

WEIDA



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INTELLIGENT MACHINERY CO., LTD.**

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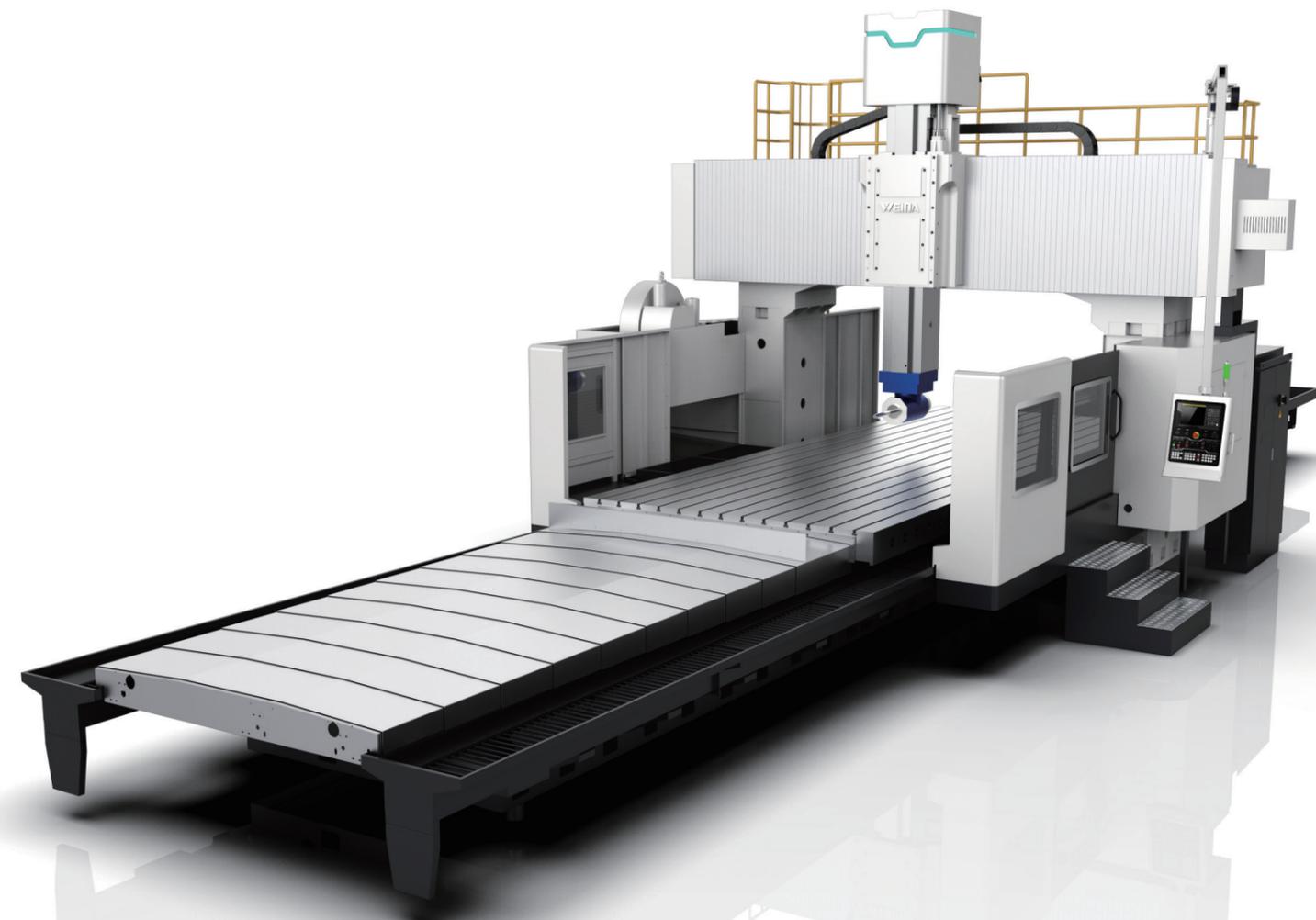
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# 山东威达精工

SHANDONG WEIDA PRECISION INTELLIGENT MACHINERY CO., LTD.



## GANTRY TYPE MACHINING CENTER

# 30 强 机床工具

TOP 30 MACHINE TOOL

## 使命 THE MISSION

CREATE VALUE FOR CUSTOMERS  
AND DEVELOP WITH THEM

## 愿景 THE VISION

WE ARE COMMITTED TO  
BECOMING AN INTERNATIONALLY  
RESPECTED MACHINE  
TOOL MANUFACTURER



### 真诚合作

SINCERE  
COOPERATION



### 共同发展

MUTUAL  
DEVELOPMENT



## Company Profile

Situated in the scenic hometown of Mo-tse — Tengzhou city, Shandong Province, Shandong Weida Precision Intelligent Machinery Co., Ltd. is a large-scale joint-stock enterprise with the right of Import&Export. It covers an area 500,000 square meters, the building zone is about 350,000 square meters, and the total assets is more than RMB1 billion, there are 365 engineers, the main processing equipment is imported from Germany Waldrich Corburg guide grinder, Heckert, Heller and DMG horizontal machining center, Japan Okuma, New Japan SNK gantry type five-face boring and milling center, 132 sets of testing and debugging equipment. The company has set up a scientific research achievement transformation base in cooperation with Shandong University, cooperated with Huazhong University of Science and Technology in industry-university research, which composed of Technology research and Development Center, Information Data Processing Center, Product Inspection & Testing Center and Metrology room. In 2022, setting up a horizontal CNC machine tool engineering research center in Shandong Province.



## Business Fields

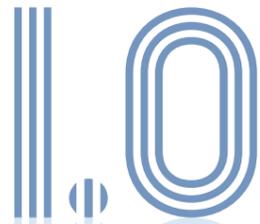
In recent years, through the combination of absorbing advanced technology from abroad, cooperating with scientific research institutes and self-development and design, the main products have developed to 8 series: Automatic production line, Bridge type five-axis gantry machining center series, Gantry type/Vertical/Horizontal machining center series, CNC milling machine series, Horizontal boring and milling machine series, Radial drilling machine series, CNC lathe machine series, Milling/Drilling machine series, altogether more than 90 specifications. With stable capability & reliable quality, the products are widely sold both in home and abroad market, covering more than 70 countries and regions, especially Europe & America market.



## Professional Certifications

WEIDA company pursues the quality strategy of creating famous brand and excellent reputation. It has obtained ISO9001:2015 Standard Quality System Certification, ISO14001:2015 Environmental Management System Certification, ISO45001:2018 Occupational Health And Safety Management System Certification from CQC accreditation body; EU "CE" certification; National High-tech Enterprise; Shandong Province "Specialized and Special New" Enterprise; In 2022, we passed the certification of two integration management system.

From 2011 to 2021, we were multiply honored as one of the "Top Ten Export Enterprises in China Machine Tool Industry"; In 2014, the company undertook the Science and Technology Major Special Project of "National High-grade CNC Machine Tools and Basic Manufacturing Equipment" ; The XH2130 CNC Gantry Boring and Milling Center and DMC1300 Gantry Machining Center independently designed and developed by WEIDA won the "National Chunyan Award"; it was awarded as one of the Top 30 Enterprises in China Machine Tool Industry for three consecutive years in 2015, 2016 and 2017.



# 品质&精度

QUALITY ACCURACY

THE RELENTLESS PURSUIT OF QUALITY AND PRECISION IS THE CHARACTERISTICS OF WEIDA AND ITS STAFF



# 产品展示目录

PRODUCT CATALOGUE



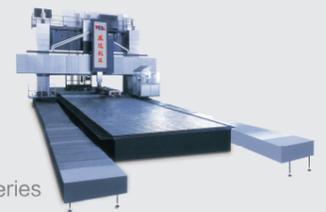
05-08

桥式五轴加工中心系列 Bridge type five axis machining center series



09-12

动梁动柱龙门加工中心系列 Moving beam and column gantry machining center series



13-26

动台龙门加工中心系列 Moving table gantry machining center series



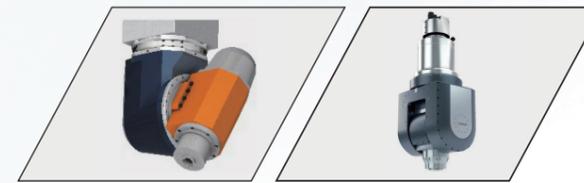
## 性能特点 PERFORMANCE

- Suitable for various machining fields such as automobile mold, aerospace, printing, packaging, textile, military industry, etc.
- The floor area of the bridge-type gantry structure is about 56% of the traditional machine which is with table moving.
- The column adopts "honeycomb type" bionic structure design, which has high structural rigidity.
- Balancing cylinders are arranged symmetrically on both sides of the ram, and the Z-axis has a fast response speed.
- Fixed table with double load capacity, and the machining characteristics of the machine tool are not affected by the quality of the workpiece.
- The integrated bed worktable and column form a U-shaped frame structure with strong structural rigidity and high stability.
- The long-span and high-rigidity gantry welded beam with the cable fine-tuning mechanism effectively solves the problem that the long-span beam has low long-term accuracy and cannot be adjusted.
- X, Y, and Z axes adopt the "hollow lead screw" and "nut circulation oil cooling" technology, which can effectively control the impact of temperature rise on machine accuracy.
- X, Y, and Z axes adopt heavy-duty linear roller guides with high load capacity.
- X, Y, Z axis adopt grease lubrication system, which is both environmental and reliable.
- X and Z axes adopt double ball screw synchronous dual drive technology.

