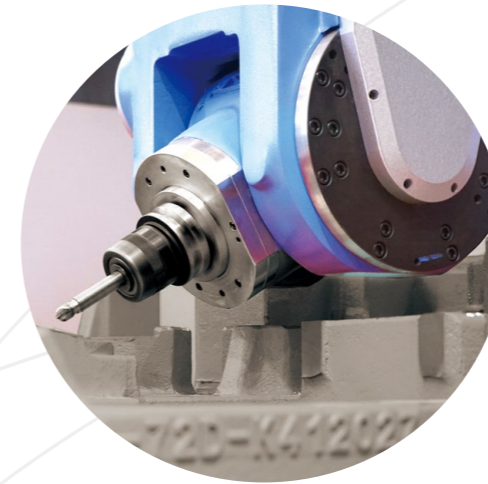
High Power and Torque Built-In Spindle

- Self developed high torque built-in spindle.
- The spindle speed is 6000rpm, and the maximum torque is 505/600N. m, which endows the machine tool with strong cutting performance.



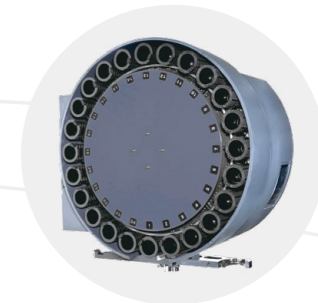
Auto Universal AC Swing Head

- Abundant attachment head options can be configured with 4000rpm fully automatic AC swing head.
- Use the 3+2 coordinate conversion function to greatly expand the applicability of the machine tool.



Column Rotary Head Stock

- Automatic head change is realized, and the structure is compact.
- The auxiliary processing time is reduced, and the processing efficiency is improved.



Tool Magazine ATC

- The tool magazine has the function of preparing tools in advance, preparing the next tool while processing, shortening the non processing time and improving the processing efficiency.



GRUe II

Items	Unit	GRUe28 II × 30	GRUe28 II × 40	GRUe28 II × 50	GRUe28 II × 60	GRUe32 II × 40
» Machining Capacity						
X travel	mm	3200	4200	5500	6500	4200
Y travel	mm	2700	2700	2700	2700	3200
Z travel	mm	1000	1000	1000	1000	1000
Distance between columns	mm	2800	2800	2800	2800	3200
Spindle nose to table surface	mm	250-1250	250-1250	250-1250	250-1250	150-1150
» Table						
Table size	mm	2000×3000	2000×4000	2000×5000	2000×6000	2500×4000
Max. table loading	t	15	18	22	25	20
T slot size		9×22×200	9×22×200	9×22×200	9×22×200	12×28×200
» Feed Rate						
Cutting feedrate(X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	10/10/10	6/10/10
Rapid traverse(X/Y/Z)	m/min	15/15/15	12/15/15	10/15/15	10/15/15	12/15/15
» Spindle						
Drive type		Built-in spindle	Built-in spindle	Built-in spindle	Built-in spindle	Built-in spindle
Max. Spindle speed	rpm	6000	6000	6000	6000	6000
Spindle power	kW	22/25	22/25	22/25	22/25	22/25
Spindle torque	N.m	505/600	505/600	505/600	505/600	505/600
Spindle taper		BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	420×430	420×430
» Tool Magazine (Option)						
Tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40
Tool shank type		BT50	BT50	BT50	BT50	BT50
Max.tool dia. (Adjacent Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	300	300	300	300	300
Max. tool weight	kg	20	20	20	20	20
» Other						
Power capacity	kVA	55	55	55	55	55
Machine weight	t	42	48	53	59	57
Machine size(L×W×H)	cm	1050×530×560	1250×530×560	1500×530×560	1700×530×560	1250×580×580

Standard Configuration

1. Controller: FANUC 0i
2. Built-in spindle (Hision)
3. Spindle oil chiller
4. Pneumatic, hydraulic and lubrication system
5. Simple splash guard
6. Automatic internal chip removal
7. Cutting cooling
8. 3-color signal lamp, working light
9. Standard accessories
10. Maintenance tools
11. External chain type chip conveyor

