NEWAY

NEWAY CNC EQUIPMENT

Cat.NO.:E-PS-2026-01

01

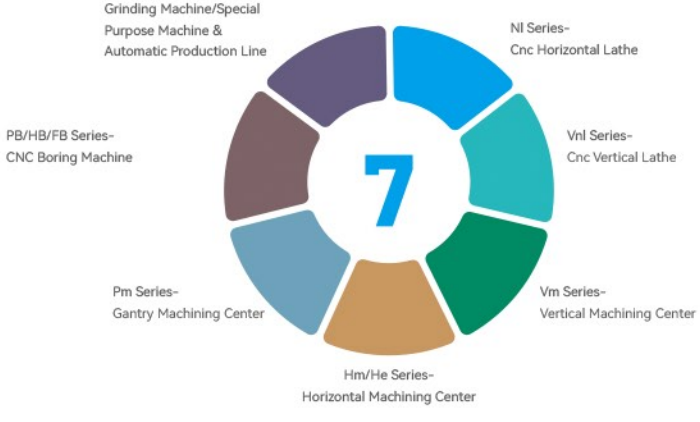
Neway CNC Equipment

Neway CNC Equipment (Suzhou) Co., LTD. (stock code: 688697) is located in Suzhou High-tech Zone, covering an area of 300,000 square meters, and is committed to the research and development, production and sales of medium and high class CNC machines. Our company attaches great importance to R&D investment and technological innovation, and has established a R&D team composed of more than 300 technical personnel, with rich experience and strong R & D capacity, to ensure our company's continuous innovative motivation.

Newway CNC will continue to focus on the large-scale general-purpose market, targeting high-end, intelligent, and green development directions, and focusing on civil aviation, new energy, rail transit, and other fields. Guided by terminal market demand and driven by independent research and development and technological innovation, the company will promote innovation, expand markets, and strive to provide users with complete cutting technology solutions.

1. Phase I plant: 47,000 square meters
   Main product: CNC horizontal lathe, CNC vertical lathe
2. Phase II plant: 47,500 square meters
   Main product: gantry machining center
3. Phase III plant: 47,500 square meters
   Main product: vertical machining center
   horizontal machining center
4. Phase IV plant: 65,000 square meters
   Main product: CNC boring machine
5. Phase V plant: 51,000 square meters(Under Construction)

7 series, 400+ models,
to achieve wide coverage of metal cutting field



02 Research & Development

Neway Machine Design and Research Institute

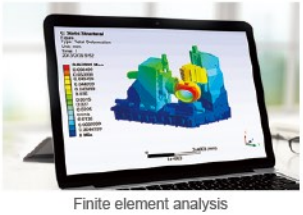
Neway Machine Design & Research Institute has more than 300 experienced R&D engineers, many senior engineers who enjoy special government allowance and have published many influential technical papers in famous machine tool publications. At present, the institute has set up more than 10 R&D departments, including CNC horizontal lathe R&D department, CNC vertical lathe R&D department, vertical machining center R&D department, horizontal machining center R&D department, double column machining center R&D department, CNC milling and boring machine R&D department, electrical R&D department, comprehensive research department, application engineering department, and functional component development department. All products are input into PLM system and SAP system after 3D optimization design and nite element analysis. We provide customers with excellent performance of production and machining equipments through strategic cooperation with internation-ally renowned machine tools enterprises and key parts manufacturers.

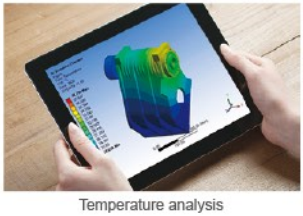


Design Tools of Research and Development

Neway R&D engineers use finite element and multi-body dynamics simulation technology to carry out mechanical modeling of the machine tool structure, and analyze the static and dynamic performance, vibration characteristics, and thermal characteristics of the model to provide accurate data basis for new product design and every structural change, and ensure product quality at the source.

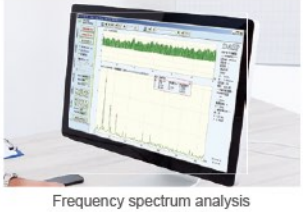
Using advanced optimization analysis algorithms such as topology optimization, shape optimization, size parameter optimization, and reliability design, the machine tool structure and various performance parameters are further optimized to achieve better performance of the designed product.

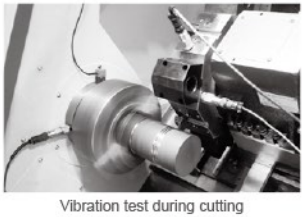

Finite element analysis


Temperature analysis


Intellient remote diagnosis


Dynamic analysis


Frequency spectrum analysis


Vibration test during cutting

R&D Management Platform

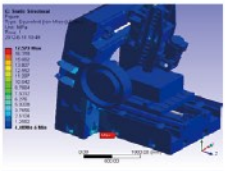
Neway introduced the well-known PLM system ——SIEMENS Teamcenter as a product life cycle management platform with the internal needs of continuous improvement of product management. Product management is standardized and streamlined through the advanced information management platform, so that the data can be efficiently transferred in the demand, research and development, production, inspection and other links, so as to realize the effective accumulation and transmission of product knowledge.

Product Design Management Platform

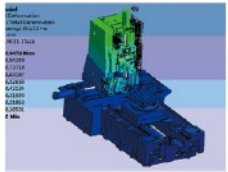
- Accumulation and transmission of design knowledge
- Innovative design of products
- Customized design, quick response to customer needs
- Parallel process improves design effectiveness
- Efficient management of R&D projects

R&D Software

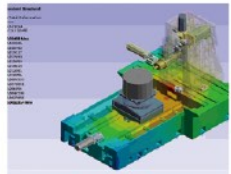
Using a series of advanced R&D softwares, such as Pro / Engineer and others to finish 3 D modeling, static analysis, dynamic analysis, mode analysis and thermodynamic analysis and structural optimization in the design stage, greatly improving the rigidity, thermal stability and precision retention of all machines.



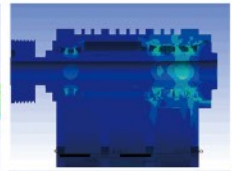
Lathe Stress and Strain



Structural intrinsic properties analysis



Dynamic performance analysis



Thermal performance analysis thermal stress diagram

03 Test Center

To continuously enhance product performance and quality, Newway CNC has established a Test Center. This center conducts testing and verification on CNC machine tools, key components, and core functional parts, so as to accelerate the optimization and iteration of products.

The Test Center is equipped with over 100 sets of various precision testing instruments and test benches, and has more than 20 professional technicians, engineers, and technical experts in positions covering complete machine performance, core functional parts, processing technology, and electrical performance. It has completed tests on self-developed components including 5-axis simultaneous milling heads, fully automatic universal milling heads, various accessory heads, 5-axis cradle rotary tables, CNC rotary worktables, precision motorized spindles, servo-powered tool turrets, and boring and facing heads. In addition, it carries out work such as testing and verification of various machine tool performance parameters, R&D verification of new products, research on precision cutting technology, compatibility research between functional parts and machine tool hosts, and research on machine tool reliability and accuracy retention technologies.

The Test Center houses a CNAS-accredited testing laboratory, and has obtained testing capabilities for six categories of machine tools (including 5-axis gantry machines) and five categories of core functional parts/accessories (including motorized spindles, swing heads, and rotary tables).

The Test Center is committed to the research and application of advanced testing technologies for machine tools. By improving the testing, verification, and screening standards for functional parts, enriching the company's machine tool performance database, and refining testing methods, it continuously enhances the reliability, consistency, and accuracy retention level of complete machines—so as to provide better products and services for customers.

Independent R&D of core functional components

Neway CNC Equipment invests tens of millions of research and development funds every year to independently develop the core functional components of the machine tool (gantry machining center milling head, HM rotary table, facing head, servo turret, spindle box, electric spindle, etc.), so as to continuously improve the performance of the machine tool.

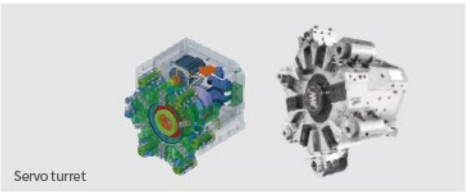

Milling head


HMC rotary table

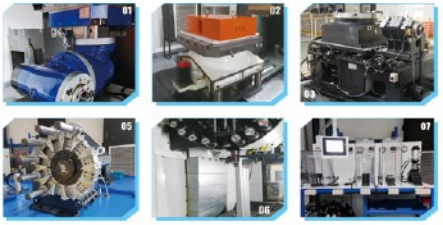

Facing head series


Lathe parts

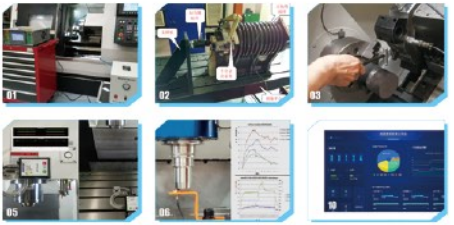

Electric spindle


Servo turret

Functional Components Test



Complete Machine Performance Test




DRAGONCRANE 32/10t

Factory Management

Neway adopts advanced ERP and CAM manufacturing resource management system to realize synchronous monitoring and manage-ment of the whole manufacturing process, and implements intelligent warehouse management system to manage factories and warehouses efficiently and orderly, and respond to production needs quickly and accurately.

OA Office System

- Paperless office
- Convenience and fast of daily application and approval, greatly improvement of work efficiency
- Regular comb, optimization and update of the process

PLM System

- Realize the standardization and process of product management
- Effectively accumulate and transfer product knowledge
- Realize the efficient flow of product data

ERP System

- Realize synchronous engineering and lean production
- Optimize the allocation of resource management system

SRM System

- Establish the supplier training and management mechanism
- Supervise and strengthen quality control and improve product quality

MES System

- Digitalization of production
- Traceability of process
- Normalization of process
- Elaboration of management

APS System

- Super high-speed schedule for multi-variety and multi-process production plan
- Visual and high-precision production scheduling management
- Realize shorter and accurate delivery time

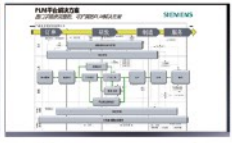
WMS Management System

- Apply the barcode technology to establish the target management information system
- Effectively solve the inventory and delivery management problems
- Automatic storage and delivery of materials

After-Sale CRM Management System

- Connection between the CRM system and the mobile terminal
- After-sales service information management
- Real-time tracking records to ensure the quality of service

OA Office System



PLM System

ERP System

SRM System

MES System

APS System

WMS Management System

After-Sale CRM Management System

Manufacturing workshop

World Class Machining Equipments

Neway is committed to provide users with excellent performance of CNC machines, has introduced dozens of world famous machining equipments: Spain ZAYER five-face double column machining center, Italy FAVRETTO guideway grinding machine, Germany STARRAGHECK-ERT horizontal machining center, Switzerland SIP high precision boring and milling center, Switzerland KELLENBERGER high precision CNC universal grinding machine, etc. The use of these equipments provides a reliable guarantee for the precision of the key parts of the machine.

ZAYER gantry milling center-Spain(25m)

ZAYER gantry milling center-Spain(10m)

SIP high precision boring & milling center--Swiss

SIP high precision boring & milling center--Swiss

FAVRETTO guideway grinding machine--Italy

STARRAGHECKERT horizontal milling center--Germany

KELLENBERGER grinding machine--Swiss

Spain DANOBAT universal grinding machine

07

360°solution

360°

Neway offers complete CNC machining solution.

Neway CNC has 7 categories and more than 400 models of CNC machines. We create a 360-degree solution with the goal of improving customer satisfaction, providing processing equipment for thousands of customers, and gradually developing towards automated processing and intelligent manufacturing, providing customers with a complete set of cutting technology solutions.

1 **CNC machines**
Full series medium and high class metal cutting machines

2 **Processing plan**
Provide complete processing solution according to customer's requirements

3 **Automated production line**
Realize"lights out" production

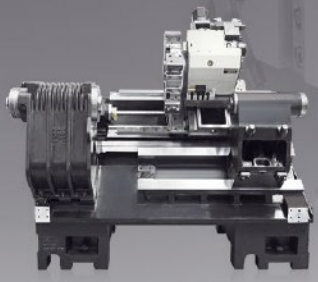
4 **Intelligent digitally managed and monitored factory**
IOT internet of things allows for real-time cloud-based monitoring of assets.

5 **CNC machines**
Diagnose and troubleshoot by remote control.


Insuring Customer Satisfaction by
01 Network of Distribution
More than 60 branches and distributors in different countries to serve customers faster.
02 Configuration Plans
Neway experienced process engineers and R&D engineers can offer the best cutting process and proper configuration plan .
03 Test Cutting
Professional pre-sales technical support engineers provide trial cutting processing services, demonstrate cutting solutions, and meet customer needs.
04 Purchase Agreement
Business and technical discussion to ensure consensus.
05 Producing
Produce the machines according to purchase order and producing plan, fully guarantee customer's delivery requirements.
06 Inspection, Calibration, and Acceptance
The quality inspection personnel have undergone more than 300 strict inspections from components to finished products in accordance with the company's internal control standards to ensure product quality.
07 On-site Training
Neway can provide a complete set of training plans according to customer's requirements; evaluate the training effect and issue certificates after trainee passing the results.
08 Service
Proactively, quickly and effectively provide service, and regularly provide machine tool maintenance guidance.