## 配置 CONFIGURATION

- Germany KESSLER HSK-A63 Double-armed cross-type five-axis milling head, torque motor direct drive, permanent accuracy. Encoder direct measurement, absolute accuracy. A/C axis speed:100rpm, A/C axis braking torque: 2160/3024Nm, A/C axis cooling: constant temperature watercooling
- Equipped with Germany BLUM laser tool setting probe, which can realize fast tool setting, and is stable and reliable
- Each axis is equipped with scales, full closed-loop control to improve accuracy and reliability.
- Standard equipped with Siemens 840DSL CNC controller
- 24pcs umbrella type tool magazine
- Horizontal chain type chip conveyor
- Optional HEIDENHAIN TNC640 system
- Automatic tool measuring system and automatic workpiece measuring system
- 15000rpm- (HSK- A100) high rigidity electric spindle
- Optional 40pcs tool magazine

Main specifications	Unit	GMC2232bu	GMC2242bu	GMC2742bu	GMC3262bu
X-axis travel	mm	2200	4200	4200	6200
Y-axis travel	mm	3200	2200	2700	3200
Z-axis travel	mm	1250	1250	1250	1250
Distance from spindle nose to table surface	mm	250-1500	250-1500	250-1500	250-1500
Distance between two columns	mm	4000	3000	3500	4000
Worktable size	mm	3200X2200	4000X2000	4000X2500	6000X3000
Max.load of worktable	kg/m <sup>2</sup>	5000	5000	5000	5000
T-slot (Width-No.-Distance)	mm	28-13-240	28-9-220	28-11-220	28-13-220
Spindle taper	--	HSK-A63	HSK-A63	HSK-A63	HSK-A63
Max. Spindle speed	rpm	18000	18000	18000	18000
Main motor power	kW	56/70	56/70	56/70	56/70
Spindle torque	N.m	89/111	89/111	89/111	89/111
Max. Swing/rotation speed	rpm	A=100 C=100	A=100 C=100	A=100 C=100	A=100 C=100
Max. Swing/rotation torque	N.m	A=1200 C=1100	A=1200 C=1100	A=1200 C=1100	A=1200 C=1100
Holding force	N.m	A=2160 C=3024	A=2160 C=3024	A=2160 C=3024	A=2160 C=3024
Swing/rotation angle	°	A=±105 C=±240	A=±105 C=±240	A=±105 C=±240	A=±105 C=±240
Rapid feed speed(X/Y/Z)	mm/min	15000/15000/15000	15000/15000/15000	15000/15000/15000	15000/15000/15000
Cutting feed speed(X/Y/Z)	mm/min	1-12000/1-12000/1-12000	1-6000/1-6000/1-12000	1-6000/1-6000/1-12000	1-6000/1-6000/1-12000
Positioning accuracy(X/Y/Z)	mm	0.014/0.016/0.012	0.020/0.014/0.012	0.020/0.016/0.012	0.030/0.016/0.012
Repeat positioning accuracy(X/Y/Z)	mm	0.010/0.012/0.008	0.016/0.010/0.008	0.016/0.012/0.008	0.024/0.012/0.008
Total power capacity	kVA	150	150	150	150
Machine weight	kg	62000	68000	71000	96000
Overall dimensions	mm	8600X6100X6600	8200X7600X6600	8200X8100X6600	10200X8600X6600



GMC 2232bu / GMC 2242bu

GMC 2742bu / GMC 3262bu

五轴桥式高速龙门加工中心

# GMC/3262bu

FIVE-AXIS BRIDGE TYPE HIGH-SPEED GANTRY MACHINING CENTER

## 性能特点 PERFORMANCE

- Suitable for various machining fields such as automobile mold, aerospace, printing, packaging, textile, military industry, etc.
- The floor area of the bridge- type gantry structure is about 56% of the traditional machine which is with table moving.
- Fixed table with double load capacity, and the machining characteristics of the machine tool are not affected by the quality of the workpiece.
- The X-axis of the cross beam is designed with a double column and center of gravity drive structure to improve the stability of machining.
- X, Y axes adopt heavy-duty linear rolling guide way, Z axis square ram box guideway structure.
- The cross beam adopts the combination of vertical orthogonal linear guide and box guide way
- X-axis synchronous dual drive with full closed-loop control to improve accuracy and reliability.
- Three-axis with independent lubrication oil recovery system.
- Balancing cylinders are arranged symmetrically on both sides of the ram, and the Z- axis has a fast response speed.
- The spindle adopts WEIDA two-speed gear box with high output torque.

## 配置 CONFIGURATION

### STANDARD

- FANUC 0i - MF Plus CNC controller
- Spindle temperature control water cooler
- X-axis synchronous dual drive with full closed-loop linear scale
- Double screw type and transverse chain type chip conveyor
- Three-axis with Germany precision planetary reducer

### OPTION

- Siemens 828D CNC controller
- Automatic tool measuring system and automatic workpiece measuring system.
- 2Mpa, 5Mpa, 7Mpa CTS
- 24pcs,32pcs tool magazine
- Automatic exchange milling head with head magazine, automatic 5° indexing, tooth disc positioning, indexing accuracy ±3"

Main specifications	Unit	GMC2232b	GMC2732b	GMC3242b	GMC4252b	GMC42120b
X-axis travel	mm	3200	3200	4200	5200	12200
Y-axis travel	mm	2200	2700	3200	4200	4200
Z-axis travel	mm	1000	1250	1250	1250	1250
Distance from spindle nose to table surface	mm	300-1300	300-1550	300-1550	400-1650	400-1650
Distance between two columns	mm	2800	3300	3800	4800	4800
Worktable size	mm	3000X2000	3000X2500	4000X3000	5000X4000	12000X4000
Max.load of worktable	kg	30000	38000	60000	100000	240000
T-slot (Width-No.-Distance)	mm	28-9-220	28-11-220	28-13-220	36-3-1000 ( width ) / 36-8-600 ( length )	36-3-1000 ( width ) / 36-8-600 ( length )
Spindle taper	--	BT50	BT50	BT50	BT50	BT50
Max. Spindle speed	rpm	3000	3000	3000	3000	3000
Main motor power	kW	22/26	30/37	30/37	30/37	30/37
Spindle torque	N.m	716/846	1274/1572	1274/1572	1274/1572	1274/1572
Rapid feed speed(X/Y/Z)	mm/min	15000/15000/10000	12000/12000/8000	10000/10000/8000	10000/10000/8000	10000/10000/8000
Cutting feed speed(X/Y/Z)	mm/min	1-6000/1-6000/ 1-6000	1-6000/1-6000/ 1-6000	1-6000/1-6000/ 1-6000	1-6000/1-6000/ 1-6000	1-6000/1-6000/ 1-6000
Positioning accuracy(X/Y/Z)	mm	0.018/0.016/0.018	0.018/0.018/0.020	0.023/0.020/0.020	0.028/0.025/0.020	0.065/0.025/0.020
Repeat positioning accuracy(X/Y/Z)	mm	0.014/0.012/0.012	0.014/0.014/0.013	0.016/0.015/0.013	0.020/0.018/0.013	0.055/0.018/0.013
Total power capacity	kVA	70	80	80	80	95
Machine weight	kg	48000	52000	62000	80000	142000
Overall dimensions	mm	6350X5350X5500	6350X5850X6120	7550X6450X6120	8500X7800X6120	18800X7800X6120



