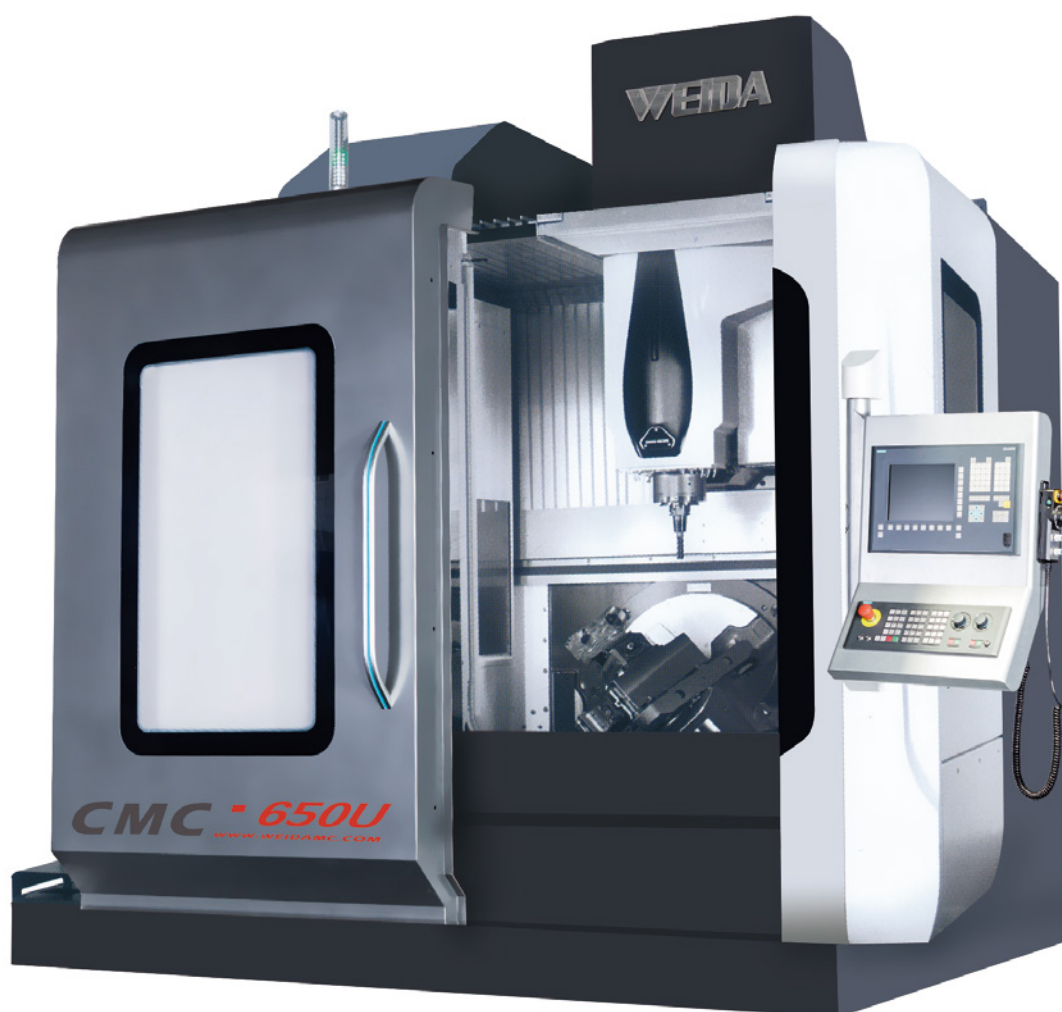


山东威达精工

SHANDONG WEIDA PRECISION INTELLIGENT MACHINERY CO., LTD.



VERTICAL MACHINING CENTER

2025

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
BECOME AN INTERNATIONAL
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 of 500,000 m², the building zone is about 350,000 m², and the total assets is more than RMB1 billion, there are 365 engineers, the main processing equipments are 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 10 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 10 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.

1.0 | 品质&精度

QUALITY ACCURACY

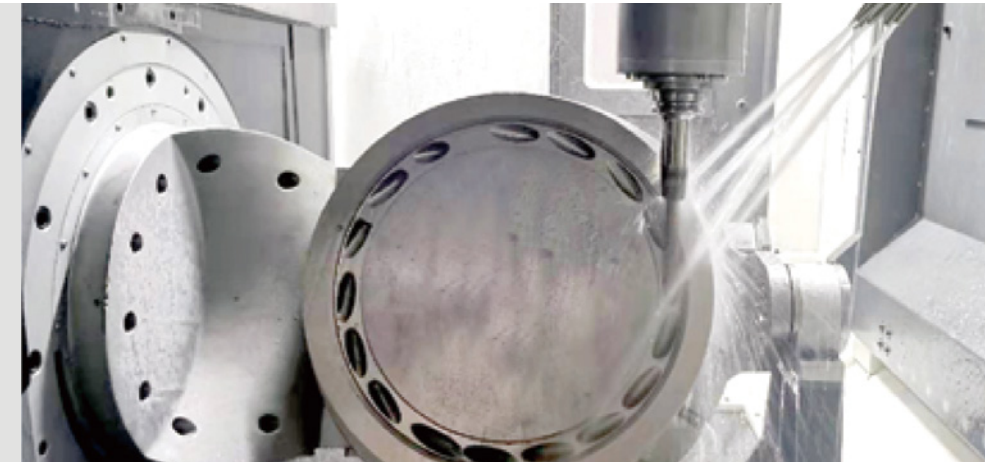
THE RELENTLESS PURSUIT OF QUALITY AND PRECISION IS THE CHARACTERISTICS OF WEIDA AND ITS STAFF