CONTENT

Linear Guideway Slant Bed CNC Lathe (Two-Axis Type)



Two-Axis Type						
Item	Unit	NL161	NL251	NL251P	NL252	NL252P
Max. Swing over Bed	mm	Φ500	Φ550		Φ550	
Max. Swing over Saddle	mm	Φ300	Φ330		Φ370	
Max. Turning Diameter	mm	Φ320	Φ360	Φ320	Φ360	
Max. Turning Length	mm	320	330		550	
Max. Bar Capacity	mm	Φ44	Φ44	Φ51	Φ44	Φ51
Spindle Speed	rpm	6000	5000		5000	
Spindle End	ISO	A2-5	A2-6		A2-6	
Spindle Bore	mm	Φ56	Φ56	Φ62	Φ56	Φ62
Spindle Motor Power	kW	5.5/7.5	7.5/11	11/15	7.5/11	11/15
Hydraulic Chuck	inch	Hollow6"	Hollow8" [Solid8"/Solid(Hollow)10"]		Hollow8" [Solid8"/Solid(Hollow)10"]	
Tailstock Quill Diameter	mm	Φ65	Φ75		Φ75	
Tailstock Quill Travel	mm	80	80		80	
Tailstock Taper	Morse	4# Live Center	4# Live Center		4# Live Center	
Travel X/Z	mm	180/350	210/330		210/550	
Rapid Traverse X/Z	m/min	30/30	24/30	30/36	24/30	30/36
Position	-	8 Servo	8 Servo	12 Servo	8 Servo	12 Servo
External Turning Tool Holder	mm	25×25	25×25		25×25	
Boring Tool Holder	mm	Φ40	Φ40		Φ40	
Power Capacity	kVA	15	20	25	20	25
Machine Dimension (L*W*H)	mm	1850×2250×1550	3530×1710×1655		3870×1710×1655	
Machine Weight	kg	2600	3200		3800	
CNC Controller	-	NEWAY FANUC [SIEMENS]	NEWAY FANUC [SIEMENS]		NEWAY FANUC [SIEMENS]	
Auto Chip Conveyor	-	Rear-Way	Right-Way[Rear-Way]		Right-Way[Rear-Way]	

Note for CNC Lathe: [ ] Option

S - Sub-spindle
P - Plus Version
M - Milling Function
Y - Turning Center with Y-axis
Z - Gear Spindle
G - Gang Tooling Type
L - Servo Tailstock
V - Built-in Motor Spindle
T - Double Turret
U - Five Axis

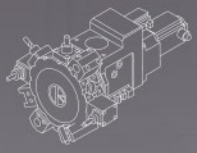
Linear Guideway Slant Bed CNC Lathe (Two-Axis Type)

Two-Axis Type					
Item	Unit	NL253	NL253P	NL403	NL405
Max. Swing over Bed	mm	Φ550		Φ660	
Max. Swing over Saddle	mm	Φ370		Φ480	
Max. Turning Diameter	mm	Φ360	Φ320	Φ500	
Max. Turning Length	mm	810		770	1250
Max. Bar Capacity	mm	Φ44	Φ66	Φ74	
Spindle Speed	rpm	5000	4000	3500	
Spindle End	ISO	A2-6		A2-8	
Spindle Bore	mm	Φ56	Φ76	Φ86	
Spindle Motor Power	kW	7.5/11	11/15	15/18.5	
Hydraulic Chuck	inch	Hollow8" [Solid8"/Solid(Hollow)10"]		"Solid10"" [Hollow10""/Solid(Hollow)12""]"	
Tailstock Quill Diameter	mm	Φ100		Φ100	
Tailstock Quill Travel	mm	100		100	
Tailstock Taper	Morse	5# Live Center		5# Live Center	
Travel X/Z	mm	210/830		280/800	280/1280
Rapid Traverse X/Z	m/min	24/30	30/36	24/30	
Position	-	8 Hydraulic	12 Hydraulic	12 Hydraulic	
External Turning Tool Holder	mm	25×25		25×25	
Boring Tool Holder	mm	Φ40		Φ40	
Power Capacity	kVA	25		30	
Machine Dimension (L*W*H)	mm	4160×1820×1820	4105×1820×1820	4490×1880×1750	5040×1880×1840
Machine Weight	kg	4200		4100	4600
CNC Controller	-	NEWAY FANUC [SIEMENS]		NEWAY FANUC [SIEMENS]	
Auto Chip Conveyor	-	Right-Way [Rear-Way/Left-Way]		Right-Way [Rear-Way/Left-Way]	Right-Way [Left-Way]

Note for CNC Lathe: [ ] Option

S - Sub-spindle
P - Plus Version
M - Milling Function
Y - Turning Center with Y-axis
Z - Gear Spindle
G - Gang Tooling Type
L - Servo Tailstock
V - Built-in Motor Spindle
T - Double Turret
U - Five Axis

Linear Guideway Slant Bed CNC Lathe (With C-Axis+Live Turret)



With C-Axis					
Item	Unit	NL161M	NL251M	NL252M	NL253M
Max. Swing over Bed	mm	Φ500	Φ550	Φ550	Φ550
Max. Swing over Saddle	mm	Φ300	Φ330	Φ370	Φ370
Max. Turning Diameter	mm	Φ240	Φ290	Φ290	Φ290
Max. Turning Length	mm	320	260	480	725
Max. Bar Capacity	mm	Φ44	Φ51	Φ51	Φ51
Spindle Speed	rpm	6000	5000	5000	5000
Spindle End	ISO	A2-5	A2-6	A2-6	A2-6
Spindle Bore	mm	Φ56	Φ62	Φ62	Φ62
Spindle Motor Power	kW	5.5/7.5	11/15	11/15	11/15
Hydraulic Chuck	inch	Hollow6" [Solid6"Solid(Hollow)8"]	Hollow8" [Solid8"]		
Tailstock Quill Diameter	mm	-	Φ75	Φ75	Φ100
Tailstock Quill Travel	mm	-	80	80	100
Tailstock Taper	Morse	-	4#Live Center	4#Live Center	5#Live Center
Travel X/Z	mm	180/350	180/330	180/550	180/830
Rapid Traverse X/Z	m/min	30/30	24/30	24/30	24/30
Live Tool Position	mm	12(VDI 20)	12 (BMT55)	12 (BMT55)	12 (BMT55)
Live Tool Max. Speed	rpm	4000	4000	4000	4000
Turning Tool Holder	mm	16×16	25×25	25×25	25×25
Boring Tool Holder	mm	Φ16	Φ40	Φ40	Φ40
Max. Drilling	mm	Φ12×0.14	Φ14×0.15	Φ14×0.15	Φ14×0.15
Max. Tapping	mm	M8×1.5/M14×1	M10×1.5/M24×1	M10×1.5/M24×1	M10×1.5/M24×1
Max. Slotting	mm	Φ12×8×45	Φ16×12×40	Φ16×12×40	Φ16×12×40
Power Capacity	kVA	20	30	30	30
Machine Dimension (L×W×H)	mm	1850×2250×1550	3530×1710×1655	3870×1710×1655	4160×1820×1820
Machine Weight	kg	2600	3200	3800	4200
CNC Controller	-	NEWAY FANUC[SIEMENS]			
Auto Chip Conveyor	-	Rear-Way	Right-Way [Rear-Way]	Right-Way [Rear-Way]	Right-Way [Left-Way/Rear-Way]

Note for CNC Lathe: [ ] Option

S - Sub-spindle
M - Milling Function
Z - Gear Spindle
L - Servo Tailstock
T - Double Turret
P - Plus Version
Y - Turning Center with Y-axis
G - Gang Tooling Type
V - Built-in Motor Spindle
U - Five Axis

Linear Guideway Slant Bed CNC Lathe (With C-Axis+Live Turret)

With C-Axis			
Item	Unit	NL403M	NL405M
Max. Swing over Bed	mm	Φ660	
Max. Swing over Saddle	mm	Φ480	
Max. Turning Diameter	mm	Φ400	
Max. Turning Length	mm	700	1180
Max. Bar Capacity	mm	Φ74	
Spindle Speed	rpm	3500	
Spindle End	ISO	A2-8	
Spindle Bore	mm	Φ86	
Spindle Motor Power	kW	15/18.5	
Hydraulic Chuck	inch	Solid10" [Hollow10"/Solid(Hollow)12"]	
Tailstock Quill Diameter	mm	Φ100	
Tailstock Quill Travel	mm	100	
Tailstock Taper	Morse	5#Live Center	
Travel X/Z	mm	280/800	280/1280
Rapid Traverse X/Z	m/min	24/30	
Live Tool Position	mm	12(BMT55)	
Live Tool Max. Speed	rpm	4000	
Turning Tool Holder	mm	25×25	
Boring Tool Holder	mm	Φ40	
Max. Drilling	mm	Φ14×0.16	
Max. Tapping	mm	M10×1.5/M24×1	
Max. Slotting	mm	Φ16×12×40	
Power Capacity	kVA	35	
Machine Dimension (L×W×H)	mm	4490(Right-Way chip conveyor included)×1880×1750	5040(Right-Way chip conveyor included)×1880×1840
Machine Weight	kg	4100	4600
CNC Controller	-	NEWAY FANUC[SIEMENS]	
Auto Chip Conveyor	-	Right-Way [Left-Way/Rear-Way]	Right-Way [Left-Way]

Note for CNC Lathe: [ ] Option

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V - Built-in Motor Spindle
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U - Five Axis

Box-Way Slant Bed CNC Lathe (Two-Axis Type)

Two-Axis Type							
Item	Unit	NL502	NL504	NL634	NL634Z	NL635	NL635Z
Max. Swing over Bed	mm	Φ660		Φ770		Φ770	
Max. Swing over Saddle	mm	Φ480		Φ640		Φ640	
Max. Turning Diameter	mm	Φ500		Φ630		Φ630	
Max. Turning Length	mm	570	1070	1000		1500	
Max. Bar Capacity	mm	Φ74		Φ74	Φ89	Φ74	Φ89
Spindle Speed	rpm	3500		2000	1000	2000	1000
Spindle End	ISO	A2-8		A2-8	A2-11	A2-8	A2-11
Spindle Bore	mm	Φ86		Φ92	Φ106	Φ92	Φ106
Spindle Motor Power	kW	22/26		22/26		22/26	
Tailstock Quill Diameter	mm	Φ100		Φ130		Φ130	
Tailstock Quill Travel	mm	100		120		120	
Tailstock Taper	Morse	5#		5#		5#	
Hydraulic Chuck	inch	Solid10" [Hollow10"]		Solid12" [Hollow12"]	Solid15" [Hollow15"]	Solid12" [Hollow12"]	Solid15" [Hollow15"]
Travel X/Z	mm	280/600	280/1100	350/1100		350/1600	
Rapid Traverse X/Z	m/min	16/20		12/16		12/16	
Tool Position	-	12 Servo		12 Servo		12 Servo	
External Turning Tool Holder	mm	25×25		32×32		32×32	
Boring Tool Holder	mm	Φ40		Φ50		Φ50	
Power Capacity	kVA	35		35		35	
Machine Dimension (L*W*H)	mm	4290×1880×1750	4790×1880×1750	5230×2050×2050		5770×2100×2205	
Machine Weight	kg	4000	4500	7000	7100	7500	7600
CNC Controller	-	NEWAY FANUC					
Auto Chip Conveyor	-	Right-Way[Left-Way]					

Note for CNC Lathe: [ ] Option

S - Sub-spindle **M** - Milling Function **Z** - Gear Spindle **L** - Servo Tailstock **T** - Double Turret
P - Plus Version **Y** - Turning Center with Y-axis **G** - Gang Tooling Type **V** - Built-in Motor Spindle **U** - Five Axis

Box-Way Slant Bed CNC Lathe (Two-Axis Type)

Two-Axis Type						
Item	Unit	NL636	NL636Z	NL638	NL638Z	HL805H
Max. Swing over Bed	mm	Φ770		Φ770		Φ850
Max. Swing over Saddle	mm	Φ640		Φ640		Φ630
Max. Turning Diameter	mm	Φ630		Φ630		Φ800
Max. Turning Length	mm	2000		3000		1500
Max. Bar Capacity	mm	Φ89		Φ89		Φ89
Spindle Speed	rpm	2000	1000	2000	1000	1250
Spindle End	ISO	A2-11		A2-11		A2-11
Spindle Bore	mm	Φ106		Φ106		Φ106
Spindle Motor Power	kW	22/26		22/26		△ 22/30 (Y18.5/30)
Tailstock Quill Diameter	mm	Φ130		Φ130		Φ160
Tailstock Quill Travel	mm	120		120		180
Tailstock Taper	Morse	5#		5#		5#
Hydraulic Chuck	inch	Solid12" [Hollow12"]	Solid15" [Hollow15"]	Solid12" [Hollow12"]	"Solid15" [Hollow15"]	Hollow15" [Solid15"Solid(Hollow)18"]
Travel X/Z	mm	350/2100		350/3100		425/1600
Rapid Traverse X/Z	m/min	12/16		12/16		8/12
Tool Position	-	12 Servo		12 Servo		12 Hydraulic
External Turning Tool Holder	mm	32×32		32×32		32×25
Boring Tool Holder	mm	Φ50		Φ50		Φ50
Power Capacity	kVA	35		35		45
Machine Dimension (L*W*H)	mm	6890×2245×2140 (Estimated)		8020×2350×2300 (Estimated)		7000×2360×2430
Machine Weight	kg	8200 (Estimated)	8300 (Estimated)	9300 (Estimated)	9400 (Estimated)	15000
CNC Controller	-	NEWAY FANUC				
Auto Chip Conveyor	-	Right-Way[Left-Way]				

Note for CNC Lathe: [ ] Option

S - Sub-spindle
M - Milling Function
Z - Gear Spindle
L - Servo Tailstock
T - Double Turret
P - Plus Version
Y - Turning Center with Y-axis
G - Gang Tooling Type
V - Built-in Motor Spindle
U - Five Axis

Box-Way Slant Bed CNC Lathe
(With C-Axis+Live Turret)