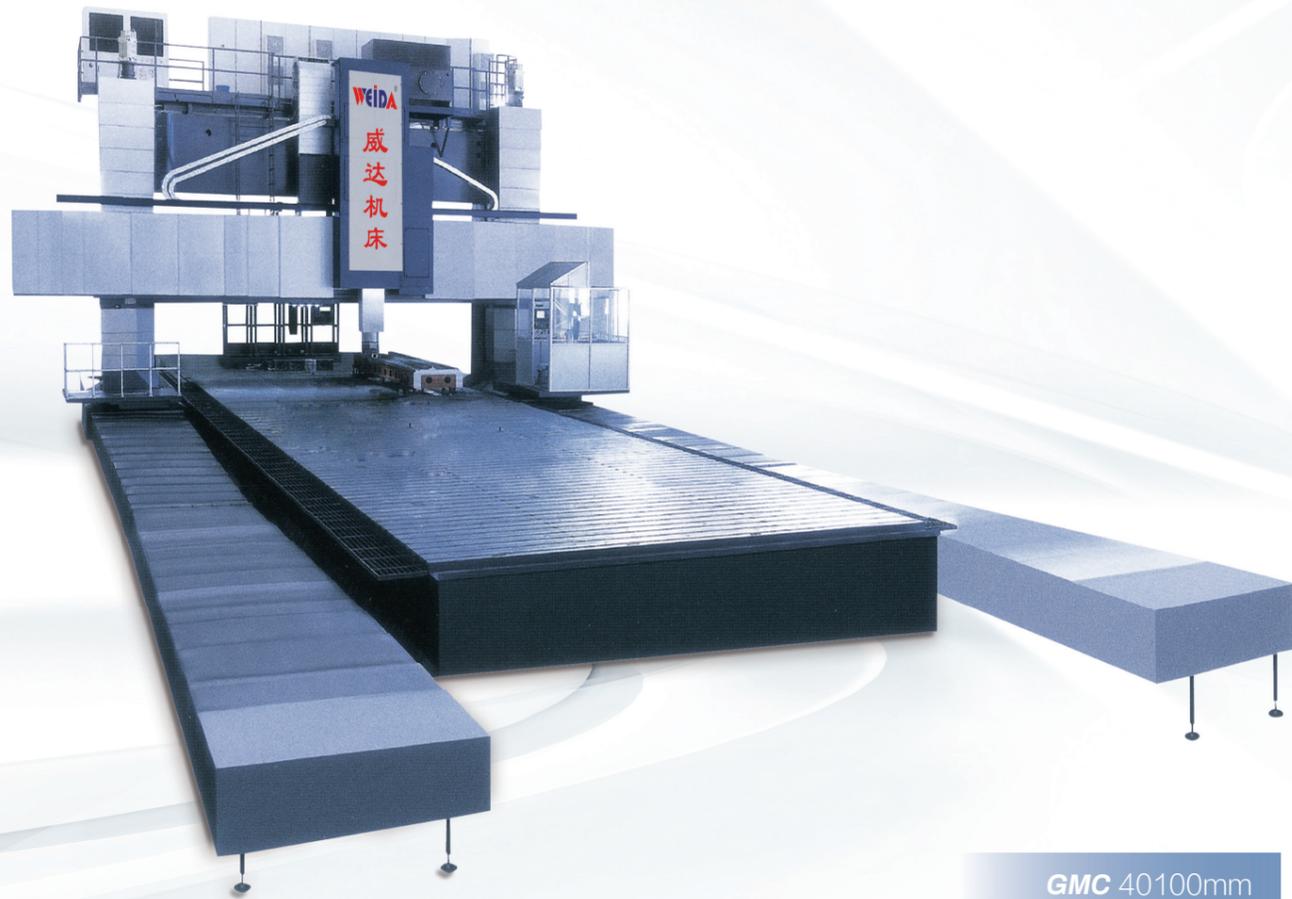
GMC 2232b / GMC 2732b / GMC 3242b

GMC 4252b / GMC 42120b

桥式高速龙门加工中心

# GMC/4252b

BRIDGE TYPE HIGH-SPEED GANTRY MACHINING CENTER



GMC 40100mm  
GMC 40160

动柱动梁龙门式五面加工中心

# GMC/40160

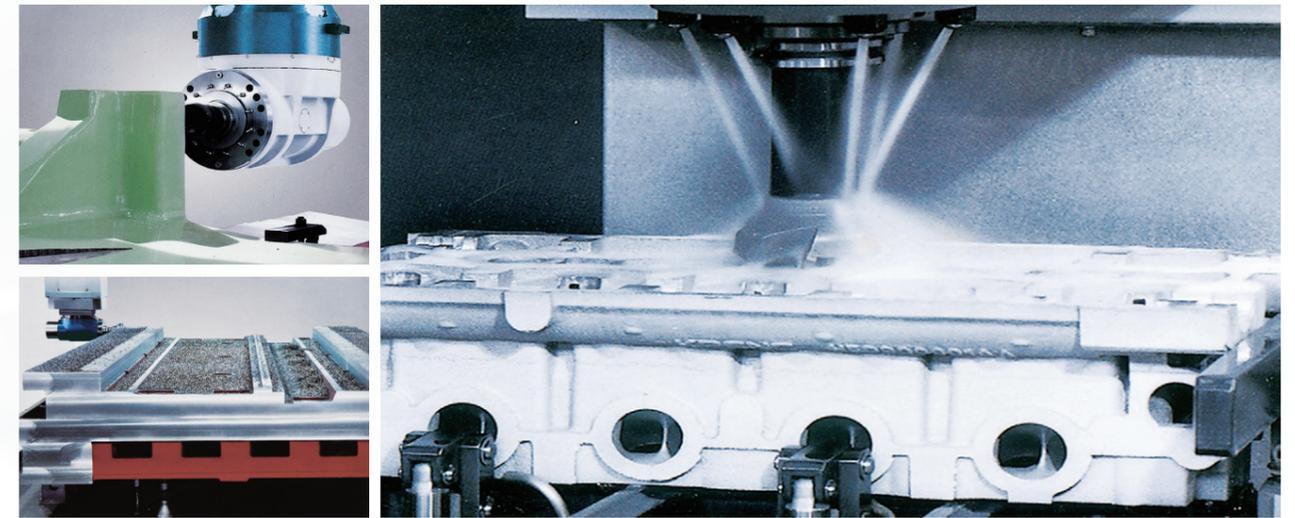
MOVING COLUMN AND BEAM GANTRY TYPE FIVE-FACE MACHINING CENTER

性能特点 PERFORMANCE

- The basic parts of the machine tool are made of high-quality high-strength castings with a gantry frame structure. The whole machine has good rigidity, shock resistance and precision retention
- Drilling, expanding,reaming, tapping and other processes to realize five-sided processing.
- Especially suitable for processing box parts and miscellaneous parts in industries such as automobiles,aerospace, metallurgy and mining, machine tool manufacturing,etc.

配置 CONFIGURATION

- |  |   |
|--|---|
| <p><b>STANDARD</b></p> <ul style="list-style-type: none"> <li>- Siemens 840D controller</li> <li>- Gearbox full gear transmission</li> <li>- Z-axis hydraulic balance</li> <li>- X,W full closed loop linear scale</li> <li>- Spindle constant temperature cooling system</li> </ul> | <p><b>OPTION</b></p> <ul style="list-style-type: none"> <li>- 40pcs chain type tool magazine</li> <li>- Auto chip removal system</li> <li>- Z,Y full closed loop linear scale</li> <li>- Various automatic milling heads</li> </ul> |
|--|---|



Main specifications	Unit	GMC40100mm	GMC40160
X-axis travel	mm	10600	16600
Y-axis travel	mm	5500	5500
Z-axis travel	mm	1250	1250
W-axis travel	mm	2250	2250
Distance between two columns	mm	5100	5100
Worktable size	mm	10000X4000	16000X4000
Max.load of worktable	T / m <sup>2</sup>	15	15
T-slot (Width)	mm	36	36
Spindle taper	--	BT50	BT50
Max. Spindle speed	rpm	2000	2000
Main motor power	kW	37/51	37/51
Spindle torque	N.m	2300/3170	2300/3170
Rapid feed speed(XY/Z)	mm/min	10000/10000/8000/2000	10000/10000/8000/2000
Cutting feed speed(XY/Z)	mm/min	1-6000/1-6000/1-6000/1-2000	1-6000/1-6000/1-6000/1-2000
Positioning accuracy(XY/Z)	mm	0.055/0.035/0.020	0.065/0.035/0.020
Repeat positioning accuracy(XY/Z)	mm	0.038/0.028/0.013	0.045/0.028/0.013
Total power capacity	kVA	180	180
Machine weight	kg	170000	240000
Overall dimensions	mm	19000X11000X9000	25000X11000X9000

**性能特点** PERFORMANCE

- Machine adopts a square double-column gantry structure. The lower part of column is closely connected with the bed, and the upper part is closely connected with the top beam and the connecting beam to form a closed gantry frame. The bed, column and beam have large cross-sections, large bearing capacity, good rigidity, and high precision retention, it can resist heavy cutting and keep high precision for a long time. The inside span of the gantry is large, W and Z axes travel are long, the passability is good, machining range is wide.
- The machine can be equipped with kinds of auto or manual milling head, five-side processing of parts can be finished automatically in one-time clamping, greatly improve working efficiency and save costs.