2.0

产品展示目录

PRODUCT CATALOGUE



05-20

立式加工中心 Vertical machining center



21-22

立式加工中心自动化产线 Automatic production line of vertical machining center



23-24

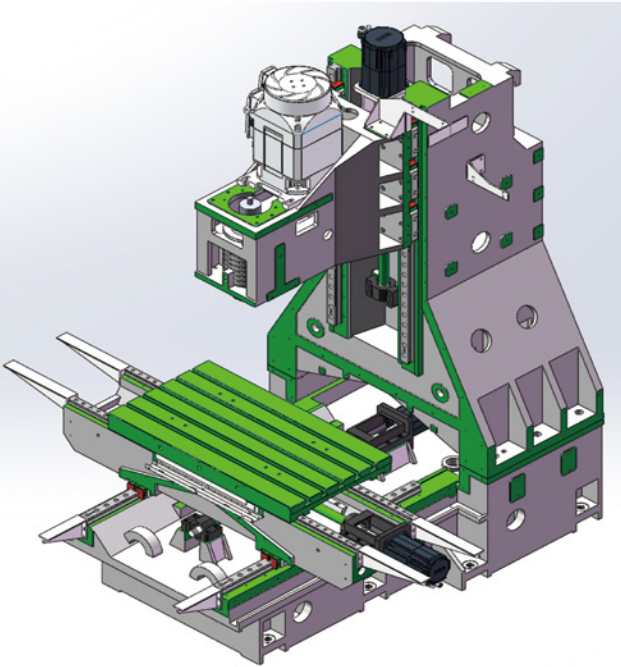
数控镗铣床 CNC boring and milling machine



25-26

数控床身铣床 CNC bed-type milling machine





性能特点 PERFORMANCE

- Cross slide structure, inverted Y-column
- Super rigidity of bed, column, slide, table and spindle box.
- X, Y and Z guideways are roller linear guideways.
- Spindle with BT40-150-10000rpm short nose synchronous belt spindle

标准配置 STANDARD

- Fanuc 0i - MF Plus CNC controller
- 24pcs arm type tool magazine
- Centralised Automatic Grease Lubrication
- Screw type chip conveyor

选择配置 OPTION

- BT40/50 short nose direct connect spindle unit
- Coolant through spindle
- Chain type chip conveyor, two screws and one chain type chip conveyor
- 4-axis rotary table, 5-axis cradle rotary table
- Online inspection system for tools and workpieces

Main specifications	Unit	VNM860	VNM1100	VNM1300
Table size	mm	1000X550	1300X600	1500X700
T-slot (Width-Qty-Distance)	mm	18-5-90	18-5-100	22-5-135
Max. table load	kg	600	1000	1200
X-axis travel	mm	850	1100	1300
Y-axis travel	mm	600	600	700
Z-axis travel	mm	600	650	700
Distance from spindle nose to table surface	mm	100-700	120-770	160-860
Distance from spindle axis to column surface	mm	642	662	750
Spindle taper	--	BT40	BT40	BT50
Max. spindle speed	rpm	8000	40-8000	40-6000
Spindle motor power	kW	11/15 11/18.5(FANUC)	11/15 11/18.5(FANUC)	11/15 15/18.5(FANUC)
Max. torque of spindle	N.m	52.5/95.5 52.5/118 (FANUC)	52.5/95.5 52.5/118 (FANUC)	52.5/95.5 71.6/118 (FANUC)
Quality of Y axis rail	PCS	2	2	4
Tool magazine type	--	Arm type	Arm type	Arm type
Tool magazine capacity	PCS	24	24	24
Max. diameter of tool(Full/Empty)	mm	φ 80/φ 125	φ 80/φ 125	φ 110/φ 220
Max. tool length	mm	300	300	350
Max. tool weight	kg	8	8	15
Tool change time(T-T)	s	1.55	1.55	3
Rapid feed speed(X/Y/Z)	mm/min	48000/48000/36000	36000/36000/30000	30000/30000/24000
Cutting feed speed(X/Y/Z)	mm/min	1-10000/1-10000/1-10000	1-10000/1-10000/1-10000	1-10000/1-10000/1-10000
Positioning accuracy (X/Y/Z)	mm	± 0.005/300 JIS	± 0.005/300 JIS	± 0.005/300 JIS
Repeat positioning accuracy(X/Y/Z)	mm	± 0.003 JIS	± 0.003 JIS	± 0.003 JIS
Total power capacity	kVA	25	25	25
Machine weight	kg	5500	6500	9500
Machine overall size	mm	3374X2340X2722	3825X2400X2860	4180X2670X3300

HIGH PRECISION VERTICAL MACHINING CENTER

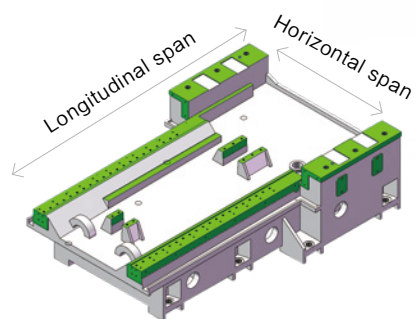
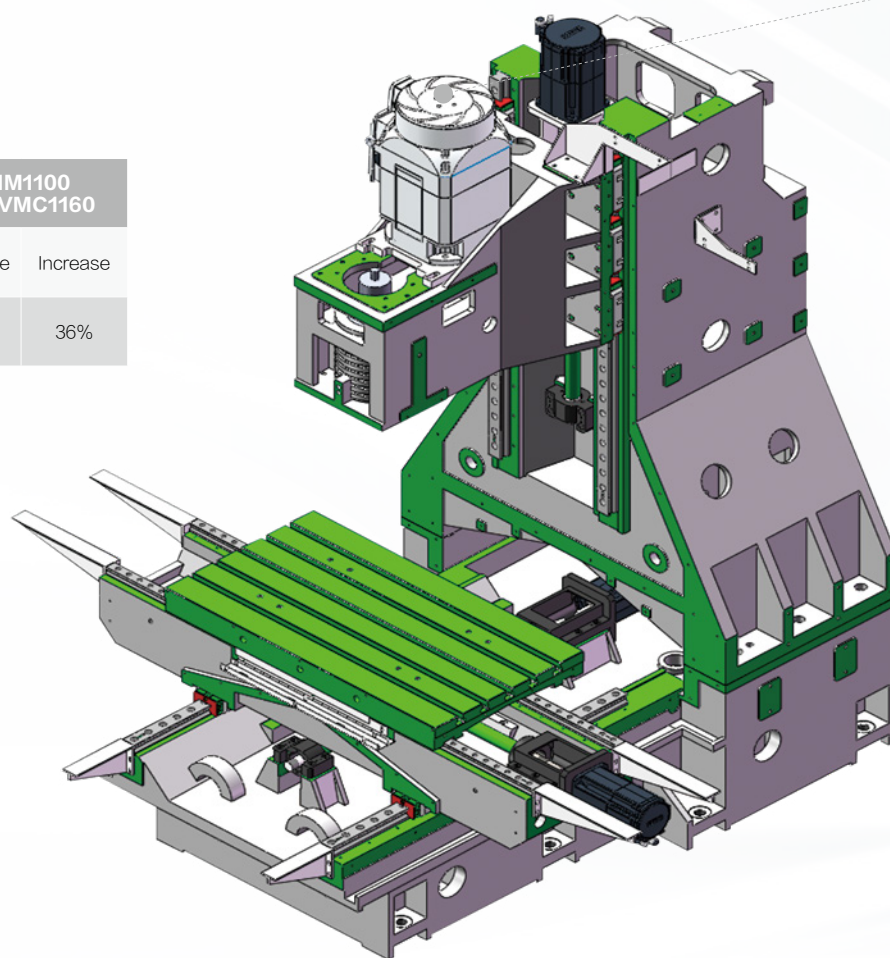