With C-Axis							
Item	Unit	NL502M	NL504M	NL634M	NL635M	NL636M	NL638M
Max. Swing over Bed	mm	Φ660		Φ770		Φ770	
Max. Swing over Saddle	mm	Φ480		Φ640		Φ640	
Max. Turning Diameter	mm	Φ400		Φ560		Φ560	
Max. Turning Length	mm	500		1000	1500	2000	3000
Max. Bar Capacity	mm	Φ74		Φ77		Φ89	
Spindle Speed	rpm	3500		2000		2000	
Spindle End	ISO	A2-8		A2-8		A2-11	
Spindle Bore	mm	Φ86		Φ92		Φ106	
Spindle Motor Power	kW	15/18.5		15/18.5		15/18.5	
Hydraulic Chuck	inch	Solid10"		Solid12"[Hollow12"]		Solid12"	
Tailstock Quill Diameter	mm	Φ100		Φ130		Φ130	
Tailstock Quill Travel	mm	100		120		120	
Tailstock Taper	Morse	5#		5#		5#	
Travel X/Z	mm	280/600	280/1100	350/1100	350/1600	350/2100	350/3100
Rapid Traverse X/Z	m/min	16/20		12/16		12/16	12/10
Live Tool Position	mm	12 (BMT55)		12 (BMT65)		12 (BMT65)	
Live Tool Max. Speed	rpm	4000		4000		4000	
Turning Tool Holder	mm	25×25		25×25		25×25	
Boring Tool Holder	mm	Φ40		Φ50		Φ50	
Max. Drilling	mm	Φ14×0.16		Φ16×0.2		Φ16×0.2	
Max. Tapping	mm	M10×1.5/M24×1		M14×2/M20×1.5		M14×2/M20×1.5	
Max. Slotting	mm	Φ16×12×40		Φ20×12×40		Φ20×12×40	
Power Capacity	kVA	35		55		55	
Machine Dimension (L×W×H)	mm	4290*1880*1750	4790*1880*1750	5230×2050×2050	5770×2100×2205	6890×2245×2240	8020×2350×2300
Machine Weight	kg	4000	4500	7000	7500	8200	9300
CNC Controller	-	NEWAY FANUC		NEWAY FANUC		NEWAY FANUC	
Auto Chip Conveyor	-	Right-Way [Left-Way]		Right-Way [Left-Way]		Right-Way [Left-Way]	

Note for CNC Lathe: [ ] Option

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U - Five Axis

Linear Guideway Turning Center with Y-Axis

Linear Guideway + Y-Axis						
Item	Unit	NL301Y	NL302Y	NL403Y	NL403SY	NL405Y
Max. Swing over Bed/Saddle	mm	Φ620/Φ410		Φ660/Φ480	Φ480(over saddle)	Φ660/Φ480
Max. Machining Dia.	mm	Φ300		Φ400	Φ300	Φ400
Max. Machining Length	mm	300	550	700	600	1180
Spindle Bore	mm	Φ62		Φ86		
Max. Bar Capacity	mm	Φ51		Φ74		
Travel X/Z/Y	mm	210/400/±52.5	210/600(Z1)/ 550(Z2)/±52.5	280/800/±50	220/700/±50	280/1280/±50
Spindle Motor Power	kW	11/15		15/18.5	15/18.5(Main) 5.5/7.5(Sub)	15/18.5
Spindle End	-	A2-6		A2-8	A2-8(Main) A2-5(Sub)	A2-8
Spindle Center to floor	mm	1060		1050	/	1050
Max. Spindle Speed	r/min	5000		30~3500	30-3500(Main) 30-5000(SUb)	30~3500
Chuck	inch	8 Hollow		10 Solid	10 Solid(Main) 6 Solid(Sub)	10 Solid
Rapid Traverse X/Z	m/min	30/30	30/30/10(Z2)	24/30	24/30(Z) 12(Zb)	24/30
Rapid Traverse Y	m/min	10		10		
Tool Position	-	12 (BMT55)		12 (BMT55)		
Live Tool Max. Speed	r/min	4000		4000		
Tool Shank Size	mm	Φ55		Φ55		
Turning Tool Holder	mm	25x25		25x25		
Boring Tool Holder	mm	Φ40		Φ40		
Max. Drilling	mm	Φ14x0.15		Φ14x0.16		
Max. Tapping	mm	M10x1.5/M24x1		M10x1.5/M24x1		
Max. Slotting	mm	Φ16x12x40		Φ16x12x40		
Power Capacity	kVA	25	30	35	50	35
Machine Dimension (L*W*H)	mm	3855×1970×1955	4105×1970×1955	4490(Right-Way chip conveyor included)×1880×1900	4490×1880×1900	5040(Right-Way chip conveyor included)×1880×1990
Machine Weight	kg	3800	4200	4200	4500	4700

Note for CNC Lathe: [ ] Option

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Box-Way Turning Center with Y-Axis

Box Way + Y-Axis					
Item	Unit	NL634Y	NL635Y	NL636Y	NL638Y
Max. Swing over Bed/Saddle	mm	Φ770/Φ640		Φ770/Φ640	
Max. Machining Dia.	mm	Φ560		Φ560	
Max. Machining Length	mm	860	1360	1860	2860
Spindle Bore	mm	Φ92		Φ106	
Max. Bar Capacity	mm	Φ74		Φ89	
Travel X/Z/Y	mm	350/960/±60	350/1460/±60	350/1960/±60	
Spindle Motor Power	kW	15/18.5		15/18.5	
Spindle End	-	A2-8		A2-11	
Spindle Center to floor	mm	1120		1120	
Max. Spindle Speed	r/min	2000		2000	
Chuck	inch	12 Solid		12 Solid	
Rapid Traverse X/Z	m/min	12/16		12/16	12/10
Rapid Traverse Y	m/min	8		8	
Live Tool Position	-	12		12	
Live Tool Max. Speed	r/min	4000		4000	
Tool Shank Size	mm	BMT65		BMT65	
Turning Tool Holder	mm	25x25		25x25	
Boring Tool Holder	mm	Φ50		Φ50	
Max. Drilling	mm	Φ16×0.2		Φ16×0.2	
Max. Tapping	mm	M14×2/M20×1.5		M14×2/M20×1.5	
Max. Slotting	mm	Φ20×12×40		Φ20×12×40	
Machine Weight	kg	7100	7600	8300	9400

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Turning & Milling Center with Multi-Turret

Multi-Turret			
Item		Unit	NLT322SY
Max. Swing Dia.		mm	Φ314
Max. Turning Diameter		mm	Φ314
Max. Turning Length		mm	550
Spindle	Max. Speed	rpm	4500
	Power Output	kW	Built-in Motor 22/25
	Spindle End	ISO	A2-6
	Spindle Center to floor	mm	1280
	Spindle Bore	mm	Φ66
	Max. Bar Capacity	mm	Φ51
	Hydraulic Chuck	inch	8 (Hollow)
Sub-Spindle	Max. Speed	rpm	4500
	Power Output	kW	Built-in Motor 22/25
	Spindle End	ISO	A2-6
	Spindle Bore	mm	Φ66
	Max. Bar Capacity	mm	Φ51
	Hydraulic Chuck	inch	8 (Hollow)
Travel X1/X2/Z1/Z2		mm	200/200/650/650
Travel Y		mm	100(±50)
Rapid Traverse X1/X2/Z1/Z2		m/min	30/30/36/36
Rapid Traverse Y		m/min	15
Tool Position (Double)		mm	12×2 (BMT65)
Live Tool Max. Speed		rpm	5000
Turning Tool Holder		mm	25×25
Boring Tool Holder		mm	Φ40
Max. Drilling		mm	Φ16×0.2
Max. Tapping		mm	M14×2/M20×1.5
Max. Slotting		mm	Φ20×12×40
Power Capacity		kVA	80
Machine Dimension (L×W×H)		mm	4500×2500×2350
Machine Weight		kg	8500
Auto Chip Conveyor		-	Right-Way [Left-Way/Rear-Way]

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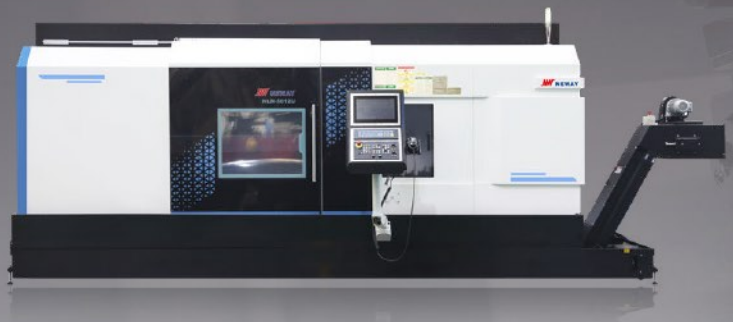
Turning & Milling Center with Multi-Turret



5-Axis Mill-Turn Center			
Item		Unit	NLM5012U
Process	Max. Process Dia.	mm	Φ500
	Max. Process Length	mm	1200
Main-Spindle	Max. Speed	rpm	3500
	Power(rated)	kW	36.9
	Torque	Nm	320/693
	End	-	A2-8
	Bore	mm	Φ88
	Max. Bar Capacity	mm	Φ74
	Hydraulic Chuck	inch	10"
Sub-Spindle	Max. Speed	rpm	3500
	Power(rated)	kW	26.5
	Torque	Nm	220/606
	End	-	A2-8
	Bore	mm	Φ88
	Max. Bar Capacity	mm	Φ74
	Hydraulic Chuck	inch	10"
Mill-Spindle	Tool	-	HSK-63
	Max. Speed	rmp	12000
	Power	kW	18.5/22
B-Axis	Drive Torque	Nm	300/600
	Max. Speed	rmp	70
	Swing Head Angle	°	±120
Travel X/Y/Z		mm	510/±120/1300
Rapid Traverse X/Y/Z		mm	30
Power Capacity		kVA	95
Coolant Tank		L	600
Machine Dimension (L×W×H)		mm	6630×2900x2450
Machine Weight		kg	9000

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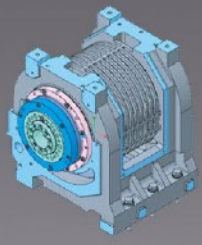
Slant Bed CNC Lathe - Built-in Spindle Type



Item	Unit	NL161V	NL251V	NL252V	NL253V	NL403V	NL405V	NL502V	N504V
Max. Swing over Bed	mm	Φ500	Φ550	Φ550	Φ550	Φ660	Φ660	Φ660	Φ660
Max. Swing over Saddle	mm	Φ300	Φ330	Φ370	Φ370	Φ480	Φ480	Φ480	Φ480
Max. Turning Diameter	mm	Φ320	Φ360	Φ360	Φ360	Φ500	Φ500	Φ500	Φ500
Max. Turning Length	mm	320	330	550	830	770	1250	570	1070
Max. Bar Capacity	mm	Φ44	Φ44	Φ44	Φ44	Φ74	Φ74	Φ74	Φ74
Spindle Speed	rpm	6000	5000	5000	5000	4000	4000	4000	4000
Spindle End	ISO	A2-5	A2-6	A2-6	A2-6	A2-8	A2-8	A2-8	A2-8
Spindle Center to floor	mm	915	1000	1000	1000	1050	1050	1050	1050
Spindle Bore	mm	Φ56	Φ56	Φ56	Φ56	Φ86	Φ86	Φ86	Φ86
Spindle Motor Power	kW	11.6/14.4	11/15	11/15	11/15	22/26	22/26	22/26	22/26
Hydraulic Chuck	inch	Hollow6" [Solid6""/Solid (Hollow)8"]	Hollow8" [Solid8"/Solid(Hollow)10"]			Solid10" [Hollow10"/Solid(Hollow)12"]			
Tailstock Quill Diameter	mm	/	-	Φ75	Φ100	Φ100	Φ100	Φ100	Φ100
Tailstock Quill Travel	mm	/	-	80	100	100	100	100	100
Tailstock Taper	Morse	/	4#(Live Center)	4#(Live Center)	5#(Live Center)	5#(Live Center)	5#(Live Center)	5#(Live Center)	5#(Live Center)
Travel X/Z	mm	180/350	210/330	210/550	210/830	280/800	280/1280	280/1280	280/1280
Rapid Traverse X/Z	m/min	30/30	24/30	24/30	24/30	24/30	24/30	24/30	24/30
Tool Position(servo)	-	8	8	8	8	12	12	12	12
External Turning Tool Holder	mm	20×20	25×25	25×25	25×25	25×25	25×25	25×25	25×25
Boring Tool Holder	mm	Φ32	Φ40	Φ40	Φ40	Φ40	Φ40	Φ40	Φ40
Power Capacity	kVA	15	25	25	25	45	45	45	45
Machine Dimension (L*W*H)	mm	1850×2250 ×1550	3530×1710 ×1655	3870×1710 ×1655	4105×1820 ×1820	4200×1880 ×1750	4750×1880 ×1840	4000×1880 ×1750	4700×1880 ×1750
Machine Weight	kg	2600	3200	3800	4200	4100	4600	4000	4500

Note for CNC Lathe: [ ] Option

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Slant Bed CNC Lathe - Economical Type

Item	Unit	NC3633	NC3655	NC5055	NL03GY	NL161G	NL201HG
Max. Swing over Bed	mm	Φ550		Φ660	Φ300	Φ520	Φ590
Max. Swing over Saddle	mm	Φ330	Φ370	Φ480	Φ70	Φ110	Φ200
Max. Turning Diameter	mm	Φ360		Φ500	/	/	Φ200
Max. Turning Length	mm	330	550	550	100	300	350
Max. Bar Capacity	mm	/		/	Φ30	Φ39	Φ44
Spindle Speed	rpm	4000		4000	6000	5000	6000
Spindle End	ISO	A2-5		A2-6	A2-4	A2-5	A2-5
Spindle Bore	mm	Φ56		Φ62	Φ43	Φ46	Φ56
Spindle Motor Power	kW	11/15		11/15	3.7/5.5	5.5/7.5	7.5/11
Hydraulic Chuck	inch	8"		8"	Hydraulic collet Φ30	Hollow6"Solid6"/ Solid(Hollow)8"	Hollow6"Solid6"/ Solid(Hollow)8"
Travel X/Z(/Y)	mm	240/330	240/550	280/600	280/280/115	400/350	470/350
Rapid Traverse X/Z	m/min	24/30		16/20	18/18/18	24/24	30/30
Tool Position	-	8		8	1-6 (Gang Tool)	1-4 (Gang Tool)	1-6 (Gang Tool)
Turning Tool Holder	mm	25×25		25×25	16×16	20×20	20×20
Boring Tool Holder	mm	Φ40		Φ40	Φ25	Φ25	Φ32
Power Capacity	kVA	25		25	20	20	25
Machine Dimension (L*W*H)	mm	2750×1815×1710	3090×1815×1710	3370×1880×1750	1450×2400×1755	1965×1690×1710	3150×1825×2000
Machine Weight	kg	3000	3600	3800	1750	2350	3000
CNC Controller	-	GSK 988TA		GSK 988TA	FANUC	GSK 988TA	NEWAY FANUC [SIEMENS]
Auto Chip Conveyor	-	/		/	Auto Rear-way	Rear-Way, Manual	Right-Way[Rear-Way]