**配置** CONFIGURATION

**STANDARD**

- Fanuc 31i CNC controller
- Germany ZF gear box
- W axis, Z axis hydraulic balance system
- Automatic chip removal device

**OPTION**

- Siemens 840DSL CNC controller
- Vertical and horizontal servo tool magazine(40T/60T)
- Full closed linear scale
- Various automatic milling heads



Main specifications	Unit	GMC3080	GMC30100
X-axis travel	mm	8500	10500
Y-axis travel	mm	5300	5300
Z-axis travel	mm	1200	1200
W-axis travel	mm	2250	2250
Distance between two columns	mm	3600	3600
Worktable size	mm	8000X3000	10000X3000
Max.load of worktable	kg	35000	45000
T-slot (Width-No.-Distance)	mm	36-32-250	36-40-250
Spindle taper	--	BT50	BT50
Max. Spindle speed	rpm	3000	3000
Main motor power	kW	45/55	45/55
Spindle torque	N.m	2000/2500	2000/2500
Rapid feed speed(X/Y/Z)	mm/min	10000/10000/10000/12000	10000/10000/10000/12000
Cutting feed speed(X/Y/Z)	mm/min	1-6000/1-6000/1-6000	1-6000/1-6000/1-6000
Positioning accuracy(X/Y/Z)	mm	0.045/0.032/0.018	0.055/0.032/0.018
Repeat positioning accuracy(X/Y/Z)	mm	0.035/0.022/0.012	0.045/0.022/0.012
Total power capacity	kVA	90	90
Machine weight	kg	205000	255000
Overall dimensions	mm	26000X10000X9300	28500X10000X9300



GMC 3080

GMC 30100

龙门式动梁五面体加工中心

**GMC/30100**

CNC GANTRY-TYPE MOVABLE BEAM FIVE-FACE MACHING CENTER

## 性能特点 PERFORMANCE

- It is the preferred processing equipment for construction machinery, rolling stock, mining equipment, turbines, ships, military, nuclear power, large environmental protection equipment and other industrial sectors.
- The moving column type CNC gantry milling machine is a typical tool-moving machine, with the advantages of fixed mass of moving parts, relatively unlimited workpiece weight and small footprint, which is the main stream structure form of large machine tools.
- Equipped with kinds of milling heads to extend the machining range and increase the machining efficiency, enabling multi-surface and multi-process machining.

## 配置 CONFIGURATION

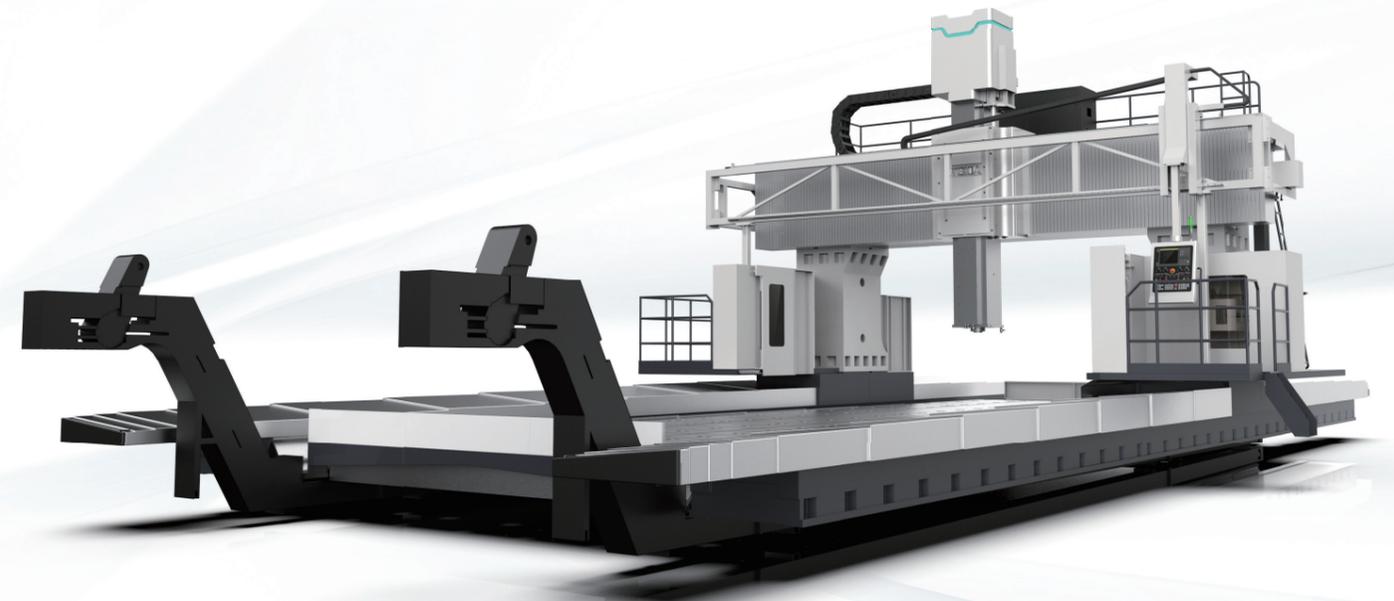
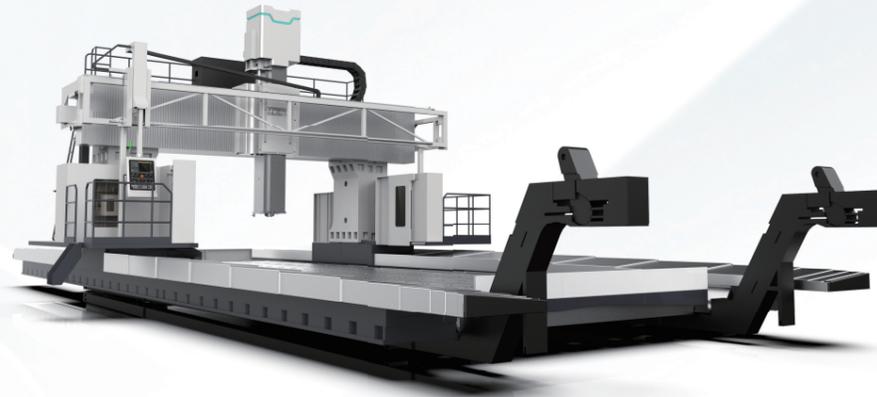
### STANDARD

- Fanuc 0i-MF PLUS CNC controller
- Spindle gear box
- X-axis with linear scale
- Double chain plate chip conveyor

### OPTION

- Siemens 828D CNC controller
- CTS
- Germany ZF gear box/Italy BF gear box
- Automatic side milling head

Main specifications	Unit	GMC30100fm	GMC40100fm	GMC40140fm
X-axis travel	mm	10600	10600	14600
Y-axis travel	mm	4500	5500	5500
Z-axis travel	mm	1500	1500	1500
Distance from spindle nose to table surface	mm	250-1750	250-1750	250-1750
Distance between two columns	mm	4100	5100	5100
Worktable size	mm	10000X3000	10000X4000	14000X4000
Max.load of worktable	T / m <sup>2</sup>	15	15	15
T-slot (Width)	mm	28	36	36
Spindle taper	--	BT50	BT50	BT50
Max. Spindle speed	rpm	3000	3000	3000
Main motor power	kW	30/37	30/37	30/37
Spindle torque	N.m	1270/1560	1270/1560	1270/1560
Ram cross section	mm	500X500	500X500	500X500
Rapid feed speed(X/Y/Z)	mm/min	10000/10000/8000	10000/10000/8000	10000/10000/8000
Cutting feed speed(X/Y/Z)	mm/min	1-6000/1-6000/1-6000	1-6000/1-6000/1-6000	1-6000/1-6000/1-6000
Positioning accuracy(X/Y/Z)	mm	0.055/0.032/0.022	0.055/0.035/0.022	0.011/1000/0.035/0.022
Repeat positioning accuracy(X/Y/Z)	mm	0.038/0.022/0.015	0.038/0.028/0.015	0.008/1000/0.028/0.015
Total power capacity	kVA	120	120	120
Machine weight	kg	110000	130000	150000
Overall dimensions	mm	19000X8200X7200	19000X9200X7200	23000X9200X7200



GMC 30100fm

GMC 40100fm / GMC 40140fm

定梁动柱龙门式加工中心

# GMC/40140fm

FIXED BEAM MOVING COLUMN GANTRY MACHINING CENTER

性能特点 PERFORMANCE

- Applicable to various mechanical processing fields such as automobile, ship, printing, packaging, textile, military, mold and so on
- Heavy-duty linear guide ways on X, Y, Z axis square ram box guide way
- High-precision rack and pinion transmission on X axis, double motors and double planetary reducers for electrical backlash elimination
- Balancing cylinders are arranged symmetrically on both sides of the ram for fast Z-axis response.
- Three axes independent lubricant recovery system
- The cross beam adopts the composite guide rail form of orthogonal linear guide rail combined with a hard rail