GRUe II

Items	Unit	GRUe32 II × 50	GRUe32 II × 60	GRUe32 II × 80	GRUe36 II × 50	GRUe36 II × 60	GRUe36 II × 80
» Machining Capacity							
X travel	mm	5500	6500	8500	5500	6500	8500
Y travel	mm	3200	3200	3200	3600	3600	3600
Z travel	mm	1000	1000	1000	1250	1250	1250
Distance between columns	mm	3200	3200	3200	3600	3600	3600
Spindle nose to table surface	mm	150-1150	150-1150	150-1150	100-1350	100-1350	100-1350
» Table							
Table size	mm	2500×5000	2500×6000	2500×8000	3000×5000	3000×6000	3000×8000
Max. table loading	t	25	28	35	28	35	40
T slot size		12×28×200	12×28×200	12×28×200	14×28×200	14×28×200	14×28×200
» Feed Rate							
Cutting feedrate(X/Y/Z)	m/min	6/10/10	6/10/10	6/10/10	10/10/10	10/10/10	10/10/10
Rapid traverse(X/Y/Z)	m/min	10/15/15	10/15/15	10/15/15	10/15/12	10/15/12	10/15/12
» Spindle							
Drive type		Built-in spindle	Built-in spindle	Built-in spindle	Built-in spindle	Built-in spindle	Built-in spindle
Max. Spindle speed	rpm	6000	6000	6000	6000	6000	6000
Spindle power	kW	22/25	22/25	22/25	22/25	22/25	22/25
Spindle torque	N.m	505/600	505/600	505/600	505/600	505/600	505/600
Spindle taper		BT50	BT50	BT50	BT50	BT50	BT50
Ram section	mm	420×430	420×430	420×430	430×430	430×430	430×430
» Tool Magazine (Option)							
Tool magazine capacity	T	24/40	24/40	24/40	24/40	24/40	24/40
Tool shank type		BT50	BT50	BT50	BT50	BT50	BT50
Max.tool dia. (Adjacent Vacant)	mm	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220	Φ110/Φ220
Max. tool length	mm	300	300	300	400	400	400
Max. tool weight	kg	20	20	20	20	20	20
» Other							
Power capacity	kVA	55	55	55	80	80	80
Machine weight	t	64	71	85	79	87	106
Machine size(L×W×H)	cm	1500×580×580	1700×580×580	2100×580×580	1500×620×695	1700×620×695	2100×620×695

Standard Configuration

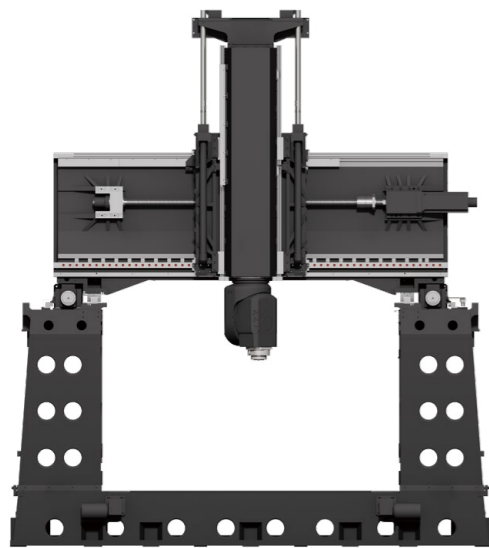
1. Controller: FANUC 0i
2. Built-in spindle (Hision)
3. Spindle oil chiller
4. Pneumatic, hydraulic and lubrication system
5. Simple splash guard
6. Automatic internal chip removal
7. Cutting cooling
8. 3-color signal lamp, working light
9. Standard accessories
10. Maintenance tools
11. External chain type chip conveyor



HIGH SPEED FIVE AXIS/ELEVATED GANTRY PENTAHEDRON MILLING CENTER

BM/BFM

It is integrated with the concept of high dynamic performance processing, so that it has the characteristics of high speed and high precision required for processing complex surfaces. It is widely used in large-scale mold surface processing, multi angle deep cavity slot type mold processing, large and medium-sized automobile panel gauge processing, etc.



Integrated Structure of Worktable Bed Viaduct Type Gantry Frame

- The integrated structure foundation of bed and workbench is made of high-strength high-quality cast iron with strong rigidity and good shock absorption.
- Constant inertia design concept ensures that the machine tool has excellent static and dynamic characteristics and thermal stability.
- The ram and saddle are made of ductile iron with strong overturning resistance and stable structure. Ensure that the whole machine has high frequency and avoid cutting vibration.

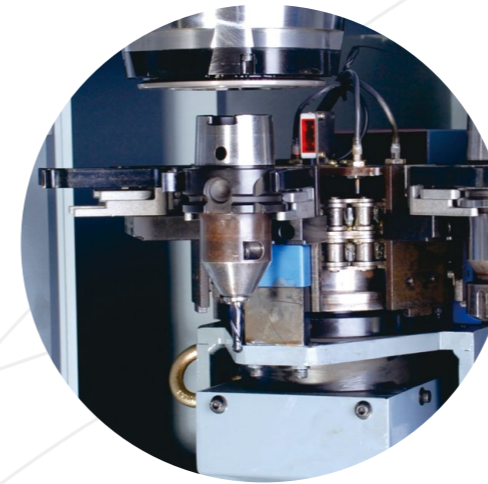


Kessler Five-Axis Head (AC)

- Imported from Germany with original packaging.
- HSK-A63 tool taper, with the advantages of high speed and wide constant power range, is the preferred spindle for high hardness die finishing.
- Realize the effect of surface finish by milling instead of grinding.