Note for CNC Lathe: [ ] Option

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Flat Bed CNC Lathe - NC Series
(Load Capacity: 4 t)

		NC 85 Series			NC 100 Series		
Item	Unit	NC8515	NC8530	NC8550	NC10015	NC10030	NC10050
Max. Swing Diameter	mm	Φ850 (Bed) / Φ510 (Saddle)			Φ1000(Bed) / Φ670 (Saddle)		
Max. Machining Diameter	mm	Φ800 (Disc-type) / Φ510 (Shaft-type)			Φ1000 (Disc-type) / Φ670(Shaft-type)		
Max. Turning Length	mm	1350	2850	5000	1350	2850	5000
Max. Workpiece Weight	kg	4000			4000		
X-Axis Travel	mm	420			530		
Z-Axis Travel	-	1350	2850	5000	1350	2850	5000
Spindle Nose Type	-	A2-11			A2-11		
Spindle Centering Taper	-	14°15'			14°15'		
Spindle Taper Hole Taper	-	Metric 120			Metric 120		
Spindle Through-hole Diameter	mm	Φ100			Φ100		
Spindle Speed Range	r/min	800			800		
Tailstock Quill Diameter	mm	Φ125			Φ125		
Tailstock Quill Travel	mm	250			250		
Tailstock Spindle Taper Hole Taper	-	Morse 6#			Morse 6#		
Tool Shank Size	mm	32x32			32x32		
Manual 4-Jaw Chuck	mm	Φ500			Φ800		
spindle motor power	kW	18.5/22			8.5/22		
Rapid Traverse (X/Z)	m/min	6/10			6/10		
CNC System	-	GSK			GSK		
Machine Weight	kg	6500	7600	9065	6700	8000	9735

Note for CNC Lathe: [ ] Option

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Flat Bed CNC Lathe - NC Series
(Load Capacity: 6 t)

		NC 100 Series			NC 125 Series		
Item	Unit	NC10015P	NC10030P	NC10050P	NC12515	NC12530	NC12550
Max. Swing Diameter	mm	Φ1000(Bed) / Φ650 (Saddle)			Φ1250(Bed) / Φ900 (Saddle)		
Max. Machining Diameter	mm	Φ1000 (Disc-type) / Φ650(Shaft-type)			Φ1250 (Disc-type) / Φ900(Shaft-type)		
Max. Turning Length	mm	1500	3000	5000	1500	3000	5000
Max. Workpiece Weight	kg	6000			6000		
X-Axis Travel	mm	550			650		
Z-Axis Travel	-	1500	3000	5000	1500	3000	5000
Spindle Nose Type	-	A2-15			A2-15		
Spindle Centering Taper	-	14°15'			14°15'		
Spindle Taper Hole Taper	-	Metric 140			Metric 140		
Spindle Through-hole Diameter	mm	Φ130			Φ130		
Spindle Speed Range	r/min	600			600		
Tailstock Quill Diameter	mm	Φ160			Φ160		
Tailstock Quill Travel	mm	300			300		
Tailstock Spindle Taper Hole Taper	-	Morse 6#			Morse 6#		
Tool Shank Size	mm	40x40			40x40		
Manual 4-Jaw Chuck	mm	Φ1000			Φ1000		
spindle motor power	kW	22/30			22/30		
Rapid Traverse (X/Z)	m/min	6/6			6/6		
CNC System	-	GSK			GSK		
Machine Weight	kg	9800	11200	13900	10400	11800	14500

Note for CNC Lathe: [ ] Option

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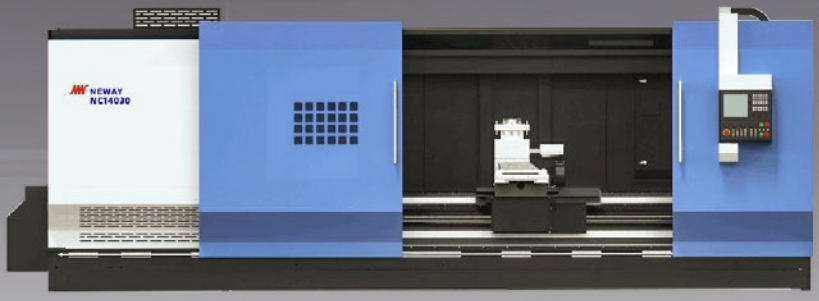
Flat Bed CNC Lathe - NC Series
(Load Capacity: 10 t)



		NC 140 Series			NC 160 Series		
Item	Unit	NC14015	NC14030	NC14050	NC16015	NC16030	NC16050
Max. Swing Diameter	mm	Φ1400(Bed) / Φ1050 (Saddle)			Φ1600(Bed) / Φ1250 (Saddle)		
Max. Machining Diameter	mm	Φ1400 (Disc-type) / Φ1050(Shaft-type)			Φ1600 (Disc-type) / Φ1250(Shaft-type)		
Max. Turning Length	mm	1500	3000	5000	1500	3000	5000
Max. Workpiece Weight	kg	10000			10000		
X-Axis Travel	mm	750			835		
Z-Axis Travel	-	1500	3000	5000	1500	3000	5000
Spindle Nose Type	-	A2-15			A2-15		
Spindle Centering Taper	-	14°15'			14°15'		
Spindle Taper Hole Taper	-	Metric 140			Metric 140		
Spindle Through-hole Diameter	mm	Φ130			Φ130		
Spindle Speed Range	r/min	400			400		
Tailstock Quill Diameter	mm	Φ220			Φ220		
Tailstock Quill Travel	mm	300			300		
Tailstock Spindle Taper Hole Taper	-	Morse 6#			Morse 6#		
Tool Shank Size	mm	45x45			45x45		
Manual 4-Jaw Chuck	mm	Φ1250			Φ1400		
spindle motor power	kW	30/37			30/37		
Rapid Traverse (X/Z)	m/min	6/6			6/6		
CNC System	-	GSK			GSK		
Machine Weight	kg	12780	14410	16585	13290	15060	17420

Note for CNC Lathe: [ ] Option

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Z - Gear Spindle
G - Gang Tooling Type
L - Servo Tailstock
V - Built-in Motor Spindle
T - Double Turret
U - Five Axis

Flat Bed CNC Lathe - NL Series
(Load Capacity: 6 t)

		NL85 Series			NL100 Series			NL125 Series		
Item	Unit	NL8515	NL8530	NL8550	NL10015	NL10030	NL10050	NL12515	NL12530	NL12550
Max. Swing over Bed	mm	Φ850			Φ1000			Φ1250		
Max. Swing over Saddle	mm	Φ500			Φ700			Φ950		
Max. Turning Diameter	mm	Φ850			Φ1000			Φ1250		
Max. Workpiece Length	mm	1500	3000	5000	1500	3000	5000	1500	3000	5000
Max. Workpiece Weight	kg	6000			6000			6000		
Main Motor Power	kW	18.5/22			22/25			22/25		
Max. Spindle Speed	rpm	630			500			500		
Spindle End	ISO	A2-11			A2-15			A2-15		
Spindle Bore	mm	Φ100			Φ130			Φ130		
Rated Torque	N-m	5353			6370			6370		
Manual 4 Jaw Chuck	mm	Φ800			Φ1000			Φ1000		
Tool Position	-	4			4			4		
Turning Tool Shank	mm	32×32			50×50			50×50		
Tailstock Quill Dia.	mm	Φ160			Φ160			Φ160		
Tailstock Quill Travel	mm	300			300			300		
Tailstock Quill Taper	Mose	6#			6#			6#		
CNC Controller	-	SIEMENS [NEWAY FANUC]			SIEMENS [NEWAY FANUC]			SIEMENS [NEWAY FANUC]		
Auto Chip Conveyer	-	Double chip collecting plate			Double chip collecting plate			Double chip collecting plate		
Machine Weight	kg	11000	13000	16000	12500	14500	17500	14500	16500	19500

Note for CNC Lathe: [ ] Option

S - Sub-spindle
M - Milling Function
Z - Gear Spindle
L - Servo Tailstock
T - Double Turret
P - Plus Version
Y - Turning Center with Y-axis
G - Gang Tooling Type
V - Built-in Motor Spindle
U - Five Axis

Flat Bed CNC Lathe - NL Series
(Load Capacity: 20 t)

		NL160 Series			NL200 Series	
Item	Unit	NL16030	NL16060	NL16080	NL20050	NL20060
Max. Swing over Bed	mm		Φ1600		Φ2200	
Max. Swing over Saddle	mm		Φ1300		Φ1600	
Max. Turning Diameter	mm		Φ1300		Φ1600	
Max. Workpiece Length	mm	3000	6000	8000	5000	6000
Max. Workpiece Weight	kg		20000		20000	
Main Motor Power	kW		66(Cont.)		66(Cont.)	
Max. Spindle Speed	rpm		450		450	
Spindle End	ISO		A2-20		A2-20	
Spindle Bore	mm		Φ130		Φ130	
Rated Torque	N·m		24242		22000	
Manual 4 Jaw Chuck	mm		Φ1400		Φ1800	
Tool Position	-		4		4	
Turning Tool Shank	mm		40×40		40×40	
Tailstock Quill Dia.	mm		Φ320		Φ320	
Tailstock Quill Travel	mm		250		250	
Tailstock Quill Taper	Mose		100(metric)		100(metric)	
CNC Controller	-		SIEMENS			
Auto Chip Conveyer	-		Rear chip tray, right-way			
Machine Weight	kg	35000	420000	46000	45000	48000

Note for CNC Lathe: [ ] Option

S - Sub-spindle	M - Milling Function	Z - Gear Spindle	L - Servo Tailstock	T - Double Turret
P - Plus Version	Y - Turning Center with Y-axis	G - Gang Tooling Type	V - Built-in Motor Spindle	U - Five Axis

Vertical CNC Lathe
(Turret Type)

Item	Unit	VNL40S/H(L)	VNL60S/H(L)	VNL80S/H	VNL100S/H
Max. Swing over Bed	mm	Φ620	Φ800	Φ930	Φ1000
Max. Turning Dia. Shaft-type	mm	Φ320	Φ550	Φ650	Φ800
Max. Turning Dia. Disc-type	mm	Φ600	Φ780	Φ850	Φ1000
Max. Workpiece Height	mm	460	610 (Horizontal) / 500 (Vertical)	770 (Horizontal) /700(Vertical)	800
Travel X/Z	mm	350/500	420/620	480/780	520/880
Rapid Traverse X/Z	m/min	20/20	16/16	16/16 (S) 20/20(H)	12/12
Spindle Motor Power	kW	22/30 (S) 15/18.5(H)	22/30 (S) 15/18.5(H)	22/30 (S) 18.5/22(H)	24/30 (S) 18.5/22(H)
Chuck Dia.	inch/ mm	12"(Hydraulic Chuck)	15"(Hydraulic Chuck)	18"(Hydraulic Chuck)	21"(Hydraulic Chuck)
Max. spindle speed	r/min	2500	1500	1500/2000	1500
Max. spindle torque	N.m	573/544	716/680	1345	2083/3650
Tool Position	-	12(Horizontal) 6(Vertical)	12(Horizontal) 6(Vertical)	12(Horizontal) 6(Vertical)	12(Horizontal) 6(Vertical)
Turning Tool Shank	mm	25×25	32×32	32×32	32×32
Driving Type	-	Hydraulic[Servo]	Hydraulic[Servo]	Hydraulic[Servo]	Hydraulic[Servo]
CNC Controller	-	NEWAY FANUC[SIEMENS]			
Auto Chip Conveyer	-	Rear-way [Side-way]	Rear-way [Side-way]	Rear-way [Side-way]	Rear-way [Side-way]
Machine Weight	kg	6500	8000	9500	12000

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

Vertical CNC Lathe (Ram Type)

		VNL80Series	VNL125 Series		VNL160 Series		VNL180 Series
Item	Unit	VNL80SK/HK	VNL125S/H	VNL125SK/HK	VNL160S/H	VNL160SK/HK	VNL180SK/HK
Max. Swing over Bed	mm	Φ1000	Φ1500		Φ1800		Φ1800
Max. Turning Dia.	mm	Φ800	Φ1250		Φ1600		Φ1600
Max. Cutting Height	mm	600	1000		1600		1600
Max. Workpiece Weight	kg	2000	5000		8000		8000
Travel X/Z	mm	685/600	840/620	800/620	1040/800	1000/800	1050/1000
Rapid Traverse X/Z	m/min	10/10	12/12	12/10	12/12	12/10	12/10
Spindle Motor Power	kW	22/15	30 (Cont.)		37 (Cont.)		37 (Cont.)
Worktable Dia.	mm	Φ630	Φ1000		Φ1250	Φ1250	Φ1600
Max. Worktable Rotate Speed	r/min	600	500		400	400	260
Max. Worktable Torque	N.m	3025	11000		12500（S）/14000(H)		19000
Tool Position	-	8(Tool Magazine)	4(Vertical)	8(Tool Magazine)	4 (Vertical)	12(Tool Magazine)	12(Tool Magazine)
Turning Tool Shank	mm	32×32	32×32		32×32		32×32
Driving Type	-	Electrical	Electrical		Electrical		Electrical
CNC Controller	-		NEWAY FANUC [SIEMENS]				
Auto Chip Conveyer	-	Rear-way	Side-way		Side-way		Side-way
Machine Weight	kg	12000	16000	17000	25000	26000	27000

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

Vertical CNC Lathe (Ram Type)