配置 CONFIGURATION

STANDARD

- Fanuc Oi-MF PLUS CNC controller
- WEIDA gear box
- Automatic milling head, indexing 5degree, positioning of tooth plate, indexing accuracy +/- 3"
- Head magazine
- Three axis Germany precision planetary reducer
- Arm type tool magazine

OPTION

- Siemens 828D CNC controller
- Chain type vertical and horizontal exchange tool magazine
- 2Mpa, 5Mpa, 7Mpa CTS
- Automatic tool measuring system and workpiece measuring system
- ①right-angle milling head ②Universal milling head ③Extended milling head ④ Narrow right angle extension milling head



Automatic exchange extension head



Compact structure, automatic head exchange, reducing machining assistance time and improving machining efficiency

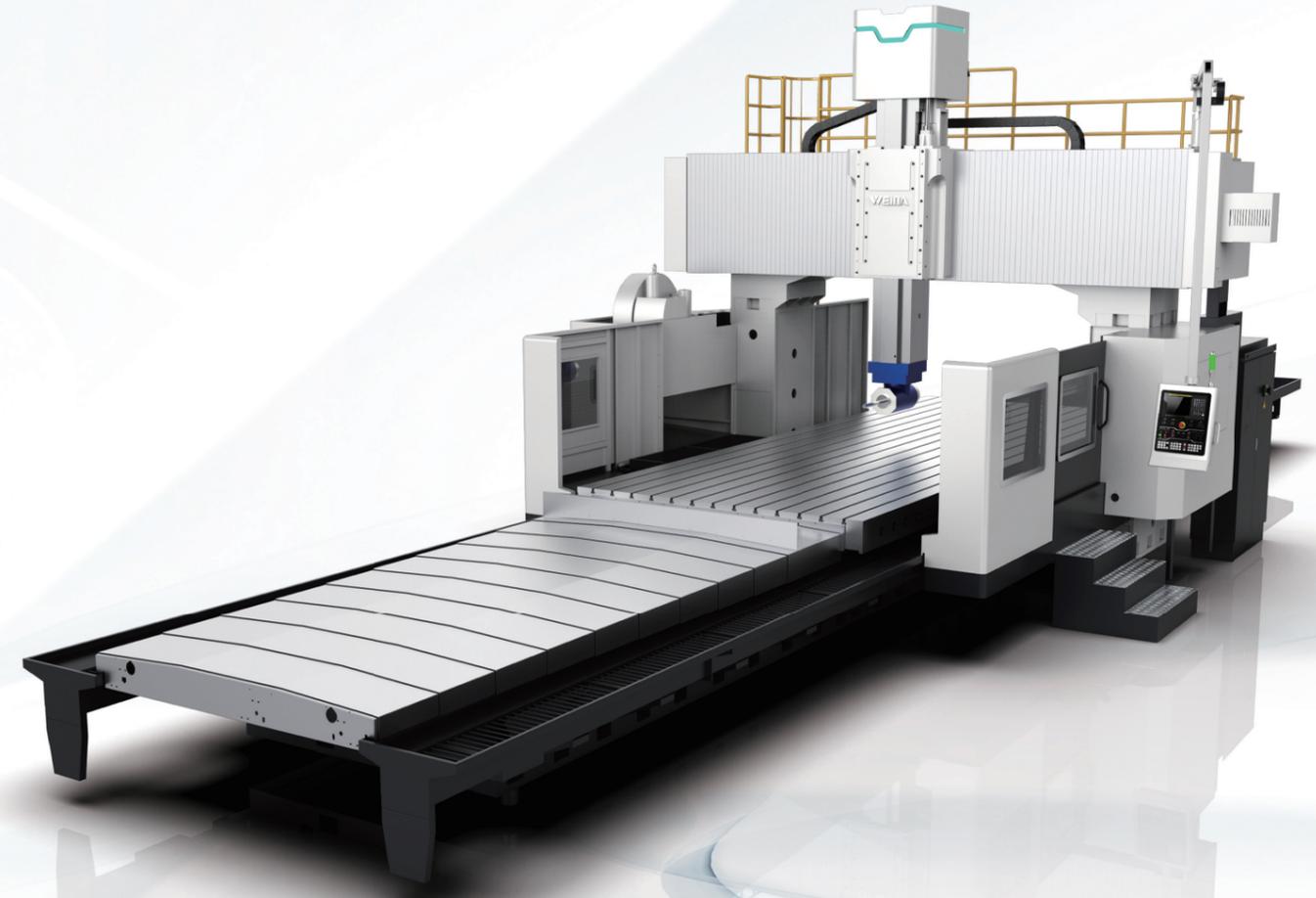
Column rotating head magazine



High precision double motor backlash elimination transmission mechanism

Double motor gap elimination drive mechanism

Main specifications	Unit	GMC3060u	GMC3080u	GMC30100u
X-axis travel	mm	6200	8200	10500
Y-axis travel	mm	4200	4200	4200
Z-axis travel	mm	1250	1250	1250
Distance from spindle nose to table surface	mm	250-1500	250-1500	250-1500
Distance between two columns	mm	3800	3800	3800
Worktable size	mm	6000X3000	8000X3000	10000X3000
Max.load of worktable	kg	25000	35000	45000
T-slot (Width-No.-Distance)	mm	28-13-220	28-13-220	28-13-220
Spindle taper	--	BT50	BT50	BT50
Max. Spindle speed	rpm	3000	3000	3000
Main motor power	kW	30/37	30/37	30/37
Spindle torque	N.m	1270/1560	1270/1560	1270/1560
Ram cross section	mm	450X450	450X450	450X450
Rapid feed speed(X/Y/Z)	mm/min	10000/10000/10000	10000/10000/10000	10000/10000/10000
Cutting feed speed(X/Y/Z)	mm/min	1-6000/1-6000/1-6000	1-6000/1-6000/1-6000	1-6000/1-6000/1-6000
Positioning accuracy(X/Y/Z)	mm	0.035/0.032/0.020	0.045/0.032/0.020	0.055/0.032/0.020
Repeat positioning accuracy(X/Y/Z)	mm	0.025/0.022/0.013	0.035/0.022/0.013	0.038/0.022/0.013
Total power capacity	kVA	60	60	60
Machine weight	kg	90000	105000	120000
Overall dimensions	mm	18600X6900X6700	22600X6900X6700	26600X6900X6700



GMC 3060u / GMC 3080u

GMC 30100u

龙门五面加工中心

# GMC/3080u

CNC GANTRY TYPE FIVE-FACE MACHINING CENTER

## 性能特点 PERFORMANCE

- Suitable for large workpiece's precision machining of aerospace, automotive, textile machinery, molds, packaging machinery, mining equipment etc. It can automatically complete multi-process complex processing of milling, drilling, boring, tapping etc.
- The basic parts of the machine are made of high-quality high-strength castings and gantry frame structure. The whole machine has good rigidity, shock resistance and precision retention.
- Fixed beam structure, the cross beam adopts the composite guide rail form of orthogonal linear guide rail combined with a hard rail, with good rigidity
- Heavy load linear guide way on X,Y axis square ram box guide way to ensure the rigidity of Z feed and the retention of high precision feed.
- Taiwan famous brand high speed unit(6000rpm), which can choose spindle speed 3000,4000,6000rpm.