Tool Magazine

- It can be equipped with 20 tool magazines with stable action and fast tool change speed.
- It can also be equipped with tool magazine protection to prevent iron chips from entering the non processing area.



Convenient Daily Maintenance

- The machine tool is fully protected around.
- Compact structure.
- The electrical system, hydraulic, pneumatic and lubrication systems are under centralized control, which is convenient for maintenance and operation.



Control System

- Heidelberg TNC640 system is adopted with three loop feedback cascade control.
- It has fine interpolation function and RTCP five axis linkage milling function to meet the high efficiency and high precision machining of parts.



BFM

Items	Unit	BFM3020	BFM2025
» Machining Capacity			
X travel	mm	2200	2500
Y travel	mm	3700	2000
Z travel	mm	800	800
A rotary range	°	±105	±105
C rotary range	°	±200	±200
Distance between columns	mm	4350	2700
Spindle nose to table surface		240 ~ 1040	500 ~ 1300
Spindle horizontal center line to worktable	mm	465 ~ 1265	725 ~ 1525
» Table			
Table size	mm	3000×2000	2200×2500
Table loading	t/m ²	5	7
T slot size		28×250	22×200
» Feed Rate			
Cutting feedrate(X/Y/Z)	m/min	10/10/15	15/15/15
Rapid traverse(X/Y/Z)	m/min	12/15/15	15/20/15
» Spindle			
Drive type		Built-in spindle	Built-in spindle
Max. Spindle speed	rpm	24000	24000
Spindle power	kW	20/26	20/26
Spindle torque	N.m	26/34	26/34
Spindle taper		HSK-A63	HSK-A63
» Tool Magazine (Option)			
Tool magazine capacity	T	24	20
Max.tool dia. (Adjacent Vacant)	mm	Φ75/Φ120	Φ63
Max. tool length	mm	270	270
Max. tool weight	kg	6	6
» Other			
Power capacity	kVA	110	110
Machine weight	t	57	35
Machine size(L×W×H)	cm	803×757×566	650×540×520

Standard Configuration

1. Controller: HEIDENHAIN TNC640
2. Kessler A/C micro single pendulum head
3. KESSLER-24000rpm built-in spindle
4. Spindle bearing oil mist lubrication system
5. Spindle and A/C axis cooling system
6. Grease lubrication system for coordinate axes
7. Pneumatic system
8. Hydraulic system
9. Spindle nose air seal
10. Z axis hydraulic balance system
11. X/Y/Z axis linear scale
12. Chip removal device at the front of table
13. Cutting cooling and large capacity water tank
14. Full enclosure without top
15. Electronic lock of guard door
16. Portable operating cell box
17. 3-color signal lamp, working light
18. AC for electric cabinet
19. Standard accessories
20. External chain type chip conveyor

BM

Items	Unit	BM3040	BM3060	BM4050	BM4060
» Machining Capacity					
X travel	mm	4100	6000	5000	6000
Y travel	mm	3700	3700	4300	4300
Z travel	mm	1250	1250	1250	1250
Distance between columns	mm	4350	4350	4950	4950
Spindle nose to table surface	mm	250 ~ 1500	250 ~ 1500	250 ~ 1500	250 ~ 1500
» Table					
Table size	mm	3000×4000	3000×6000	4000×5000	4000×6000
Table loading	t/m ²	5	5	5	5
T slot size		28×250	28×250	28×250	28×250
» Feed Rate					
Cutting feedrate(X/Y/Z)	m/min	10/10/10	10/10/10	10/10/10	10/10/10
Rapid traverse(X/Y/Z)	m/min	12/15/10	15/15/10	10/15/10	15/15/10
» Spindle					
Drive type		Gear box	Gear box	Gear box	Gear box
Max. Spindle speed	rpm	4000	4000	4000	4000
Spindle power	kW	22/26	22/26	22/26	22/26
Spindle torque	N.m	866/1023	866/1023	866/1023	866/1023
Spindle taper		BT50	BT50	BT50	BT50
» Tool Magazine (Option)					
Tool magazine capacity	T	40	40	40	40
Max.tool dia. (Adjacent Vacant)	mm	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250	Φ125/Φ250
Max. tool length	mm	400	400	400	400
Max. tool weight	kg	25	25	25	25
» Other					
Power capacity	kVA	70	70	70	70
Machine weight	t	68	78	80	86
Machine size(L×W×H)	cm	1003×757×566	1203×757×566	1103×817×566	1203×817×566

Standard Configuration

1. Controller: FANUC 0i
2. Gear box drive
3. Z axis hydraulic balance system
4. Spindle oil chiller
5. Pneumatic, hydraulic and lubrication system
6. Full enclosure without top
7. Automatic internal chip removal
8. Cutting cooling
9. 3-color signal lamp, working light
10. Standard accessories
11. Maintenance tools