Item	Unit	VNL250 Series		VNL320 Series		VNL400 Series		VNL500 Series		VNL630 Series	
		VNL250 0S/D	VNL250 SK/DK	VNL320 S/D	VNL320 SK/DK	VNL400 S/D	VNL400 SK/DK	VNL500 S/D	VNL500 SK/DK	VNL630 S/D	VNL630 SK/DK
Max. Swing over Bed	mm	Φ2750		Φ3600		Φ4000		Φ5000		Φ6600	
Max. Turning Dia.	mm	Φ2500		Φ3200		Φ4000		Φ5000		Φ6300	
Max. Cutting Height	mm	2000(2500)		2000[2500/3150]		2000(2500/3150)		2000(2500/3150)		4000[5000]	
Max. Workpiece Weight	kg	20000		32000[40000]		40000		50000		100000	
Travel X/Z	mm	1820/1400(1600)	1420/1400(1600)	2320/1400 [1600]	1970/1400 [1600]	2550/1400 [1600]	2195/1400 [1600]	3100/1400 [1600]	2695/1400 [1600]	3620/2000 [2500]	3470/2000 [2500]
Rapid Traverse X/Z	m/min	9/9		9/9	9/9	6/6		9/9		4/4	
Spindle Motor Power	kW	55 (Cont.)		75 (Cont.)		75 (Cont.)		75 (Cont.)		110 (Cont.)	
Worktable Dia.	mm	Φ2250/Φ2500		Φ3200		Φ3600		Φ4500		Φ5700	
Max. Worktable Rotate Speed	r/min	160		100		80		50		32	
Max. Worktable Torque	N.m	40000		95000		125000		160000		320000	
Tool Position	-	1	12 (Tool Magazine)	1	12 (Tool Magazine)	1	12 (Tool Magazine)	1	12 (Tool Magazine)	1	8 (Tool Magazine)
Turning Tool Shank	mm	40×40		40×40		40×40		50×50	40×40	50*50	
Driving Type	-	/	Electrical	/	/	/	Electrical	/	Electrical	/	Electrical
CNC Controller	-	NEWAY SIEMENS [FANUC]									
Auto Chip Conveyer	-	Side-way		Side-way	Side-way	Side-way		Side-way	Side-way	Side-way	
Machine Weight	kg	42000/46000	43000/47000	51000/54000	52000/55000	66000/70000	67000/71000	76000/80000	77000/81000	150000/160000	156000/166000

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

Vertical Turning & Milling Center (Live Turret Type)

		Vertical Turning & Milling Center - Live Turret		
Item	Unit	VNL40M	VNL60M	VNL80M (Live Turret)
Max. Turning Dia. (Shaft/Disk)	mm	Φ320/Φ600	Φ550/Φ750	Φ650/Φ850
Max. Swing over Bed	mm	Φ620	Φ800	Φ930
Max. Cutting Height	mm	400	550	700
Travel X/Z	mm	350/440	420/600	480/750
Spindle End	-	A2-8	A2-11	A2-11
Spindle Speed	r/min	50 ~ 2500	50 ~ 2000	50 ~ 2000
Spindle Motor Power	kW	15/18.5	18.5/22	18.5/22
Max. Spindle Torque	N.m	544	913	1345
Hydraulic Chuck	inch	12	15	18
Rapid Traverse X/Z	m/min	20/20	20/20	20/20
Cutting Feed Speed	mm/min	1 ~ 2000	1 ~ 2000	1 ~ 2000
Tool Position	-	Horizontal 12T	Horizontal 12T	Horizontal 12T
Max. Live Tool Speed	r/min	4000	4000	4000
Driving Type	-	Servo	Servo	Servo
Live Turret Type	mm	BMT55	BMT65	BMT75
Turning Tool Shank	mm	25×25	25×25	32×32
Boring Tool Holder Dia.	mm	Φ40	Φ40	Φ50
Max. Drilling Capacity	-	Φ14×0.15	Φ16×0.2	Φ25×0.25
Max. Tapping Capacity	-	M10×1.5/M20×1	M14×2.0/M20×1.5	M18×2.5/M20×2
Max. Milling Capacity	-	Φ20×10×40	Φ20×12×40	Φ30×20×40
Power Capacity	kVA	30	40	40
Coolant Tank Volume	L	240	340	340
Dimension L*W*H	mm	1730×3260×3130	1900×3600×3400	2050×3840×3600
Machine Weight	kg	6500	8000	9500

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

Vertical Turning & Milling Center (Milling Spindle Type)

		Vertical Turning & Milling Center - Milling Spindle							
Item	Unit	VNL80M (Milling Spindle)	VNL100M	VNL125M	VNL160M	VNL250M	VNL250DM	VNL320M	VNL320DM
Max. Swing over Bed	mm	Φ1000	Φ1350	Φ1600	Φ1800	Φ2500		Φ3600	
Max. Turning Dia.	mm	Φ800	Φ1100	Φ1400	Φ1600	Φ2750		Φ3200	
Max. Cutting Height	mm	600	700	1200	1200	2000[2500]		2000[2500/3150]	
Max. Workpiece Weight	kg	2000	4000	5000	8000	20000		32000[40000]	
Worktable Size	mm	Φ630	Φ1000	Φ1250	Φ1600	Φ2250[Φ2500]		Φ3200	
Worktable Speed	r/min	20~600	1~600	1~360	1~260	1.6~160		1~100	
Live Tool Speed	r/min	1~2400	1~2400	1~2400	1~2400	1~2400		1~2400	
Worktable Torque	N.m	4640	10782	13000	19000	40000		68000	
No. of Tools (ATC)	-	12	16	16	16	16	Left 24/Right 12	16	Left 24/Right 12
Tool Shank Size	-	BT50	BT50	BT50	BT50	BT50		BT50	
Ram Section	mm	200×200	200×200	220×220	250×250	250×250		250×250	
Max. Tool Size	mm	280W×150T×380L	280W×150T×380L	280W×150T×380L	280W×150T×380L	280W×150T×380L		280W×150T×380L	
Max. Tool Weight	kg	35	50	50	50	50		50	
Max. Tool Load	kg	360	640	560	560	640		640	
Tool Change Time T-T	Sec	45	45	45	45	45		45	
Cutting Feed Speed	mm/min	1~2000	1~2000	1~2000	1~2000	1~2000		1~2000	
Travel X	mm	-50~635	-50~720	-100~875	-100~950	-20~1400		-20~1950	
Travel Z	mm	600	800	620	900	1400[1600]		1400[1600]	
Travel of Beam	mm	/	750	750	750	1250[1750]		1250[1750/2400]	
Spindle Motor Power	kW	11*2	15*2	15*2	37/45	30*2		37*2	
CNC Controller		NEWAY FANUC[SIEMENS]							
Dimension (L*W*H)	mm	3350×4000×4500	4350×4750×4900	5450×4100×5100	5790×4470×5300	9720×8500*6850	9720×8500*6850	11000×9500×7000	11000×9500×7000
Machine Weight	Kg	12000	18000	18500	27000	47000	51000	56000	60000

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

Vertical Turning & Milling Center (Milling Spindle Type)

		Vertical Turning & Milling Center - Milling Spindle					
Item	Unit	VNL400M	VNL400DM	VNL500M	VNL500DM	VNL630M	VNL630DM
Max. Swing over Bed	mm	Φ4000		Φ5000		Φ6600	
Max. Turning Dia.	mm	Φ4000		Φ5000		Φ6300	
Max. Cutting Height	mm	2000[2500/3150]		2000[2500/3150]		4000[5000]	
Max. Workpiece Weight	kg	40000		50000		100000	
Worktable Size	mm	Φ3600		Φ4500		Φ5700	
Worktable Speed	r/min	0.2~72		0.50~50		0.32~32	
Live Tool Speed	r/min	1~2400		1~2400		1~1500	
Worktable Torque	N.m	100000		130000		250000	
No. of Tools (ATC)	-	16	Left 24/Right 12	16	Left 24/Right 12	16	Left 24/Right 12
Tool Shank Size	-	BT50		BT50		BT50	
Ram Section	mm	250×250		250×250		280×280[320×320]	
Max. Tool Size	mm	280W×150T×380L		280W×150T×380L		280W×150T×380L	
Max. Tool Weight	kg	50		50		80	
Max. Tool Load	kg	640		640		640	
Tool Change Time T-T	Sec	45		45		45	
Cutting Feed Speed	mm/min	1~2000		1~2000		0.1~1000	
Travel X	mm	-20~2175		-20~2675		-20~3450	
Travel Z	mm	1400[1600]		1400[1600]		2000[2500]	
Travel of Beam	mm	1250[1750/2400]		1250[1750/2400]		3500[4500]	
Spindle Motor Power	kW	37*2		37*2		55*2	
CNC Controller		NEWAY FANUC[SIEMENS]					
Dimension (L*W*H)	mm	12000×8700×7600	12000×8700×7600	12000×8700×7600	13500×9700×7600	19000×9800×13000	19700×9800×13000
Machine Weight	Kg	75000	78000	82000	87000	175000	190000

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

Vertical CNC Lathe
(Special Purpose Type)

		VNL40 Series	VNL60 Series	
Item	Unit	VNL40HY	VNL60HY	VNL60W
Max. Swing over Bed	mm	Φ620	Φ800	Φ830
Max. Turning Dia.	mm	Φ600(disc)/Φ320(shaft)	Φ780(disc)/Φ550(shaft)	Φ660
Max. Cutting Height	mm	400	500	305 (12inch)
Travel X/Z	mm	350/440/70(X/Z/Y)	420/600/70(X/Z/Y)	490/490(Double Turret)
Rapid Traverse X/Z	m/min	20/20/15(X/Z/Y)	20/20/15(X/Z/Y)	20/20
Spindle Motor Power	kW	15/18.5	18.5/22	37/45
Worktable Dia.	inch/mm	12"(Hydraulic Chuck)	15"(Hydraulic Chuck)	-
Max. Worktable Rotate Speed	r/min	2500	1500/2000	2000
Max. Worktable Torque	N.m	573/544	716/913	610
Tool Position	-	8(Horizontal)	12(Horizontal)	6+6(Horizontal)
Turning Tool Shank	mm	25×25	32×32	32×32
Driving Type	-	Hydraulic	Hydraulic [Servo]	Hydraulic
CNC Controller	-	NEWAY FANUC [SIEMENS]		
Auto Chip Conveyer	-	Rear-way[Side-way]	Rear-way[Side-way]	Rear-way
Machine Weight	kg	6600	8200	10000

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

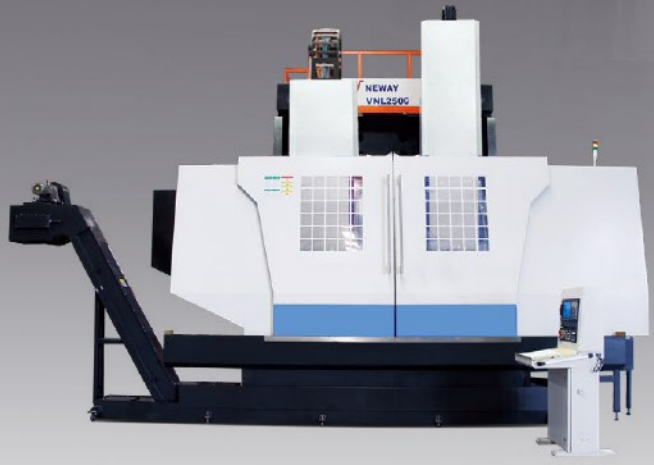
Vertical CNC Lathe
(Industrial Application Type)

		VNL100 Series	VNL160 Series		
Item	Unit	VNL100SFK/DFK	VNL160SFK/DFK	VNL160KG	VNL160FG
Max. Swing over Bed	mm	1200	Φ1800		
Max. Turning Dia.	mm	1000	Φ1600		
Max. Cutting Height	mm	500	800	1200	800
Max. Workpiece Weight	kg	3000	8000		
Travel X/Z	mm	665/550	980/800	1050/800	1650/800
Rapid Traverse X/Z	m/min	10/10(SFK) 12/12(HFK)	10/10(SFK) 12/10(HFK)	12/10	10/10
Spindle Motor Power	kW	30/37	37 (Cont.)		30+30
Worktable Dia.	inch/mm	Φ1000	Φ1600		
Max. Worktable Rotate Speed	r/min	300	260		100
Max. Worktable Torque	N.m	9000	17000	19000	19000
Tool Position	-	8(Tool Magazine)	12(Tool Magazine)	10(Tool Magazine)	\
Turning Tool Shank	mm	32×32	32×32		32×32
Driving Type	-	Electrical	Electrical		\
CNC Controller	-	NEWAY FANUC [SIEMENS]			
Auto Chip Conveyer	-	Rear-way[Side-way]	Side-way		Side-way
Machine Weight	kg	19000	27000/28000	27000	29000

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

Vertical CNC Lathe
(Industrial Application Type)



		VNL250 Series		
Item	Unit	VNL250SF/DF	VNL250SFK/DFK	VNL250G
Max. Swing over Bed	mm	Φ2750		
Max. Turning Dia.	mm	Φ2500		
Max. Cutting Height	mm	1000		2000[2500]
Max. Workpiece Weight	kg	20000		20000
Travel X/Z	mm	1820/1000	1420/1000	1455/1400 (Turning Ram) 1600/500 (Grinding Ram)
Rapid Traverse X/Z	m/min	9/9		7/7
Spindle Motor Power	kW	55 (Cont.)		
Worktable Dia.	inch/mm	Φ2250/Φ2500		Φ2250[Φ2500]
Max. Worktable Rotate Speed	r/min	160		
Max. Worktable Torque	N.m	40000		
Ram Unit	-	1(SF)2(DF)		2
Tool Position	-	1	12(Tool Magazine)	1
Turning Tool Shank	mm	40×40		40×40
Driving Type	-	/	Electrical	/
CNC Controller	-	NEWAY FANUC [SIEMENS]		
Auto Chip Conveyer	-	Side-way		
Machine Weight	kg	32000/35000	33000/36000	48000

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

Vertical CNC Lathe
(Industrial Application Type)

		VNL400 Series		VNL500 Series	
Item	Unit	VNL400SF/DF	VNL400SFK/DFK	VNL500SF/DF	VNL500SFK/DFK
Max. Swing over Bed	mm	Φ4000		Φ5000	
Max. Turning Dia.	mm	Φ4000		Φ5000	
Max. Cutting Height	mm	1000		1000	
Max. Workpiece Weight	kg	40000		50000	
Travel X/Z	mm	2265/1000	2175/1000	2765/1000	
Rapid Traverse X/Z	m/min	6/6		6/6	
Spindle Motor Power	kW	75 (Cont.)		75 (Cont.)	
Worktable Dia.	inch/mm	Φ3600		Φ4500	
Max. Worktable Rotate Speed	r/min	80		50	
Max. Worktable Torque	N.m	125000		160000	
Ram Unit	-	1(SF)2(DF)	1(SFK)2(DFK)	1(SF)2(DF)	1(SFK)2(DFK)
Tool Position	-	1	12(Tool Magazine)	1	12(Tool Magazine)
Turning Tool Shank	mm	40×40		50×50	40×40
Driving Type	-	/	Electrical	/	Electrical
CNC Controller	-	NEWAY FANUC [SIEMENS]			
Auto Chip Conveyer	-	Side-way		Side-way	Side-way
Machine Weight	kg	51000/55000	52000/56000	60000/64000	61000/65000