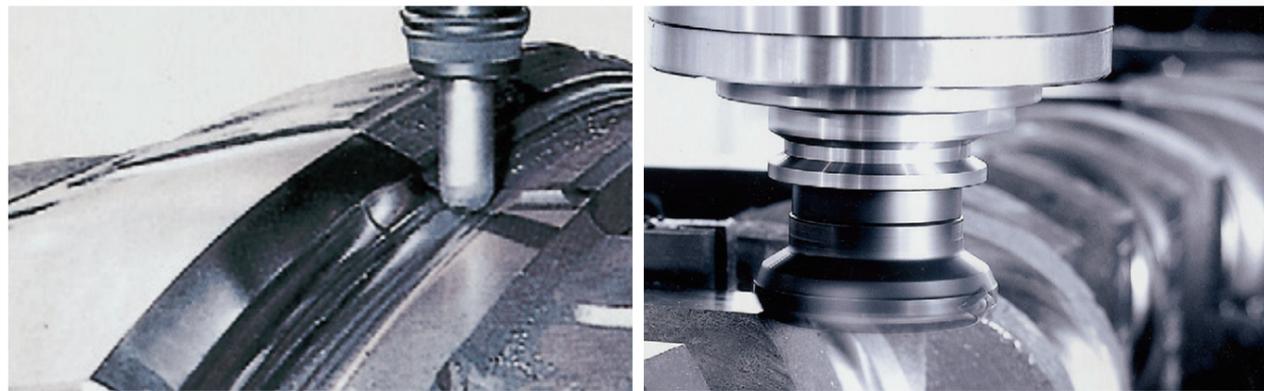
## 配置 CONFIGURATION

### STANDARD

- Fanuc 0i-MF PLUS CNC controller
- Spindle gear box
- Automatic lubrication system
- 24 pcs arm type tool magazine

### OPTION

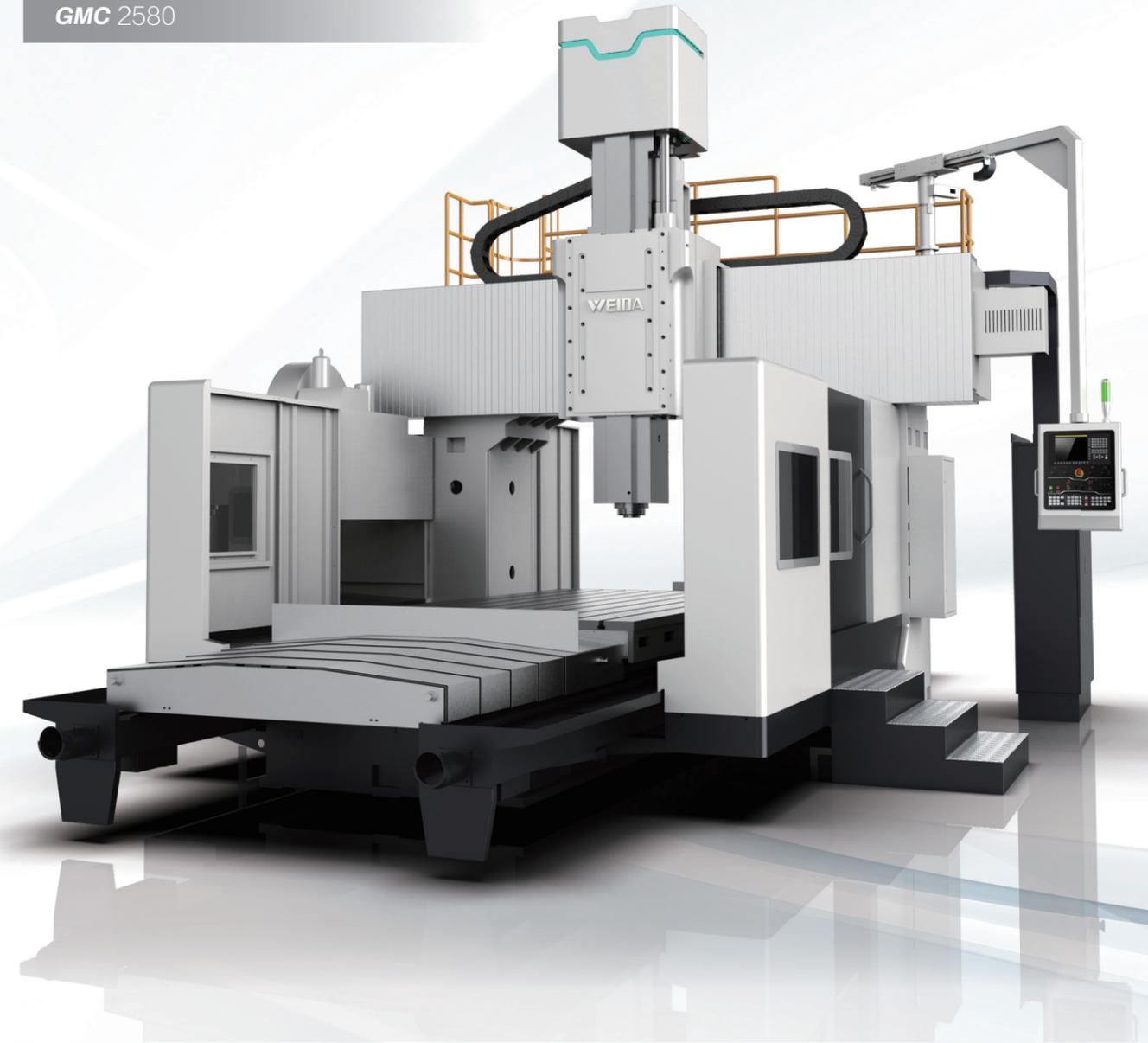
- Siemens 828D CNC controller
- Germany ZF gear box/Italy BF gear box
- Heidenhain or Fagor linear scale
- 32/40pcs chain type tool magazine
- WEIDA or Taiwan auto right angle milling head
- Combined vertical and horizontal chip removal system



Main specifications	Unit	GMC2540	GMC2560	GMC2580
X-axis travel	mm	4200	6200	8500
Y-axis travel	mm	3700	3700	3700
Z-axis travel	mm	1250	1250	1250
Distance from spindle nose to table surface	mm	250-1500	250-1500	250-1500
Distance between two columns	mm	3300	3300	3300
Worktable size	mm	4000X2500	6000X2500	8000X2500
Max.load of worktable	kg	18000	26000	30000
T-slot (Width-No.-Distance)	mm	28-11-220	28-11-220	28-11-220
Spindle taper	--	BT50	BT50	BT50
Max. Spindle speed	rpm	3000	3000	3000
Main motor power	kW	30/37	30/37	30/37
Spindle torque	N.m	1275/1572	1275/1572	1275/1572
Ram cross section	mm	450X450	450X450	450X450
Rapid feed speed(X/Y/Z)	mm/min	10000/10000/10000	10000/10000/10000	8000/10000/10000
Cutting feed speed(X/Y/Z)	mm/min	1-8000/1-8000/1-8000	1-8000/1-8000/1-8000	1-6000/1-8000/1-8000
Positioning accuracy(X/Y/Z)	mm	0.025/0.025/0.020	0.035/0.025/0.020	0.045/0.025/0.020
Repeat positioning accuracy(X/Y/Z)	mm	0.016/0.016/0.013	0.025/0.016/0.013	0.035/0.016/0.013
Total power capacity	kVA	55	55	55
Machine weight	kg	57000	67000	82000
Overall dimensions	mm	13200X6300X6600	16200X6300X6600	19200X6300X6600

## GMC 2540 / GMC 2560

## GMC 2580



定梁龙门式加工中心

# GMC/2560

FIXED BEAM GANTRY-TYPE MACHINING CENTER

Main specifications	Unit	GMC2040p	GMC2040	GMC2060
X-axis travel	mm	4200	4200	6200
Y-axis travel	mm	3200	3200	3200
Z-axis travel	mm	1000	1250	1250
Distance from spindle nose to table surface	mm	250-1250	300-1550	300-1550
Distance between two columns	mm	2800	2800	2800
Worktable size	mm	4000X2000	4000X2000	6000X2000
Max.load of worktable	kg	12000	15000	22000
T-slot (Width-No.-Distance)	mm	28-9-200	28-9-200	28-9-220
Spindle taper	--	BT50	BT50	BT50
Max. Spindle speed	rpm	3000	3000	3000
Main motor power	kW	22/26	22/26	22/26
Spindle torque	N.m	718/849	718/849	718/849
Ram cross section	mm	410X410	450X450	450X450
Rapid feed speed(X/Y/Z)	mm/min	12000/15000/10000	12000/12000/10000	10000/12000/10000
Cutting feed speed(X/Y/Z)	mm/min	1-8000/1-10000/1-8000	1-8000/1-10000/1-8000	1-8000/1-10000/1-8000
Positioning accuracy(X/Y/Z)	mm	0.025/0.020/0.018	0.025/0.020/0.020	0.035/0.020/0.020
Repeat positioning accuracy(X/Y/Z)	mm	0.016/0.013/0.012	0.016/0.013/0.013	0.025/0.013/0.013
Total power capacity	kVA	50	50	50
Machine weight	kg	42000	48000	58000
Overall dimensions	mm	10390X5600X5600	12560X5960X6500	16560X5960X6500

## 性能特点 PERFORMANCE

- The machine is fixed gantry frame and moving table structure, with good rigidity, strong vibration absorption, wide processing range and good stability. The machine has various functions such as milling, boring, drilling, tapping, etc. It is suitable for new energy, automobile, ship, printing, packaging, textile, military industry etc.
- Extra wide bed with direct casting of chip slots on both sides of the bed
- Heavy-duty linear guide ways on X,Y axis Z axis square ram box guide way
- High-speed precision spindle unit from Taiwan, equipped with precision gearbox, high output torque
- Various manual/automatic milling heads available