VNM860 VNM1100
VNM1300

HIGH PRECISION VERTICAL MACHINING CENTER

Short nose
High torque
Spindle unit

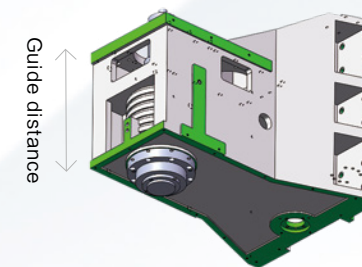
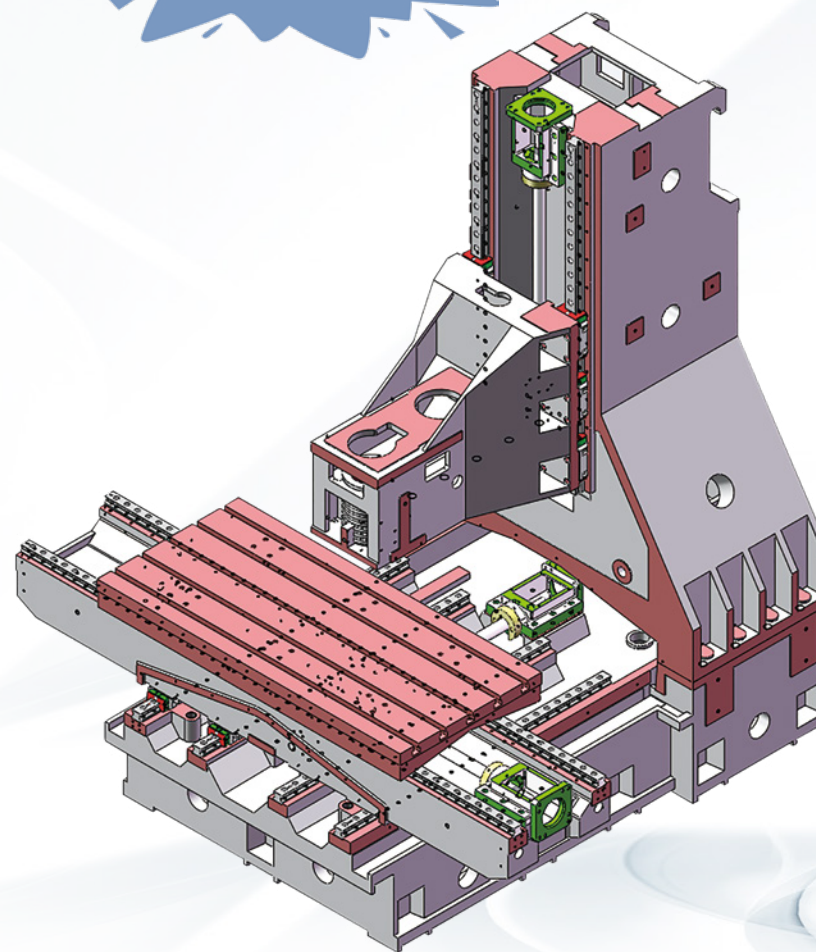
HEADSTOCK		VNM860 VS VMC855		VNM1100 VS VMC1160	
Comparison Item	Unit	Difference	Increase	Difference	Increase
Guide distance	mm	+75	36%	+75	36%



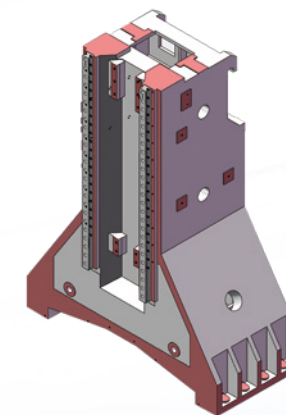
BASE		VNM860 VS VMC855		VNM1100 VS VMC1160	
Comparison Item	Unit	Difference	Increase	Difference	Increase
Horizontal span	mm	+200	21%	+200	20%
Guideway span	mm	+100	16%	+135	20%

COLUMN		VNM860 VS VMC855		VNM1100 VS VMC1160	
Comparison Item	Unit	Difference	Increase	Difference	Increase
Horizontal span	mm	+200	20%	+200	20%
Guideway span	mm	+155	32%	+125	25%
Contact area	mm ²	+88656	87%	+74410	60%

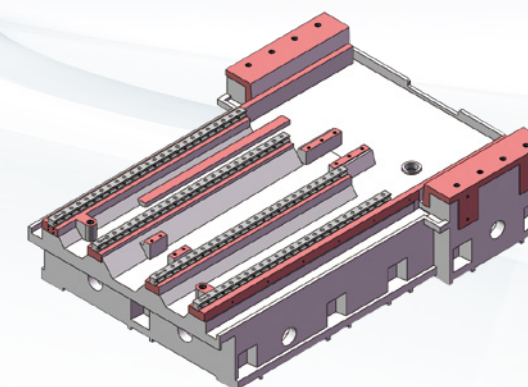
High power
High torque
Servo motor power



HEADSTOCK		VNM1300 VS VMC1300	
Comparison Item	Unit	Difference	Increase
Guide distance	mm	+70	11%