Note for Vertical CNC Lathe: [ ] Option

H-Standard D-Double Rams M-Turning & Milling Center W-Wheel Hub Application F-Fixed Beam L-Symmetrical Version
S-Single Ram K-Tool Magazine Y-Brake Disc Application G-Grinding Application P-Plus Version

VM Series-
Belt-drive Vertical Machining Center

Item	Unit	VM740SA/HA	VM1050S/H	VM1155S/H	VM1160S/H	VM1260S/H
Worktable Size	mm	750×420	1000×520	1100×550	1200×600	1300×600
Max. Worktable Load	kg	350	650	700	750	800
Axis Travel X/Y/Z	mm	650/420/500	850/520/560	1000/600/560	1000/600/600	1200/600/600
Spindle Terminal to Worktable	mm	120~620	150~710	120~680	150~750	140~740
Spindle Center to Column Guideway	mm	485	580	580	650	650
Axis Rapid Travel Speed X/Y/Z	m/min	40/40/30	36/36/36	36/36/30	36/36/36	36/36/30
Spindle Motor Power	kW	5.5/7.5	7.5/11 [11/15]	7.5/11 [11/15]	7.5/11 [11/15]	11/15
Max. Spindle Speed	rpm	10000(belt)	8000(belt)	8000(belt)	8000(belt)	8000(belt)
Spindle Taper	-	7:24 taper NO.40	7:24 taper NO.40	7:24 taper NO.40	7:24 taper NO.40	7:24 taper NO.40 [7:24 taper NO.50]
Number of Tools(Disc Type)	Pc	20	24	24	24	24
Tool Shank Size	-	MAS403 BT40	MAS403 BT40	MAS403 BT40	MAS403 BT40	MAS403 BT40
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ80/300/8	Φ80/300/8	Φ80/300/8	Φ80/300/8	Φ80/300/8
Tool Change Time T-T	s	1.7	1.8	1.8	1.8	1.8
Drilling (Normalized Carbon Steel)	mm	Φ30	Φ40	Φ40	Φ40	Φ45
Tapping (Normalized Carbon Steel)	mm	M16	M20	M20	M20	M24
Milling (Normalized Carbon Steel)	cm3/min	150	200	200	200	250
CNC System	-	NEWAY FANUC [SIEMENS/Mitsubishi]				
Auto Chip Conveyor	-	[side way (rear)]	[side way]	[side way]	[side way]	side way
Machine Weight	kg	3800	5600	5800	6800	7200

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Application
VD - Double Spindle

D - Drilling Center
V - Built-in Spindle

VM Series-
Belt-drive Vertical Machining Center

Item	Unit	VM1270S/H	VM1370S/H	VM1580S/H	VM1780S/H	VM1880S/H
Worktable Size	mm	1200×700	1400×700	1500×800	1700×800	1800×800
Max. Worktable Load	kg	800	1100	1250	1500	1750
Axis Travel X/Y/Z	mm	1100/700/600	1300/700/700	1350/800/700	1500/800/700	1700/850/700
Spindle Terminal to Worktable	mm	140~740	120~820	150~850	150~850	150~850
Spindle Center to Column Guideway	mm	770	773	900	900	900
Axis Rapid Travel Speed X/Y/Z	m/min	30/30/24	24/24/20 (S) 30/30/24 (H)	24/24/20 (S) 30/30/24 (H)	24/24/20 (S) 30/30/24 (H)	24/24/20
Spindle Motor Power	kW	11/15	11/15	15/18.5	15/18.5	15/18.5
Max. Spindle Speed	rpm	8000(belt)	8000(belt)	6000(belt)	6000(belt)	6000(belt)
Spindle Taper	-	7:24 taper NO.40 [7:24 taper NO.50]	7:24 taper NO.40 [7:24 taper NO.50]	7:24 taper NO.50	7:24 taper NO.50	7:24 taper NO.50
Number of Tools(Disc Type)	Pc	24	24	24	24	24
Tool Shank Size	-	MAS403 BT40	MAS403 BT40	MAS403 BT50	MAS403 BT50	MAS403 BT50
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ80/300/8	Φ80/300/8	Φ110/350/15	Φ110/350/15	Φ110/350/15
Tool Change Time T-T	s	1.8	1.8	2.5	2.5	2.5
Drilling (Normalized Carbon Steel)	mm	Φ45	Φ45	Φ50	Φ50	Φ50
Tapping (Normalized Carbon Steel)	mm	M24	M24	M30	M30	M30
Milling (Normalized Carbon Steel)	cm3/min	250	250	300	300	300
CNC System	-	NEWAY FANUC [SIEMENS/Mitsubishi]				
Auto Chip Conveyor	-	side way	side way	side way	side way	side way
Machine Weight	kg	8000	9500	11000	13000	14200

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Application
D - Double Spindle

D - Drilling Center
V - Built-in Spindle

VM Series-
Drilling and Tapping Vertical Machining Center

Item	Unit	VM740D	VM840D
Worktable Size	mm	700×420	800×420
Max. Worktable Load	kg	250	250
Axis Travel X/Y/Z	mm	600/400/330	700/400/330
Spindle Terminal to Worktable	mm	150~480	150~480
Spindle Center to Column Guideway	mm	464	464
Axis Rapid Travel Speed X/Y/Z	m/min	48/48/48	48/48/48
Spindle Motor Power	kW	3.7/5.5	3.7/5.5
Max. Spindle Speed	rpm	20000(direct connection)	20000(direct connection)
Spindle Taper	-	7:24 taper NO.30	7:24 taper NO.30
Spindle Temperature Control	-	Oil cooler	Oil cooler
Number of Tools(Disc Type)	Pc	21(arm/servo)	21(arm/servo)
Tool Shank Size	-	MAS403 BT30	MAS403 BT30
Pull Stud	-	MAS403 P30T-1	MAS403 P30T-1
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ60/200/2	Φ60/200/2
Tool Change Time	s	1.6	1.6
Drilling (normalized carbon steel)	mm	Φ16	Φ16
Tapping (normalized carbon steel)	mm	M10	M10
Milling (normalized carbon steel)	cm3/min	60	60
Auto Chip Conveyor	-	Opt.	Opt.
CNC System	-	NEWAY FANUC [SIEMENS、Mitsubishi]	
Power Capacity	KVA	20	20
Machine Weight	kg	2600	2800

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle
XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting
FA - Five Axis
B - Portal Type
YM/SM/VG - Industry Application
VD - Double Spindle
D - Drilling Center
V - Built-in Spindle

VM Series-
Direct-drive Vertical Machining Center

Item	Unit	VM740SL/HL	VM1050SL/HL	VM1155SL/HL	VM1160SL/HL	VM1260SL/HL	VM1270SL/HL
Worktable Size	mm	750×420	1000×520	1100×550	1200×600	1300×600	1200×700
Max. Worktable Load	kg	350	550	600	750	800	800
Axis Travel X/Y/Z	mm	650/420/500	850/520/560	1000/550/560	1000/600/600	1200/600/600	1100/700/600
Spindle Terminal to Worktable	mm	120~620	120~680	120~680	150□750	140□740	140~740
Spindle Center to Column Guideway	mm	485	580	580	650	650	770
Axis Rapid Travel Speed X/Y/Z	m/min	48/48/48	48/48/48	48/48/48	36/36/36	36/36/30	36/36/30
Spindle Motor Power	kW	5.5/7.5	7.5/11	7.5/11	7.5/11	11/15	11/15
Max. Spindle Speed	rpm	12000(direct connection) [15000(direct connection)]					
Spindle Taper	-	7:24 taper NO.40					
Spindle Temperature Control	-	Oil cooler	Oil cooler	Oil cooler	Oil cooler	Oil cooler	Oil cooler
Number of Tools(Disc Type)	Pc	20	24	24	24	24	24
Tool Shank Size	-	MAS403 BT40	MAS403 BT40	MAS403 BT40	MAS403 BT40	MAS403 BT40	MAS403 BT40
Pull Stud	-	MAS403 P40T-1	MAS403 P40T-1	MAS403 P40T-1	MAS403 P40T-1	MAS403 P40T-1	MAS403 P40T-1
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ80/300/8	Φ80/300/8	Φ80/300/8	Φ80/300/8	Φ80/300/8	Φ80/300/8
Tool Change Time	s	1.7	1.8	1.8	1.8	1.8	1.8
Drilling (normalized carbon steel)	mm	Φ30	Φ40	Φ40	Φ40	Φ45	Φ45
Tapping (normalized carbon steel)	mm	M16	M20	M20	M20	M24	M24
Milling (normalized carbon steel)	cm3/min	150	200	200	200	250	250
Auto Chip Conveyor	-	Opt.	Opt.	Opt.	Opt.	Opt.	equip
CNC System	-	NEWAY FANUC [SIEMENS、Mitsubishi]					
Power Capacity	KVA	20	25	25	35	35	35
Machine Weight	kg	3800	5500	5800	6200	7200	8000

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle
XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting
FA - Five Axis
B - Portal Type
YM/SM/VG - Industry Application
D - Double Spindle
D - Drilling Center
V - Built-in Spindle

VM Series-
Buit-in Motor Spindle Vertical Machining Center

Item	Unit	VM1050V	VM1155V	VM1160V	VM1580V	VM1780V
Worktable Size	mm	1000×520	1100×520	1200×600	1500×800	1700×800
Max. Worktable Load	kg	550	600	750	1250	1500
Axis Travel X/Y/Z	mm	850/520/560	1000/560/560	1000/600/600	1350/800/700	1500/800/700
Spindle Terminal to Worktable	mm	120~680	120□680	150□750	120□820	120□820
Spindle Center to Column Guideway	mm	580	580	650	900	900
Axis Rapid Travel Speed X/Y/Z	m/min	40/40/30	40/40/36	36/36/36	30/30/24	30/30/24
Spindle Motor Power	kW	16	16	15	15	15
Max. Spindle Speed	rpm	15000(built-in)[18000(built-in)][24000(built-in)]				
Spindle Taper	-	7:24 taper NO.40 [1:10 taper HSK A63]				
Spindle Temperature Control	-	Oil cooler [water cooler]				
Number of Tools(Disc Type)	Pc	24	24	24	24	24
Tool Shank Size	-	MAS403 BBT40 [HSK A63]				
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ80/300/8	Φ80/300/8	Φ80/300/8	Φ80/300/8	Φ80/300/8
Tool Change Time T-T	s	1.8	1.8	1.8	1.8	1.8
Drilling (Normalized Carbon Steel)	mm	Φ20	Φ20	Φ20	Φ25	Φ25
Tapping (Normalized Carbon Steel)	mm	M12	M12	M12	M16	M16
Milling (Normalized Carbon Steel)	cm3/min	80	80	80	120	120
CNC System	-	NEWAY FANUC [SIEMENS]				
Auto Chip Conveyor	-	[side way]	side way	side way	side way	side way
Machine Weight	kg	5600	5800	6800	11000	13000

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Application
VD - Double Spindle

D - Drilling Center
V - Built-in Spindle

VM Series-
Box Way Vertical Machining Center

Item	Unit	VM1150SR/HR	VM1360SR/HR	VM1360RZ	VM1780SR/HR	VM1780RZ
Worktable Size	mm	1100×520	1350×600	1350×600	1700×800	1700×800
Max. Worktable Load	kg	750	1000	1000	1500	1500
Axis Travel X/Y/Z	mm	1000/520/560	1200/600/600	1200/600/600	1500/800/680	1500/800/680
Spindle Terminal to Worktable	mm	150~710	150~750	120~720	150~830	150~830
Spindle Center to Column Guideway	mm	590	665	665	868	880
Axis Rapid Travel Speed X/Y/Z	m/min	20/20/18	20/20/18	20/20/18	18/18/15	18/18/15
Spindle Motor Power	kW	7.5/11	11/15	11/15	15/18.5	15/18.5
Max. Spindle Speed	rpm	8000	8000	6000(gear drive)	6000	6000(gear drive)
Spindle Taper	-	7:24 taper NO.40		7:24 taper NO.50		
Spindle Temperature Control	-	Oil cooler [water cooler]				
Number of Tools(Disc Type)	Pc	24	24	24	24	24
Tool Shank Size	-	MAS403 BT40	MAS403 BT40	MAS403 BT50	MAS403 BT50	MAS403 BT50
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ80/300/8	Φ80/300/8	Φ110/350/15	Φ110/350/15	Φ110/350/15
Tool Change Time T-T	s	1.8	1.8	2.5	2.5	2.5
Drilling (Normalized Carbon Steel)	mm	Φ40	Φ45	Φ65	Φ50	Φ60
Tapping (Normalized Carbon Steel)	mm	M20	M24	M40	M30	M50
Milling (Normalized Carbon Steel)	cm3/min	200	250	360	300	420
CNC System	-	NEWAY FANUC [SIEMENS/Mitsubishi]				
Auto Chip Conveyor	-	side way	side way	side way	side way	side way
Machine Weight	kg	7000	9000	9000	13000	13300

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Application
D - Double Spindle