## 配置 CONFIGURATION

### STANDARD

- Fanuc Oi-MF PLUS CNC controller
- Spindle gear box
- Automatic lubrication system
- 24 pcs arm type tool magazine

### OPTION

- Siemens 828D CNC controller
- Germany ZF gear box/Italy BF gear box
- Heidenhain or Fagor linear scale
- 32/40pcs chain type tool magazine
- WEIDA or Taiwan auto right angle milling head
- Combined vertical and horizontal chip removal system

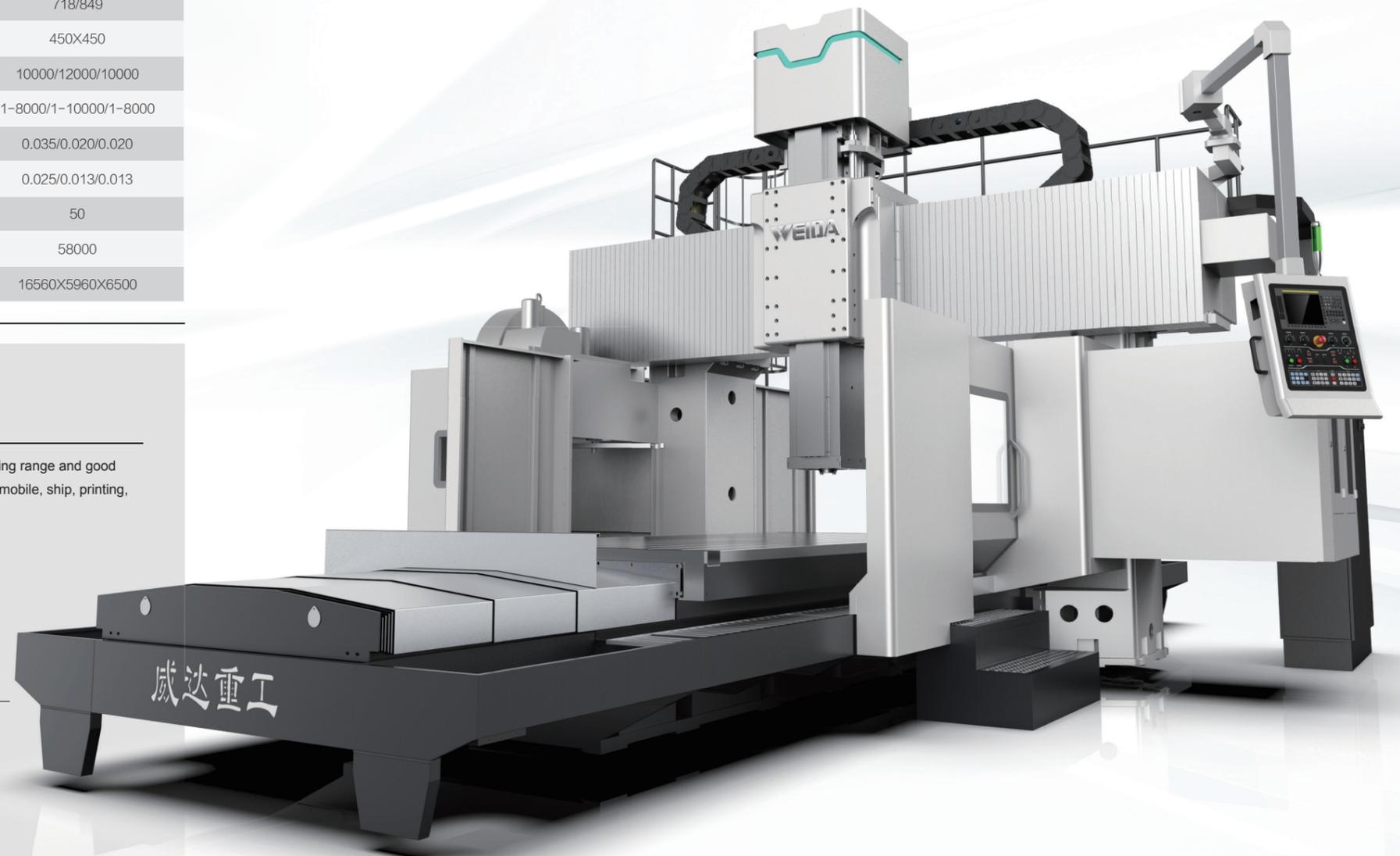
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# GMC/2040

CNC GANTRY-TYPE MACHINING CENTER

GMC 2040 / GMC 2040p

GMC 2060



Main specifications	Unit	GMC1520	GMC1530	GMC1830
X-axis travel	mm	2200	3200	3200
Y-axis travel	mm	2000	2000	2600
Z-axis travel	mm	800	800	1000
Distance from spindle nose to table surface	mm	165-965	165-965	250-1250
Distance between two columns	mm	1900	1900	2200
Worktable size	mm	2000X1500	3000X1500	3000X1800
Max.load of worktable	kg	6000	8000	8000
T-slot (Width-No.-Distance)	mm	28-9-160	28-9-160	28-11-160
Spindle taper	--	BT50	BT50	BT50
Max. Spindle speed	rpm	3000	3000	3000
Main motor power	kW	15/18.5	15/18.5	15/18.5
Spindle torque	N.m	730/900	730/900	730/900
Ram cross section	mm	400X400	400X400	410X410
Rapid feed speed(X/Y/Z)	mm/min	12000/15000/8000	12000/15000/8000	12000/10000/8000
Cutting feed speed(X/Y/Z)	mm/min	1-10000/1-10000/1-6000	1-10000/1-10000/1-6000	1-10000/1-8000/1-6000
Positioning accuracy(X/Y/Z)	mm	0.016/0.016/0.015	0.020/0.016/0.015	0.020/0.020/0.018
Repeat positioning accuracy(X/Y/Z)	mm	0.012/0.012/0.010	0.015/0.012/0.010	0.015/0.013/0.012
Total power capacity	kVA	30	30	30
Machine weight	kg	23000	25000	32000
Overall dimensions	mm	7400X4900X4850	8400X4900X4850	8400X5400X5650

## 性能特点 PERFORMANCE

- The machine is a fixed gantry frame and moving table structure, with good rigidity, strong vibration absorption, wide processing range and good stability. The machine has various functions such as milling, boring, drilling, tapping, etc. It is suitable for new energy, automobile, ship, printing, packaging, textile, military industry etc.
- Extra wide bed with direct casting of chip slots on both sides of the bed
- Heavy-duty linear guide ways on X,Y axis Z axis square ram box guide way
- High-speed precision spindle unit from Taiwan, equipped with precision gearbox, high output torque
- Various manual/automatic milling heads available.

## 配置 CONFIGURATION

### STANDARD

- Fanuc Oi-MF Plus CNC controller
- Automatic lubrication system
- 24 pcs arm type tool magazine
- Double screw type chip conveyor

### OPTION

- Siemens 828D, GSK251, HNC818, KND2000 CNC controller
- 32pcs chain type tool magazine
- WEIDA or Taiwan auto right angle milling head
- Double chain type chip conveyor
- Germany ZF gear box/Italy BF gear box

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# GMC/1830

CNC GANTRY-TYPE MACHINING CENTER

GMC 1520 / GMC 1530

GMC 1830



## 性能特点 PERFORMANCE

- Suitable for large workpiece's precision machining of aerospace, automotive, textile machinery, molds, packaging machinery, mining equipment etc. It can automatically complete multi-process complex processing of milling, drilling, boring, tapping etc.
- Fixed beam structure, vertical orthogonal linear guide beam, integrated gantry frame with good rigidity.
- Heavy duty linear guide ways on X,Y axis, which have High load capacity, high precision,Z-axis is a six-sided hard rail structure, ensuring rigidity of Z-axis feed and high-precision feed retention
- Taiwan famous brand high speed spindle unit (6000rpm), max. speed 3000rpm, suitable for heavy cutting with low speed.
- The basic parts of the machine are made of high-quality high-strength castings and gantry frame structure. The whole machine has good rigidity, shock resistance and precision retention.
- Balancing cylinders are arranged symmetrically on both sides of the ram for fast Z-axis response.