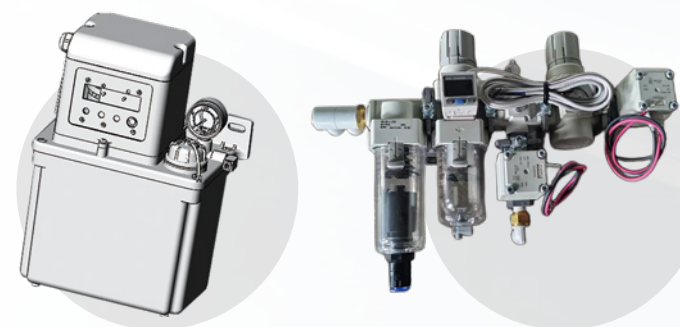


COLUMN		VNM 1300 VS VMC1300	
Comparison Program	Unit	Difference	Increase
Horizontal span	mm	+350	30%
Longitudinal span	mm	+135	25%
Contact area	mm ²	+91250	61%



- Y axis 4 pcs linear guide way

BASE		VNM 1300 VS VMC1300	
Comparison Program	Unit	Difference	Increase
Horizontal span	mm	+350	30%
Guideway span	mm	+265	36%



- Centralised automatic grease lubrication, green, energy-saving, integrated pneumatic components, rigid connection

性能特点 PERFORMANCE

- Two linear guideway and one box guideway, to achieve fast response and high accuracy during machining
- Taiwan famous brand arm type tool magazine with capacity of 24 tools, manipulator tool change, reliable action and rapid tool changing
- The cooling system adopts large flow and high-lift water pump to ensure sufficient cooling under high speed cutting

标准配置 STANDARD

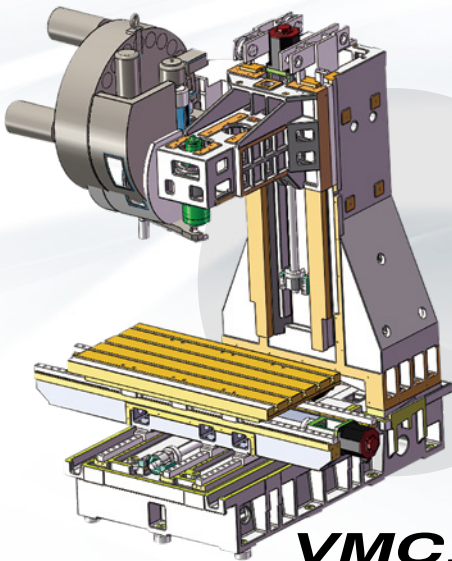
- Fanuc 0i- MF CNC controller
- 24pcs arm type tool magazine
- Four linear guides for Y-axis

选择配置 OPTION

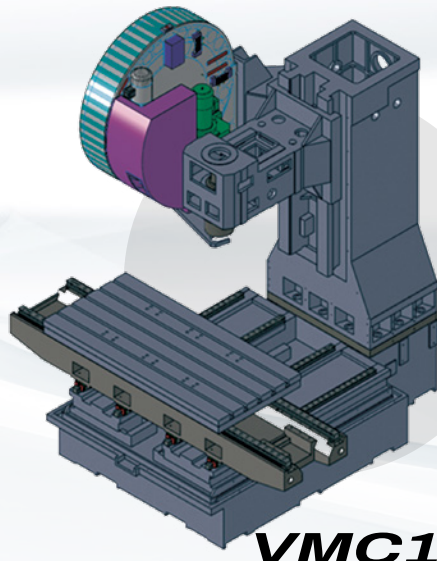
- Siemens 828D, KND-2000M, HNC818, GSK218 CNC controller
- Weida self-made gearbox
- 4-axis rotary table, 5-axis cradle rotary table
- Coolant through spindle
- Screw type chip conveyor
- Chain type chip conveyor

Main specifications	Unit	VMC1200	VMC1580
Table size	mm	1200X620	1700X800
T-slot (Width-Qty-Distance)	mm	18-115-5	22-5-135
Max. table load	kg	1000	1500
X-axis travel	mm	1200	1500
Y-axis travel	mm	600	800
Z-axis travel	mm	600	700
Distance from spindle nose to table surface	mm	150-750	160-860
Distance from spindle axis to column surface	mm	660	810
Spindle taper	--	BT40	BT50
Max. spindle speed	rpm	6000	6000
Spindle motor power	kW	11/15	15/18.5
Max. torque of spindle	N.m	52.5/95.5	143.3/236
Tool magazine type	--	Arm type	Arm type
Tool magazine capacity	pcs	24	24
Max. diameter of tool(Full/Empty)	mm	φ 78/120	φ 110/φ 220
Max. tool length	mm	300	400
Max. tool weight	kg	8	15
Tool change time(T-T)	s	1.75/5	2.91
Rapid feed speed(X/Y/Z)	mm/min	24000/24000/18000	20000/20000/15000
Cutting feed speed(X/Y/Z)	mm/min	1-10000/1-10000/1-10000	1-10000/1-10000/1-10000
Positioning accuracy (X/Y/Z)	mm	± 0.005/300 JIS	± 0.005/300 JIS
Repeat positioning accuracy(X/Y/Z)	mm	± 0.003 JIS	± 0.003 JIS
Total power capacity	kVA	25	40
Machine weight	kg	8200	13000
Machine overall size	mm	3200X2350X2800	4200X3110X3100

HIGH EFFICIENCY VERTICAL MACHINING CENTER



VMC1200



VMC1580

VMC1580

HIGH EFFICIENCY VERTICAL MACHINING CENTER

性能特点 PERFORMANCE

- X,Y,Z axis are roller linear guideway
- Taiwan 10000rpm high speed and high precision spindle unit
- The whole machine adopts Japan bearings

标准配置 STANDARD

- Fanuc 0i-MF plus CNC controller
- Spindle blowing system

选择配置 OPTION

- Siemens 828D,KND-2000M,HNC818, GSK218 CNC controller
- 4-axis rotary table, 5-axis cradle rotary table
- Coolant through spindle
- Screw type chip conveyor
- Chain type chip conveyor
- XY axis roller linear guideway and Z axis box guideway