D - Drilling Center
V - Built-in Spindle

VM Series -
Fixed Table Vertical Machining Center

Item	Unit	VM2555C	VM3055C	VM2550XC	VM2575XC	VM4550XC	VM4550XC (with swing milling head)
Worktable Size	mm	2700×550	3000×550	2700×550	2700×700	4500×550	4500×500
Max. Worktable Load	kg	800/m	1200	800/m	800/m	800/m	800/m
Axis Travel X/Y/Z	mm	2500/500/520	2600/550/600	2500/600/520	2000/750/750	4500/500/520	4500/500/600 B axis(swing milling head)
Spindle Terminal to Worktable	mm	250~770	220~820	250~770	500~1250	250~770	120~720
Spindle Center to Column Guideway	mm	790	790	660	945	660	714
Axis Rapid Travel Speed X/Y/Z	m/min	30/30/24	30/30/24	60/30/30	25/25/25	50/30/30	50/30/30
Spindle Motor Power	kW	16	16	7.5/11	15/18.5	7.5/11	15/18.5
Max. Spindle Speed	rpm	15000 (electrical spindle)	15000 (electrical spindle)	12000 (direct connection)	12000 (Built-In)	12000 (direct connection)	14000 (Built-In)
Spindle Taper	-	7:24 taper NO.40					
Number of Tools(Disc Type)	Pc	24	24	20	24	20	16
Tool Shank Size	-	BT40	BT40	BBT40	BBT40	BT40	BBT40
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ80/300/8	Φ80/300/8	Φ75/300/8	Φ75/300/8	Φ75/300/8	Φ75/300/8
Tool Change Time T-T	s	1.8	1.8	1.8	1.8	1.8	1.8
Drilling (Normalized Carbon Steel)	mm	Φ20	Φ20	Φ30	Φ20	Φ30	Φ25
Tapping (Normalized Carbon Steel)	mm	M12	M12	M16	M12	M16	M14
Milling (Normalized Carbon Steel)	cm3/min	80	80	150	80	150	100
CNC System	-	NEWAY FANUC [SIEMENS、Mitsubishi]					
Auto Chip Conveyor	-	side way					
Machine Weight	kg	10500	11500	8500	11000	12000	12000

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Application
VD - Double Spindle

D - Drilling Center
V - Built-in Spindle

VM Series-
Portal Type Vertical Machining Center

Item	Unit	VM12100B
Worktable Size	mm	1200x1000
Max. Worktable Load	kg	2000
Axis Travel X/Y/Z	mm	1200/1200/600
Spindle Terminal to Worktable	mm	200~800 [400~1000][600~1200]
Spindle Center to Column Guideway		426
Axis Rapid Travel Speed X/Y/Z	m/min	30/30/24
Spindle Motor Power	kW	15/18.5
Max. Spindle Speed	rpm	5000
Spindle Taper	-	7:24taper NO.50
Number of Tools(Disc Type)	Pc	24(Disc Type)
Tool Shank Size	-	MAS403 BT50
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ110/350/15
Tool Change Time	s	2.5
Drilling (normalized carbon steel)	mm	Φ60
Tapping (normalized carbon steel)	mm	M36
Milling (normalized carbon steel)	cm3/min	350
Auto Chip Conveyor	-	Side-way(rear)
CNC System	-	NEWAY FANUC [SIEMENS、Mitsubishi]
Power Capacity	KVA	35
Machine Weight	kg	15000

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Application
D - Double Spindle

D - Drilling Center
V - Built-in Spindle

VM Series-
5-Axis Vertical Machining Center

Item	Unit	VM350FA	VM450FA	VM650FA	VM800FA
Worktable Size	mm	Φ350	Φ450	Φ650	Φ800
Max. Worktable Load	kg	200	300	500	1500
Axis Travel X/Y/Z	mm	350/450/350	450/500/400	650/715/500	800/1000/800
Spindle Terminal to Worktable	mm	120~470	120~520	150~650	150~750
Spindle Center to Column Guideway		/	/	/	/
Rotary Angle A/C	°	±110°/360°	±110°/360°	±120°/360°	±120°/360°
Axis Rapid Travel Speed X/Y/Z	m/min	48/48/48	48/48/40	48/48/40	48/48/40
Rotary Speed A/C	rpm	80/100	80/100	40/80	30/50
Spindle Motor Power	kW	11	15	15	22
Max. Spindle Speed	rpm	24000	16000	16000	15000
Spindle Taper	-	7:24taper NO.30	7:24taper NO.40	7:24taper NO.40	1:10taper HSK A63
Number of Tools(Disc Type)	Pc	16	24	24	30
Tool Shank Size	-	MAS403 BBT30	MAS403 BBT40	MAS403 BBT40	HSK A63
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ75/200/4	Φ75/300/8	Φ75/300/8	Φ75/300/8
Tool Change Time	s	3.5	3.5	4.5	5.5
Drilling (normalized carbon steel)	mm	Φ16	Φ30	Φ40	Φ45
Tapping (normalized carbon steel)	mm	M10	M16	M20	M24
Milling (normalized carbon steel)	cm3/min	80	150	200	250
Auto Chip Conveyor	-	Side-way	Side-way	Side-way	Side-way
CNC System	-	SIEMENS ONE	SIEMENS ONE	SIEMENS ONE	SIEMENS ONE
Power Capacity	KVA	35	50	50	85
Machine Weight	kg	5000	8000	13000	16000

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Application
VD - Double Spindle

D - Drilling Center
V - Built-in Spindle

VM Series-
5-Axis Vertical Machining Center

Item	Unit	VM260SF	VM350SF
Worktable size	mm	Φ260	Φ350
Max worktable loading	kg	vertical：≤70 | horizontal：≤80	vertical：≤100 | horizontal：≤150
Workpiece dimensions		Φ390(Max machining diameter)	Φ530(Max machining diameter)
Three-axis travel X/Y/Z	mm	700 （left400|right300） / 520/560	800（left500|right300）/560（front300|back260）/600
A/C Axis Rotation Angle	°	±110°/360°	±130°/360°
Distance from spindle face to worktable surface	mm	65~625	130~730
Rapid traverse speed X/Y/Z	m/min	36/36/36	36/36/30
Rotation Speed A/C	rpm	200/200	60/200
Spindle Motor Power	kW	11/15	11/15
Spindle speed	rpm	12000	12000
Spindle taper hole	-	7:24taper NO.40	7:24taper NO.40
Spindle Temperature Control	-	water coolant	water coolant
Tool magazine capacity	Pc	24	24
Tool shank Type	-	MAS403 P40T-1	MAS403 P40T-1
Max. tool diameter/length/weight	mm/mm/kg	Φ80/300/8	Φ80/300/8
Tool change time (T-to-T)	s	1.8	1.8
Drilling (Normalized Medium Carbon Steel)	mm	Φ30	Φ30
Tapping (normalized medium-carbon steel)	mm	M16	M16
Milling (normalized medium-carbon steel)	cm3/min	150	150
Automatic Chip Conveyor	-	Optional	Optional
CNC system	-	SYNTEC-220MA-15-inch Five-Axis	
Power required	KVA	35	40
machine weight	kg	5800	7200

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Apllication
D - Double Spindle

D - Drilling Center
V - Built-in Spindle

VM Series -
Special Purpose Vertical Machining Center (graphite, semiconductor)

Item	Unit	VM400YM	VM1050SM	VM1160SM	VM1270SM
Worktable Size	mm	Φ450	1000×520	1100×600	1200×600
Max. Worktable Load	kg	250	550	750	800
Axis Travel X/Y/Z	mm	700/440/300	720/550/520	850/600/520	920/655/560
Spindle Terminal to Worktable	mm	50~350	160~680	190~710	180~740
Spindle Center to Column Guideway	mm	580	580	660	770
Axis Rapid Travel Speed X/Y/Z	m/min	36/36/36	48/48/48	36/36/30	30/30/24
Spindle Motor Power	kW	7.5/11[11/15]			
Max. Spindle Speed	rpm	12000(direct connect)			
Spindle Taper	-	7:24 taper NO.40			
Number of Tools(Disc Type)	Pc	24			
Tool Shank Size	-	BBT40			
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ80/300/8			
Tool Change Time T-T	s	1.8			
Drilling (Normalized Carbon Steel)	mm	Φ40			
Tapping (Normalized Carbon Steel)	mm	M20			
Milling (Normalized Carbon Steel)	cm3/min	200			
CNC System	-	NEWAY FANUC			
Auto Chip Conveyor	-	double layer internal protection			
Machine Weight	kg	5500	5600	6800	8000

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Application
VD - Double Spindle

D - Drilling Center
V - Built-in Spindle

VM Series -
Double Spindle Vertical Machining Center

Item	Unit	VM1260VD
Worktable Size	mm	1300×600
Max. Worktable Load	kg	700
Axis Travel X/Y/Z	mm	1100/600/600
Spindle Terminal to Worktable	mm	170~770
Spindle Center to Column Guideway	mm	650
Axis Rapid Travel Speed X/Y/Z	m/min	36/36/36
Spindle Motor Power	kW	18.5
Max. Spindle Speed	rpm	15000(built-in)
Spindle Taper	-	7:24 taper NO.40
Number of Tools(Disc Type)	Pc	2-30
Tool Shank Size	-	BBT40
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ75/300/8
Tool Change Time T-T	s	1.8
Drilling (Normalized Carbon Steel)	mm	Φ20
Tapping (Normalized Carbon Steel)	mm	M12
Milling (Normalized Carbon Steel)	cm3/min	80
CNC System	-	NEWAY FANUC
Auto Chip Conveyor	-	double spiral conveyor, left-way chain-type conveyor
Machine Weight	kg	8800

Note for Vertical Machining Center: [ ] Option

S/H - Standard
A - Upgraded Version
L - Direct-drive Spindle

XC/C - Fixed Table Type
SR/HR/RZ - Box Way Heavy Cutting

FA - Five Axis
B - Portal Type

YM/SM/VG - Industry Application
D - Double Spindle

D - Drilling Center
V - Built-in Spindle

Horizontal Machining Center -Reversed T Type

		HM50 Series	HM63 Series			
Item	Unit	HM50TSA[63TEA]	HM63TEA	HM63TS	HM63TD	HM6380TD
Worktable Size	mm	500×500[630×630]	630×630	630×630	2-630×630	2-630×800
Max. Worktable Load	kg	700[1000]	1000	1200		
Worktable Indexing	-	1°×360[0.001°×360000]				
Worktable Exchanging Time	S	/	/	/	20	55
Worktable Exchanging Drive	-	/	/	/	Hydraulic	
Max. Worktable Rotate Speed	r/min	10	10	10		
Max. Part Diameter/Height	mm	1000×800[1200×1000]	1200×1000	1000×1000		
Axis Travel X/Y/Z	mm	850×750×750[1000×800×800]	1000×800×800	1000×850×900		
Spindle End to Worktable	mm	50~800[50~850]	50~850	200~1100		
Spindle Center to Worktable Surface	mm	0~750[0~800]	0~800	80~930	80~930	0~850
Rapid Traverse X/Y/Z	m/min	30/20/30 [Opt.30/24/30]	30/20/30 [30/24/30]	20 [30]		
Spindle Motor Power	kW	15/18.5 [Opt.11/15]	15/18.5 [11/15]*	15/18.5 [18.5/22]		
Max. Spindle Speed	rpm	6000	6000	4500		
Spindle Torque	N.m	143/236 [Opt.140/191]	143/236 [140/191]	786/1050 [647/770]		
Spindle Taper	-	7:24 Taper NO.50	7:24 Taper NO.50	7:24 Taper NO.50		
Number of Tool	Pcs	24(Disc Type)[30(Disc Type)]	30(Disc Type)	40(Chain Type)		
Tool Shank Size	-	MAS403 BT50	MAS403 BT50	MAS403 BT50		
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ120/400/20[Φ112/500/25]	Φ112/500/25	Φ125/400/25		
Max. Tool Size (Empty Neighbor)	mm	Φ250	11000	Φ250		
Tool Change Time T-T	s	3.8	3.8	4.75		
Drilling (Normalized Carbon Steel)	mm	Φ35	Φ35	Φ55		
Tapping (Normalized Carbon Steel)	mm	M24	M24	M45		
Milling (Normalized Carbon Steel)	cm3/min	250	250	600		
CNC Controller	-	NEWAY FANUC [SIEMENS]				
Auto Chip Conveyer	-	Z/X Axis with Double Sprial + Side-way Chain Type Chip Conveyor				
Machine Weight	kg	10000[11000]	11000	16000	18000	19000

Note for Horizontal Machining Center: [ ] Option

S-Single Pallet
D-Double Pallets
T-Reversed T Type
EA/A-Upgraded Version
L-Large Travel
B-With Boring Shaft
F/U-5 Axis

Horizontal Machining Center -Reversed T Type

		HM80 Series				HM100 Series			
Item	Unit	HM80TEA	HM80TS	HM80TD	HM8080TD	HM100TS	HM100TD	HM100LS	HM100LD
Worktable Size	mm	800×800	800×800	2-800×800		1000×1000	2-1000×1000	1000×1000	2-1000×1000
Max. Worktable Load	kg	1600	1600	1600		2000		3000	3000
Worktable Indexing	-	1°×360[0.001°×360000]							
Worktable Exchanging Time	S	1	/	25	60	/	25	/	240
Worktable Exchanging Drive	-	/	/	Servo Motor	Hydraulic	/	Servo Motor	/	Hydraulic
Max. Worktable Rotate Speed	r/min	10				10		9	9
Max. Part Diameter/Height	mm	1800×1000	1800×1300	1200×1200	1750×1300	1300×1300		2000×2000	2000×1800
Axis Travel X/Y/Z	mm	1400×1000×1000	1400×1050×1050			1600×1100×1100		2100×1300×1300	
Spindle End to Worktable	mm	200~1200	250-1300	250-1300		250~1350		300~1600	
Spindle Center to Worktable Surface	mm	50~1050	120-1170	0~1050	0~1050	120~1220	0~1100	300~1600	0~1300
Rapid Traverse X/Y/Z	m/min	20[30]	16 [24]	16 [24]		16 [24]		20	
Spindle Motor Power	kW	15/18.5 [22/26]				15/18.5 [22/26]		22/35	
Max. Spindle Speed	rpm	4500				4500		4500	
Spindle Torque	N.m	786/1050 [770/910]				786/1050 [770/910]		1155/1840	
Spindle Taper	-	7:24 Taper NO.50				7:24 Taper NO.50			
Number of Tool	Pcs	40(Chain Type)				40(Chain Type)			
Tool Shank Size	-	MAS403 BT50				MAS403 BT50			
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ125/400/25				Φ125/400/25		Φ125/600/35	
Max. Tool Size (Empty Neighbor)	mm	Φ250				Φ250			
Tool Change Time T-T	s	4.75				4.75		10	
Drilling (Normalized Carbon Steel)	mm	Φ55				Φ60		Φ70	
Tapping (Normalized Carbon Steel)	mm	M45				M48		M50	
Milling (Normalized Carbon Steel)	cm3/min	600				900		1000	
CNC Controller	-	NEWAY FANUC [SIEMENS]							
Auto Chip Conveyer	-	Z/X Axis with Double Sprial + Side-way Chain Type Chip Conveyor							
Machine Weight	kg	16000	20000	21600	22000	20500	22600	30000	32000