## 配置 CONFIGURATION

### STANDARD

- Fanuc 0i-MF Plus CNC controller
- Taiwan 24 pcs arm type tool magazine
- Double screw type chip conveyor

### OPTION

- Siemens 828D GSK 25i, HNC818, KND2000 MF3i CNC controller
- Germany ZF gear box/Italy BF gear box
- WEIDA manual right angle milling head

Main specifications	Unit	GMC0916	GMC1120
X-axis travel	mm	1800	2200
Y-axis travel	mm	1400	1700
Z-axis travel	mm	800	800
Distance from spindle nose to table surface	mm	150-950	150-950
Distance between two columns	mm	1300	1600
Worktable size	mm	1600X900	2000X1100
Max.load of worktable	kg	3000	3500
T-slot (Width-No.-Distance)	mm	22-5-180	22-7-160
Spindle taper	--	BT50	BT50
Max. Spindle speed	rpm	3000	3000
Main motor power	kW	15/18.5	15/18.5
Spindle torque	N.m	257/318	257/318
Rapid feed speed(X/Y/Z)	mm/min	15000/20000/12000	15000/20000/12000
Cutting feed speed(X/Y/Z)	mm/min	1-10000/1-10000/1-8000	1-10000/1-10000/1-8000
Positioning accuracy(X/Y/Z)	mm	0.016/0.014/0.015	0.016/0.014/0.015
Repeat positioning accuracy(X/Y/Z)	mm	0.012/0.011/0.010	0.012/0.011/0.010
Total power capacity	kVA	30	30
Machine weight	kg	13000	18000
Overall dimensions	mm	6200X3900X4580	7450X4200X4580

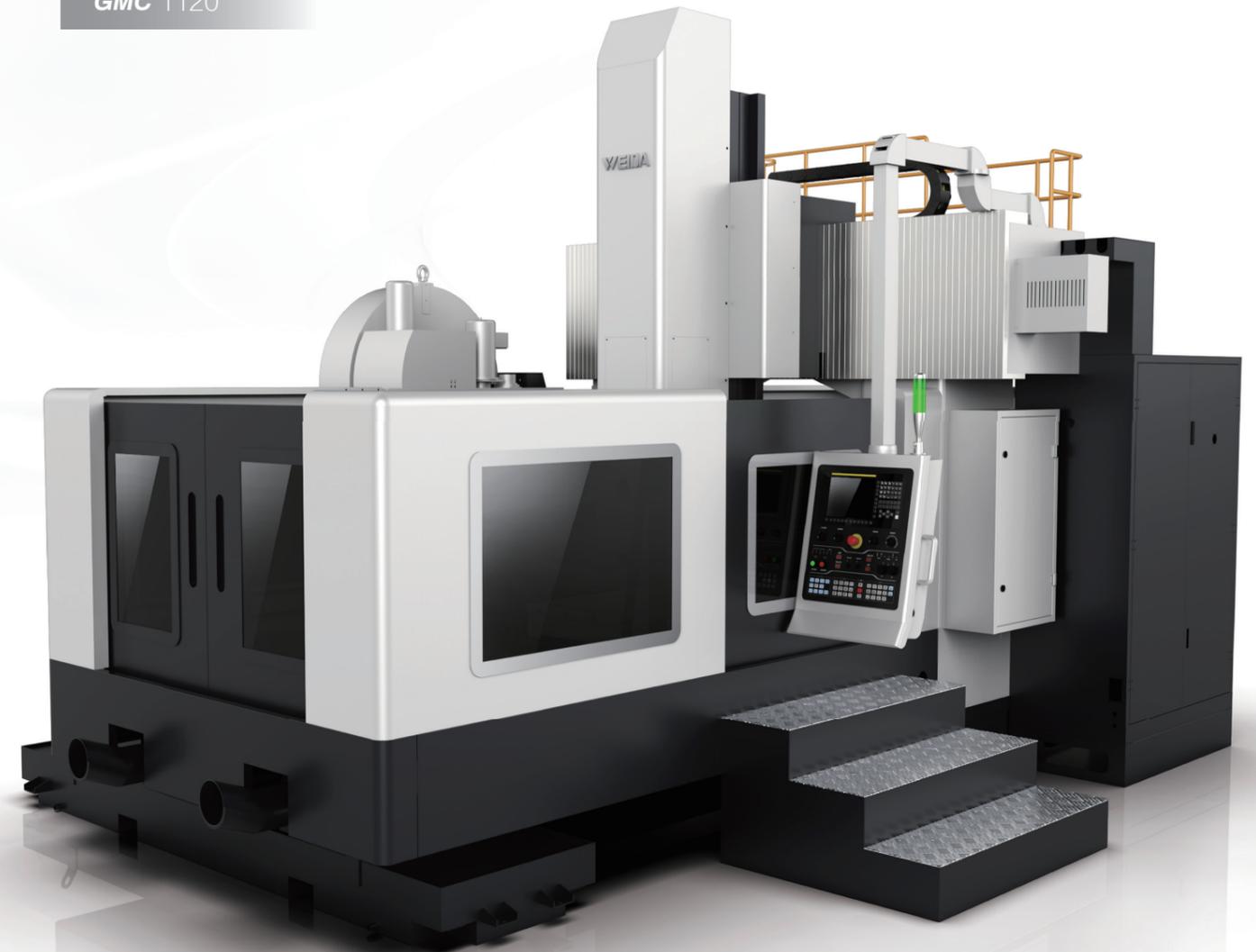
## 龙门加工中心

# GMC/1120

CNC GANTRY-TYPE MACHINING CENTER

GMC 0916

GMC 1120



## 性能特点 PERFORMANCE

- It is mainly suitable for large and medium-sized tube sheet, disc and steel beam mechanism connecting parts, and parts with drilling as the main process. It has higher hole machining precision and higher cost performance
- Heavy-duty roller linear guide ways on X, Y, box guide way on Z, ensuring machine rigidity
- X-axis use the form of gantry movement, double servo motor drive, planetary reducer deceleration, precision backlash gear rack drive, high positioning accuracy
- Taiwan famous brand spindle, synchronous belt transmission, large spindle torque
- The cooling system adopts a large-flow, high-lift pump to ensure that the tool is fully cooled under high-speed cutting

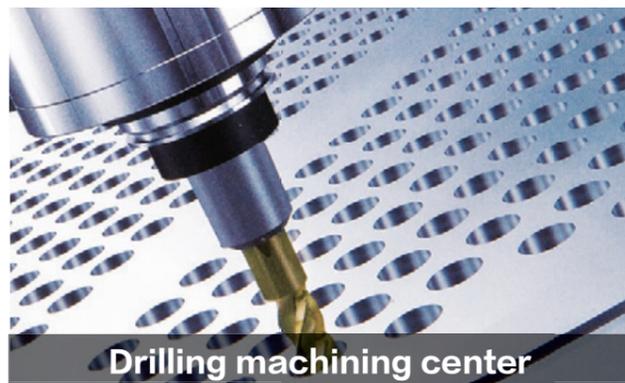
## 配置 CONFIGURATION

### STANDARD

- Fanuc 0i-MF Plus CNC controller
- Double screw type chip conveyor
- 12pcs straight platoon type tool magazine
- Protection for Processing area

### OPTION

- Siemens 828D, GSK25I, HNC818, KND2000
- Tool internal cooling function
- 24pcs arm type tool magazine



Drilling machining center



Plane milling machining center

Main specifications	Unit	GDC1230m	GDC1640m	GDC2530m	GDC3065m
X-axis travel	mm	3000	4000	3000	6500
Y-axis travel	mm	1250	1600	2500	3000
Z-axis travel	mm	500	500	500	500
Distance from spindle nose to table surface	mm	150-650	150-650	150-650	200-700
Distance between two columns	mm	1600	1800	2700	3400
Worktable size	mm	3000X1250	4000X1600	3000X2500	6500X3000
Max. load of worktable	kg	6000	8000	10000	18000
T-slot (Width-No.-Distance)	mm	28-18-200	28-19-200	28-14-200	28-30-200
Spindle taper	--	BT50	BT50	BT50	BT50
Max. Spindle speed	rpm	3000	3000	3000	3000
Main motor power	kW	15/18.5	15/18.5	15/18.5	15/18.5
Spindle torque	N.m	191/230	191/230	191/230	191/230
Rapid feed speed(X/Y/Z)	mm/min	8000/12000/8000	8000/12000/8000	8000/12000/8000	8000/12000/8000
Cutting feed speed(X/Y/Z)	mm/min	1-6000/1-6000/1-6000	1-6000/1-6000/1-6000	1-6000/1-6000/1-6000	1-6000/1-6000/1-6000
Positioning accuracy(X/Y/Z)	mm	0.05/300	0.05/300	0.05/300	0.05/300
Repeat positioning accuracy(X/Y/Z)	mm	0.025/300	0.025/300	0.025/300	0.025/300
Total power capacity	kVA	35	35	35	50
Machine weight	kg	12000	18000	24000	38000
Overall dimensions	mm	5200X3200X2800	6500X3600X2800	5200X4500X2800	9000X5000X2850



GDC 1230m / GDC 1640m

GDC 2530m / GDC 3065m

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# GDC/1640m

MOVING COLUMN GANTRY TYPE DRILLING MACHINING CENTER