Main specifications	Unit	VMC855	VMC1160
Table size	mm	1000X550	1200X600
T-slot (Width-Qty-Distance)	mm	18-5-90	18-5-100
Max. table load	kg	600	1000
X-axis travel	mm	800	1100
Y-axis travel	mm	550	600
Z-axis travel	mm	550	600
Distance from spindle nose to table surface	mm	150-700	120-720
Distance from spindle axis to column surface	mm	608	670
Spindle taper	--	BT40	BT40
Max. spindle speed	rpm	10000	10000
Spindle motor power	kW	11/15	11/15
Max. torque of spindle	N.m	52.5/95.5	52.5/95.5
Tool magazine type	--	Arm type	Arm type
Tool magazine capacity	pcs	24	24
Max. diameter of tool(Full/Empty)	mm	φ 80/φ 150	φ 80/φ 150
Max. tool length	mm	300	300
Max. tool weight	kg	8	8
Tool change time(T-T)	s	1.55	1.55
Rapid feed speed(X/Y/Z)	mm/min	30000/30000/24000	30000/30000/24000
Cutting feed speed(X/Y/Z)	mm/min	1-10000/1-10000/1-10000	1-10000/1-10000/1-10000
Positioning accuracy (X/Y/Z)	mm	± 0.005/300 JIS	± 0.005/300 JIS
Repeat positioning accuracy(X/Y/Z)	mm	± 0.003 JIS	± 0.003 JIS
Total power capacity	kVA	25	25
Machine weight	kg	5000	6000
Machine overall size	mm	2550 × 2300 × 2700	3100X2460X2860

HIGH EFFICIENCY VERTICAL MACHINING CENTER



VMC855
VMC1160

HIGH EFFICIENCY VERTICAL MACHINING CENTER

性能特点 PERFORMANCE

- VMC640 X,Y axis are linear guideway, Z axis is box guideway
- VMC400E、VMC740 three axis linear guideway
- Taiwan 10000rpm high speed and high precision spindle unit
- VMC400E Taiwan famous brand 16pcs umbrella type tool magazine
- VMC640、VMC740 Taiwan famous brand 16pcs arm type tool magazine

标准配置 STANDARD

- Fanuc 0i – MF Plus or Siemens 828D CNC controller
- Standard network port

选择配置 OPTION

- KND-2000M,HNC818, GSK218 CNC controller
- 4-axis rotary table, 5-axis cradle rotary table
- Coolant through spindle
- Screw type chip conveyor
- Chain type chip conveyor

Main specifications	Unit	VMC400E	VMC640	VMC740
Table size	mm	600X350	920X400	920X400
T-slot (Width-Qty-Distance)	mm	14-3-120	14-3-120	14-3-120
Max. table load	kg	100	300	300
X-axis travel	mm	400	650	700
Y-axis travel	mm	350	400	400
Z-axis travel	mm	400	500	500
Distance from spindle nose to table surface	mm	120-520	120-620	100-600
Distance from spindle axis to column surface	mm	420	475	439
Spindle taper	--	BT40	BT40	BT40
Max. spindle speed	rpm	10000	10000	10000
Spindle motor power	kW	5.5/7.5	5.5/7.5	5.5/7.5
Max. torque of spindle	N.m	26.3/47.8	26.3/47.8	26.3/47.8
Tool magazine type	--	Umbrella type	Arm type	Arm type
Tool magazine capacity	pcs	16	16	16
Max. diameter of tool(Full/Empty)	mm	φ 80/ φ 150	φ 80/ φ 150	φ 80/ φ 150
Max. tool length	mm	300	300	300
Max. tool weight	kg	8	8	8
Tool change time(T-T)	s	3/7	1.55/5	1.55/5
Rapid feed speed(X/Y/Z)	mm/min	30000/30000/24000	30000/30000/18000	30000/30000/24000
Cutting feed speed(X/Y/Z)	mm/min	1-10000/1-10000/1-10000	1-10000/1-10000/1-10000	1-10000/1-10000/1-10000
Positioning accuracy (X/Y/Z)	mm	± 0.005/300 JIS	± 0.005/300 JIS	± 0.005/300 JIS
Repeat positioning accuracy(X/Y/Z)	mm	± 0.003 JIS	± 0.003 JIS	± 0.003 JIS
Total power capacity	kVA	20	20	20
Machine weight	kg	2000	3500	3500
Machine overall size	mm	2022X2040X2380	2160X2260X2300	2160X2260X2300

HIGH EFFICIENCY VERTICAL MACHINING CENTER



VMC400E VMC640
VMC740

HIGH EFFICIENCY VERTICAL MACHINING CENTER

性能特点

PERFORMANCE

- The machine is made of Meehanite cast iron to ensure machine rigidity and stability
- The three axes adopt roller linear guideway, ensuring machine accuracy and rigidity during processing
- Taiwan brand high speed and high precision drive type 12,000 rpm spindle

标准配置

STANDARD

- Fanuc Oi – MF Plus CNC controller
- 24pcs arm type tool magazine
- Oil cooler

选择配置

OPTION

- Siemens 828D,KND-2000M,HNC818, GSK218 CNC controller
- 4-axis rotary table, 5-axis cradle rotary table
- Coolant through spindle
- Screw type chip conveyor
- Chain type chip conveyor

Main specifications	Unit	VMC3000	VMC4000	VMC5000
Table size	mm	3000X500	4000X500	5000X500
T-slot (Width-Qty-Distance)	mm	18-3-140	18-3-140	18-3-140
Max. table load	kg	1000	1500	1500
X-axis travel	mm	3000	4000	5000
Y-axis travel	mm	500	500	500
Z-axis travel	mm	500	500	500
Distance from spindle nose to table surface	mm	150-650	150-650	150-650
Distance from spindle axis to column surface	mm	500	500	500
Spindle taper	--	BT40	BT40	BT40
Max. spindle speed	rpm	12000	12000	12000
Spindle motor power	kW	7.5/11	7.5/11	7.5/11
Max. torque of spindle	N.m	35.8/70	35.8/70	35.8/70
Tool magazine type	--	Arm type	Arm type	Arm type
Tool magazine capacity	pcs	24	24	24
Max. diameter of tool(Full/Empty)	mm	φ 80/ φ 150	φ 80/ φ 150	φ 80/ φ 150
Max. tool length	mm	300	300	300
Max. tool weight	kg	8	8	8
Tool change time(T-T)	s	3	3	3
Rapid feed speed(X/Y/Z)	mm/min	15000/24000/24000	15000/24000/24000	15000/24000/24000
Cutting feed speed(X/Y/Z)	mm/min	2.5-10000/2.5-10000/2.5-10000	2.5-10000/2.5-10000/2.5-10000	2.5-10000/2.5-10000/2.5-10000
Positioning accuracy (X/Y/Z)	mm	± 0.005/300 JIS	± 0.005/300 JIS	± 0.005/300 JIS
Repeat positioning accuracy(X/Y/Z)	mm	± 0.003 JIS	± 0.003 JIS	± 0.003 JIS
Total power capacity	kVA	25	25	25
Machine weight	kg	13000	13500	15000
Machine overall size	mm	6000X2700X3050	7000X2700X3050	11500X2700X3050

PROFILE MACHINING CENTER



VMC3000 VMC4000
VMC5000

PROFILE MACHINING CENTER



性能特点

PERFORMANCE

- The whole machine adopts a high rigidity vertical frame layout, and the X, Y and Z axes are large span gauge guideways to ensure the machine accuracy and rigidity during processing
- Taiwan high speed gearbox spindle 6000rpm
- Taiwan famous brand arm type tool magazine with capacity of 24 tools,manipulator tool change, reliable action and rapid tool changing
- The cooling system adopts large flow and high-lift water pump to ensure sufficient cooling under high speed cutting
- Double-station exchange mechanism adopts reciprocating pallet exchange mechanism, with heavy table load and good stability

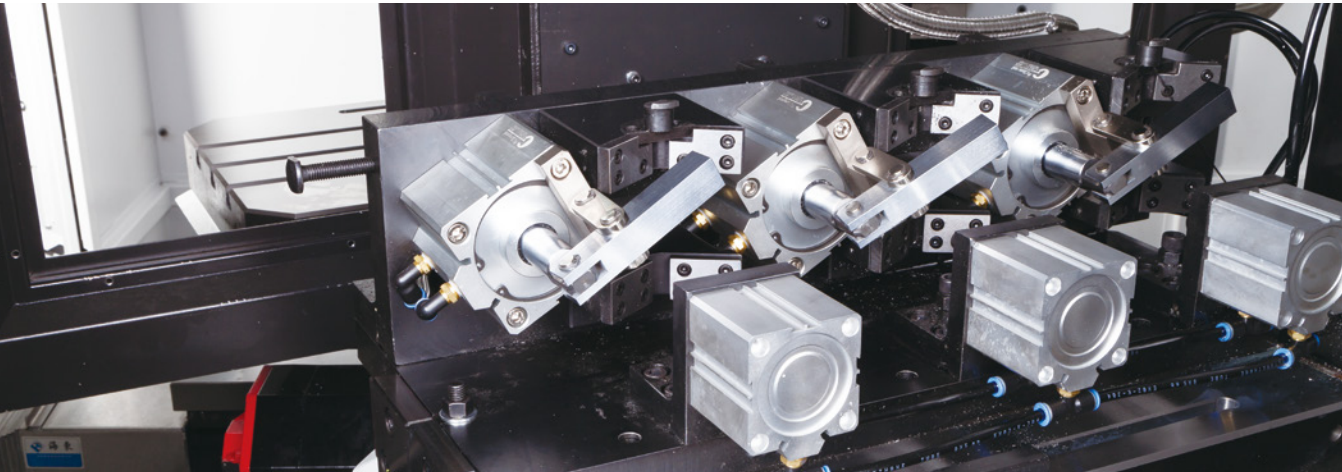
Main specifications	Unit	VMC1370P
Table size	mm	1500X700
T-slot (Width-Qty-Distance)	mm	22-5-125
Max. table load	kg	1000
X-axis travel	mm	1300
Y-axis travel	mm	750
Z-axis travel	mm	700
Distance from spindle nose to table surface	mm	115-815
Distance from spindle axis to column surface	mm	810
Spindle taper	--	BT50
Max. spindle speed	rpm	6000
Spindle motor power	kW	15/18.5
Max. torque of spindle	N.m	71.6/118
Tool magazine type	--	Arm type
Tool magazine capacity	pcs	24
Max. diameter of tool(Full/Empty)	mm	φ 110/ φ 220
Max. tool length	mm	350
Max. tool weight	kg	15
Tool change time(T-T)	s	3
Rapid feed speed(X/Y/Z)	mm/min	18000/18000/15000
Cutting feed speed(X/Y/Z)	mm/min	2.5-5000/2.5-5000/2.5-5000
Positioning accuracy (X/Y/Z)	mm	± 0.005/300 JIS
Repeat positioning accuracy(X/Y/Z)	mm	± 0.003 JIS
Total power capacity	kVA	25
Machine weight	kg	17000
Machine overall size	mm	5850X3350X3350

INDUSTRIAL SPECIALIZED VERTICAL MACHINING CENTER



VMC1370P

DOUBLE POSITIONS VERTICAL MACHINING CENTER



性能特点 PERFORMANCE

- The X, Y and Z axes are with linear guideway to ensure machine accuracy and rigidity during processing, which is mainly for efficient and powerful cutting of forged steel parts in the railway industry
- Taiwan famous brand 10000rpm high speed high precision spindle unit

Main specifications	Unit	VMC855P
Pallet size	mm	800X460
Threaded hole	mm	60XM12
Max. load	kg	200X2
Movement range on X, Y, Z	mm	850X550X550
Distance from spindle nose to table surface	mm	150-700
Distance from spindle axis to column surface	mm	608
Rapid feed speed	m/min	36/36/32
Cutting feed speed	mm/min	1-10000
Spindle taper	--	BT40
Max. spindle speed	rpm	40-10000
Spindle motor power	kW	11/15
Max. torque of spindle	N.m	52.5/95.5
Tool magazine capacity	pcs	24
Max. tool weight	kg	8
Max. tool size	mm	φ 80/150X300
Positioning accuracy of machine (X/Y/Z)	mm	±0.005/300 JIS
Repeat positioning accuracy of machine (X/Y/Z)	mm	±0.003 JIS
Machine weight	kg	6500
Machine overall size	mm	3170X2993X2971

INDUSTRIAL SPECIALIZED VERTICAL MACHINING CENTER



VMC855P

DOUBLE POSITIONS VERTICAL MACHINING CENTER

TRUSS MANIPULATOR AUTOMATIC PRODUCTION LINE



TRUSS MANIPULATOR AUTOMATIC PRODUCTION LINE

性能特点

PERFORMANCE

- This product is an intelligent automatic production line consisting of VMC600 Vertical Machining Center, HMC320 Horizontal Machining Center, Truss Manipulator, and Automatic Silo, which can automatically load and unload work pieces, exchange tools automatically, detect tools online, and measure work pieces online. It can realize unmanned production of box parts from blanks to qualified products
- Imported Germany electric cylinder, fast moving speed up to 120m/min
- Imported Germany control system, the workpiece is positioned accurately, and the positioning accuracy is up to + 0.05mm
- Imported British workpiece measuring instrument to achieve online processing and measurement of the workpiece

Main specifications	Unit	Data	Note
The horizontal axis (X axis) Running speed	m/min	120	EGC electric cylinder drive
Acceleration	G	0.5	
The Vertical axis (Z axis) Running speed	m/min	120	Rack and pinion transmission
Acceleration	G	0.5	
Grab weight	kg	≤ 10	
Repeated positioning accuracy of manipulator	mm	≤ ± 0.5	
Power supply range	V	380 ± 10% 50Hz	
Air pressure range	Mpa	0.4-0.6	
Ambient temperature	℃	5-40	
Control type			Independent electric control
Fixed type			Expansion anchor bolt fixed

HYDRAULIC VALVE BLOCK AUTOMATIC PRODUCTION LINE



HYDRAULIC VALVE BLOCK AUTOMATIC PRODUCTION LINE

性能特点

PERFORMANCE

- Processing machine: VM5710AM type vertical machining center equipped with 251 CNC turntable + hydraulic disc tailstock, 4 sets
- RAL- 4 automatic logistics unit 1st group: Equipped with a movable Fanuc R- 2000iC/165F six-axis robot pair, 1 set; 2 sets of gripper pairs composed of SCHUNKJGP series grippers (including fingers) (TRM10- 2- 01 gripper pair, 1 set; TRM20E- 2- 01, gripper pair, 1 set); automatic exchange when changing production; double-layer loading and unloading tables, 1 set of each (TRM10- 2- 01/ TRIM20E- 2-01's loading box and unloading box pair, 3 sets each); flip buffer table, 1 set; gripper exchange table, 1 set; RAL- 4 automatic logistics unit 2nd group: equipped with removable Fanuc R- 2000iC/165F six-axis robot pair, 1 set; gripper pair composed of SCHUNKJGP series grippers (including fingers), 2 sets (TRM15- 2- 01- R6 gripper pair, 1 set; TET16- 2- 01- R1 gripper pair, 1 set; automatic exchange when changing production); double-layer loading and unloading table, 1 set each (TET16- 2- 01- R1/TRM15- 2- 01- R6 loading Box and unloading box pairs, 3 sets each); flip buffer table, 1 set; gripper exchange table, 1 set
- Automatic processing unit controller: configured by Fanuc R- 31iB (including wireless teaching hand box), 1 set; Siemens SIMATIC S7- 1200 programmable controller (PROFIBUS communication protocol), 1 set
- The 1st group of automatic hydraulic clamps: including 1 set of OP10 process hydraulic automatic clamps of TRM10- 2- 01, 3 sets of OP20 process hydraulic automatic clamps, and 1 set of OP10 process hydraulic automatic clamps of TRM20E- 2- 01, OP20 3 sets of hydraulic automatic clamp bridge plate pairs for the process. The bridge plate pair adopts unified positioning clamping and oil circuit interface, which can be quickly and manually replaced. The 2nd group of automatic hydraulic clamps: including 1 set of OP10 process hydraulic automatic clamps including TET16- 2- 01- R1, 3 sets of OP20 process hydraulic automatic clamps; and OP10 process hydraulic automatic clamp bridges of TRM15- 2- 01- R6 1 set, 3 sets of OP20 process hydraulic automatic clamp bridge plate pair. The bridge plate pair adopts a unified positioning clamping and oil circuit interface, which can be quickly and manually replaced
- Safety fence (net), 1 set

性能特点

PERFORMANCE

- This series of machine adopts the layout form of single column and side hanging box, and the table adopts the structure form of four-point positioning and manual rotation
- The X, Y, and Z axis are controlled by the CNC controller and can realize three axis linkage movement. The boring spindle feed can be controlled by servo motor(optional), which can realize the automatic expansion and contraction of the boring spindle
- The X, Y and Z axes adopt rectangular sliding guide way and PTFE plastic coating technology, which has good shock absorption and high precision
- The spindle box with balancing weight. The spindle and the face plate are controlled by AC servo motor

标准配置

STANDARD

- Fanuc Oi MF CNC controller
- Manual rotating table

选择配置

OPTION

- Optional mouse tooth structure CNC rotary table
360° X1° or 5° indexing

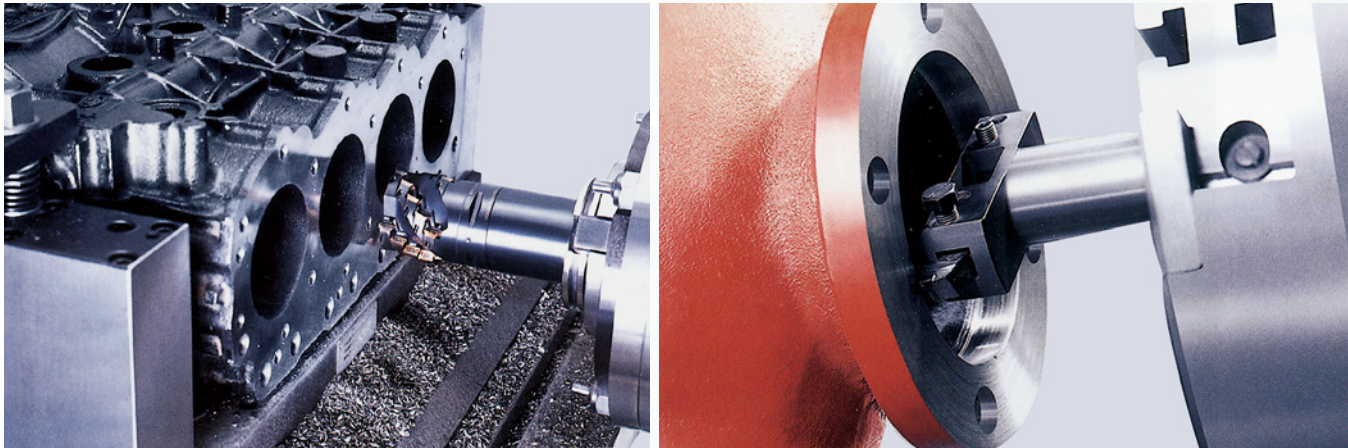
Main specifications	Unit	TPK611C
Spindle diameter	mm	φ 110
Z-axis Longitudinal travel of table	mm	1350
X-axis Transverse travel of table	mm	1250
Y-axis Headstock vertical travel	mm	900
W-axis axial travel	mm	550
Max. boring diameter	mm	φ 240
Max. drilling diameter	mm	φ 50
Max. allowable torque on spindle	N.m	1100
Table size	mm	1320X1010
Max. table load	kg	2500 (MANUAL) 5000 (CNC)
Distance from spindle nose to table surface	mm	5-905
Taper of spindle	--	BT50
Max. Machining diameter of facing head	mm	630
Feeding range	mm/min	0.2-330
Rapid feed speed (X/Y/Z)	mm/min	5000
Spindle speed range	rpm	12-1100
Facing head speed range	rpm	4-130
Feed speed range	mm/min	0.5-1000
Spindle motor power	kW	11/15
Positioning accuracy	mm	0.02/500
Repeat positioning accuracy	mm	0.014/500
Overall dimension	mm	5375X2995X3035
Machine weight	kg	12300

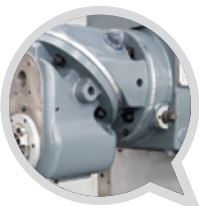
CNC BORING AND MILLING MACHINE



TPK611C

CNC BORING AND MILLING MACHINE





Rotary head with horizontal milling



XKA7150

CNC BED-TYPE MILLING MACHINE

XKW715

CNC BED-TYPE UNI VERSAL MILLING MACHINE



标准配置

STANDARD

选择配置

OPTION

- GSK 980M,HNC 808M CNC controller
- Fanuc 0i – MF Plus,KND2000M CNC controller

Main specifications	Unit	XKW715	XKA7150
Table travel (X、Y、Z)	mm	1500X550X650	1500X500X550
Table size	mm	2100X500	2000X400
T-slot (Width-Qty-Distance)	mm	20-4-100	18-3-100
Max. table load	kg	2000	2000
Distance from spindle nose to table surface	mm	0-650	130-680
Distance from spindle axis to column surface	mm	610	550
Distance from spindle axis to table surface	m/min	8-660	/
Cutting feed speed(X/Y/Z)	mm/min	2.5-3000/2.5-3000/2.5-2500	2.5-3000/2.5-3000/2.5-2500
Rapid feed speed range on X,Y,Z axis	mm/min	6000/6000/3000	6000/6000/3000
Spindle taper	--	ISO 50 (7:24)	ISO 50 (7:24)
Spindle speed range	rpm	35-1345 (12 steps)	66-1440 (12 steps)
Spindle motor power	kW	7.5	7.5
Feeding motor power	kW	2.5	3.8 (GSK)
Coolant motor power	W	550	90
Positioning accuracy (X/Y/Z)	mm	0.04/0.04/0.04	0.04/0.04/0.04
Repeat positioning accuracy(X/Y/Z)	mm	0.02/0.02/0.02	0.02/0.02/0.02
Machine weight	kg	7300	5300
Machine overall size	mm	3650X2380X2750	3000X2600X2550



XK5040/5032

CNC KNEE-TYPE VERTICAL MILLING MACHINE

XK6040/6032

CNC KNEE-TYPE HORIZONTAL MILLING MACHINE



标准配置

STANDARD

选择配置

OPTION

- GSK 980M,HNC 808M CNC controller
- Fanuc 0i – MF Plus,KND2000M CNC controller

Main specifications	Unit	XK6032	XK6040	XK5032	XK5040
Table travelX、Y、Z	mm	800X350X280	920X380X330	800X280X330	920X330X450
Table size	mm	1320X320	1700X400	1320X320	1700X400
T-slot (Width-Qty-Distance)	mm	18-3-70	18-3-90	18-3-70	18-3-90
Max. table load	kg	320	500	320	500
Distance from spindle nose to table surface	mm	/	/	60-390	50-500
Distance from spindle axis to table surface	mm	20-370	30-410	/	/
Distance from column vertical guideway to the center of table	mm	225-505	275-625	/	/
Rapid feed speed(X/Y/Z)	mm/min	6000/3000/6000	6000/3000/6000	6000/6000/3000	6000/6000/3000
Cutting feed speed(X/Y/Z)	mm/min	6000-3200/3-1600/6-3200	6-3200/3-1600/6-3200	6-3200 (3-1600)	6-3200 (3-1600)
Spindle taper	--	ISO 50 (7:24)	ISO 50 (7:24)	ISO 50 (7:24)	ISO 50 (7:24)
Spindle speed range	rpm	30-1500 (18 steps)	30-1500 (18 steps)	30-1500 (18 steps)	30-1500 (18 steps)
Spindle motor power	kW	7.5	11	7.5	11
Max. spindle torque	N.m	700	1000	700	1000
Longitudinal/transverse feed motor torque (X/Z)	N.m	12/12	12/12	12/12	12/12
Vertical feed motor torque (Y)	N.m	22	22	22	22
Machine weight	kg	2800	3850	2800	4250
Machine overall size	mm	1929X2055X1960	2310X2200X2394	1929X2055X1960	2310X2200X2394



产品领先 品牌驱动 全球经营

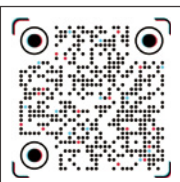
PRODUCT LEADERSHIP BRAND DRIVEN GLOBAL OPERATION

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Weida Website



Tiktok International



Tiktok China



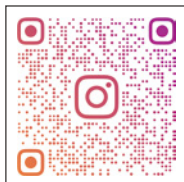
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