Note for Horizontal Machining Center: [ ] Option

S-Single Pallet
D-Double Pallets
T-Reversed T Type
EA/A-Upgraded Version
L-Large Travel
B-With Boring Shaft
F/U-5 Axis

Horizontal Machining Center -Reversed T Type

		HM125 Series				
Item	Unit	HM125TSA	HM125TDA	HM125TBS	HM125TBD	HM125B
Worktable Size	mm	1250×1250	2-1250×1250	1250×1250	2-1250×1250	1250x1400
Max. Worktable Load	kg	4000	4000	4000	4000	5000
Worktable Indexing	-	1°×360[0.001°×360000]				
Worktable Exchanging Time	S	/	240	/	240	/
Worktable Exchanging Drive	-	/	Hydraulic	/	Hydraulic	/
Max. Worktable Rotate Speed	r/min	9.0	9.0	9.0	9.0	2.5
Max. Part Diameter/Height	mm	2000×2000	2000×1800	2000×2000	2000×1800	/
Axis Travel X/Y/Z	mm	2200×1500×1500	2200×1500×1500	2200×1500×1500×500	2200×1500×1500×500	
Spindle End to Worktable	mm	300~1800	300~1800	-200~1800	-200~1800	-250~1800
Spindle Center to Worktable Surface	mm	220~1720	0~1500	220~1720	0~1500	150~1650
Rapid Traverse X/Y/Z	m/min	20	20	20/20/20/5	20/20/20/5	12/12/12/6
Spindle Motor Power	kW	22/35	22/35	22/35	22/35	15/18.5
Max. Spindle Speed	rpm	4500	4500	3500	3500	3500
Spindle Torque	N.m	1155/1840	1155/1840	1155/1840	1155/1840	1179/1947
Spindle Taper	-	7:24 Taper NO.50				
Number of Tool	Pcs	40(Chain Type)	40(Hydraulic)	40(Chain Type)	40(Chain Type)	/
Tool Shank Size	-	MAS403 BT50				/
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ125/500/35				/
Max. Tool Size (Empty Neighbor)	mm	Φ250				/
Tool Change Time T-T	s	10				/
Drilling (Normalized Carbon Steel)	mm	Φ70				Φ70
Tapping (Normalized Carbon Steel)	mm	M50				M50
Milling (Normalized Carbon Steel)	cm3/min	1000				1000
CNC Controller	-	NEWAY FANUC [SIEMENS]				
Auto Chip Conveyer	-	Z Axis with Double Spiral + X Axis Double Chain Type Chip Conveyor				
Machine Weight	kg	31000	32000	32000	33000	25000

Note for Horizontal Machining Center: [ ] Option

S-Single Pallet
D-Double Pallets
T-Reversed T Type
EA/A-Upgraded Version
L-Large Travel
B-With Boring Shaft
F/U-5 Axis

Horizontal Machining Center - T Type

		HE50 Series			HE63 Series		HE80 Series	
Item	Unit	HE50S	HE50D	HE50DA	HE63S	HE63D	HE80S	HE80D
Worktable Size	mm	500×500	2-500×500	2-500×500	630×630	2-630×630	800×800	2-800×800
Max. Worktable Load	kg	500			1200		1600	2000
Worktable Indexing	-	1°×360[0.001°×360000]						
Worktable Exchanging Time	S	/	12	12	/	16	/	16
Worktable Exchanging Drive	-	/	Motor	Motor	/	Hydraulic	/	Hydraulic
Max. Worktable Rotate Speed	r/min	10		10	10		10	
Max. Part Diameter/Height	mm	Φ800/1000		Φ800/1000	Φ1250/1300	Φ1050/1300	Φ1600/1800	Φ1450/1450
Axis Travel X/Y/Z	mm	730/730/800		750/750/800	1250/1000/1100		1400/1300/1400	
Spindle End to Worktable	mm	70~870		25~825	140~1240	90~1090	200~1600	
Spindle Center to Worktable Surface	mm	170~900	30~760	50~800	160~1160	150~1200	135~1435	30~1330
Rapid Traverse X/Y/Z	m/min	60		40	60		60	
Spindle Motor Power	kW	18.5/37		15/18.5	26/45		26/45	
Max. Spindle Speed	rpm	12000		6000	10000		10000	
Spindle Torque	N.m	104/226		143/236	305/623		305/623	
Spindle Taper	-	7:24 Taper NO.40		7:24 Taper NO.50	7:24 Taper NO.50		7:24 Taper NO.50	
Number of Tool	Pcs	40(Disc Type)		24(Disc Type)	40		40	
Tool Shank Size	-	MAS403 BT40		MAS403 BT50	MAS403 BT50		MAS403 BT50	
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ85/500/8		Φ125/500/25	Φ125/530/25		Φ125/600/25	
Max. Tool Size (Empty Neighbor)	mm	Φ170		Φ250	Φ250		Φ250	
Tool Change Time T-T	s	1.5		3	2.8s (<25kg) /2.4s (<15kg)		2.8s (<25kg) /2.4s (<15kg)	
Drilling (Normalized Carbon Steel)	mm	Φ50			Φ55		Φ55	
Tapping (Normalized Carbon Steel)	mm	M36			M45		M45	
Milling (Normalized Carbon Steel)	cm3/min	300			600		600	
CNC Controller	-	NEWAY FANUC [SIEMENS]						
Auto Chip Conveyer	-	Z Axis Double Sprial + Rear-way Chain Type Chip Conveyor						
Machine Weight	kg	11000	12000	12000	20000	20500	21000	22000

Note for Horizontal Machining Center: [ ] Option

S-Single Pallet
D-Double Pallets
T-Reversed T Type
EA/A-Upgraded Version
L-Large Travel
B-With Boring Shaft
F/U-5 Axis

5 Axis Horizontal Machining Center

		5 Axis Horizontal Machining Cente - Rotray Table			
Item	Unit	HE65EF	HE80EF	HP80F	HP80FD
Worktable Size	mm	650×650	800×800	Φ800 (Opt.)	Φ800 (Opt.)
Max. Worktable Load	kg	1000	2500 (B) /600 (C)	1000	2x500
Worktable Indexing	-	0.001°×360000			
Max. Worktable Rotate Speed	r/min	30	10(B)/16©	25(A)/40(B)	25(A)/40(B)
Max. Part Diameter/Height	mm	Φ1500/925 (B-axis Horizontal)	Φ1600 (C)	Φ1850/1840	2-Φ820×1050
Axis Travel X/Y/Z	mm	1350/1200/700	1400/1300/1400	1500/1325/660	1500/1325/660
Spindle End to Worktable	mm	0~700	200~1600	300~960	300~960
Spindle Center to Worktable Surface	mm	-275~925	135~1435	-115~1210	-190~1135
Rapid Traverse X/Y/Z	m/min	60		120	
Spindle Motor Power	kW	26/45		40/60	18.5/26
Max. Spindle Speed	rpm	10000		10000	
Spindle Torque	N.m	305/623		119/180	161/216
Spindle Taper	-	7:24 Taper NO.50		HSK-A100	
Number of Tool	Pcs	40		40	72
Tool Shank Size	-	MAS403 BT50		HSK-A100	
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ125/530/25	Φ125/600/25	Φ110/500/30	Φ110/500/25
Max. Tool Size (Empty Neighbor)	mm	Φ250		Φ220	
Tool Change Time T-T	s	3		5.5	
Drilling (Normalized Carbon Steel)	mm	Φ55		Φ50	Φ35
Tapping (Normalized Carbon Steel)	mm	M45		M36	M24
Milling (Normalized Carbon Steel)	cm3/min	600		600	250
CNC Controller	-	NEWAY FANUC [SIEMENS]		SIEMENS	
Auto Chip Conveyer	-	Z Axis Double Sprial + Rear-way Chain Type Chip Conveyor		Rear-way Scraper Type Chip Conveyor	
Machine Weight	kg	21000	21500	28000	

Note for Horizontal Machining Center: [ ] Option

S-Single Pallet
D-Double Pallets
T-Reversed T Type
EA/A-Upgraded Version
L-Large Travel
B-With Boring Shaft
F/U-5 Axis

5 Axis Horizontal Machining Center

		5 Axis Horizontal Machining Center - Universal Spindle		
Item	Unit	HM100TLU	HM125TU	HP125US
Worktable Size	mm	1000×1000	1250×1250	Φ1250×1100
Max. Worktable Load	kg	2000	4000	2500
Worktable Indexing	-	0.001°×360000		0.001°
Max. Worktable Rotate Speed	r/min	5.5		30
Max. Part Diameter/Height	mm	Φ2000/2000		Φ1250/1600
Axis Travel X/Y/Z	mm	2100/1300/1300	2200/1500/1500	1400/1250/1050
A-axis Rotation Range	°	±105		-
B-axis Rotation Range	°	±360		-30~+180
C-axis Rotation Range		-		360
Spindle End to Worktable Center (Horizontal)	mm	-280~1020	-280~1220	-200~1050
Spindle Center to Worktable Surface (Horizontal)	mm	120~1420	120~1620	50~1100
Spindle End to Worktable Surface (Vertical)	mm	-160~1140	-160~1340	150~1200
Spindle Center to Worktable Center (Vertical)	mm	0~1300	0~1500	-300~950
Rapid Traverse X/Y/Z	m/min	20		60/60/60
Spindle Motor Power	kW	56/70		48/71
Max. Spindle Speed	rpm	15000		12000
Spindle Torque	N.m	89/111		300/452
Spindle Taper	-	HSK-A63		HSK-A100
Number of Tool	Pcs	60(Chain Type)		60
Tool Shank Size	-	HSK-A63		HSK-A100
Max. Tool Dia./Length/Weight	mm/mm/kg	Φ75mm/400mm/8kg		Φ110mm/400mm/25kg
Max. Tool Size (Empty Neighbor)	mm	Φ150		φ230
Tool Change Time T-T	s	10		6
Drilling (Normalized Carbon Steel)	mm	Φ30		Φ60
Tapping (Normalized Carbon Steel)	mm	M20		M36
Milling (Normalized Carbon Steel)	cm3/min	200		600
CNC Controller	-	NEWAY SIEMENS		SIEMENS
Auto Chip Conveyer	-	Z Axis Double Sprial + Rear-way Chain Type Chip Conveyor		Y Axis Double Sprial + Rear-way Chain Type Chip Conveyor
Machine Weight	kg	34000	35000	27000

Note for Horizontal Machining Center: [ ] Option

S-Single Pallet
D-Double Pallets
T-Reversed T Type
EA/A-Upgraded Version
L-Large Travel
B-With Boring Shaft
F/U-5 Axis

PM Series -
Double Column Machining Center

Item	Unit	PM1220HA	PM1230HA	PM1530HA	PM1830HA	PM1840HA	PM2030HA	PM2040HA	PM2060HA	PM2080HA
Worktable Width	mm	1200		1500	1800		2000			
Worktable Length	mm	2000	3000	3000	3000	4000	3000	4000	6000	8000
Table Load	kg	3500	5500	7000	10000	12000	16000	20000	26000	28000
Worktable Travel (X Axis)	mm	2200	3200	3200	3200	4200	3200	4200	6200[6500]	8500
Carriage Travel (Y Axis)	mm	1500[1700]		1900	2700		3200			
Ram Travel (Z Axis)	mm	800			800 [1000]		1000[1250]			
Spindle Terminal to Worktable	mm	200~1000			200~1000 [200~1200]		200~1200[250~1500]			
Column Span	mm	1400[1600]		1800	2300		2800 [3200]			
Tool Shank Size	-	BT50			BT50		BT50			
Spindle Speed	r/min	40~6000			40~6000		40~6000 [Z axis 1250:40~4500]			
Max. Output Torque	N.m	788/1295			525/647 [770/910]		770/910			
Spindle Motor Power	kW	15/18.5			15/18.5 [22/26]		22/26			
Ram Section	mm	440×400			400×400		400×400 [Z axis1250:420×420]			
X/Y/Z Axis Rapid Travel Speed	m/min	24/24/15	15/24/15	12/24/15	20/18/15	15/18/15	15/15/12	15/15/12	12/15/12	10/15/10
Tool Position	-	24[32/40/60]			[24/32/40/60]		[24/32/40/60]			
Max. Tool Diameter/Length/Weight	mm/mm/kg	Φ110/350/18			Φ110/350/18		Φ110/350/18			
Max. Tool Diameter (Empty Neighbor)	mm	Φ200			Φ200		Φ200			
CNC System	-	NEWAY FANUC [SIEMENS]					NEWAY FANUC [SIEMENS]			
Machine Weight	kg	19000	23000	25000	30000	35000	41000	45000	55000	65000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series -
Double Column Machining Center

Item	Unit	PM2540HA	PM2550HA	PM2560HA	PM2580HA	PM3040HA	PM3060HA	PM3080HA	PM30100HA
Worktable Width	mm	2500				3000			
Worktable Length	mm	4000	5000	6000	8000	4000	6000	8000	10000
Table Load	kg	23000	25000	30000	35000	25000	35000	40000	45000
Worktable Travel (X Axis)	mm	4200	5200	6200[6500]	8500	4200	6200[6500]	8500	10500
Carriage Travel (Y Axis)	mm	3700 [4200]				4200[4600]			
Ram Travel (Z Axis)	mm	1000 [1250]				1250			
Spindle Terminal to Worktable	mm	200~1200[250~1500]				250~1500			200~1450
Column Span	mm	3300 [3800]				3800 [4200]			
Tool Shank Size	-	BT50				BT50			
Spindle Speed	r/min	40~6000 [Z axis 1250:40~4500]				40~6000 [Z axis 1250:40~4500]			
Max. Output Torque	N.m	770/910				770/910			
Spindle Motor Power	kW	22/26				22/26			
Ram Section	mm	400×400 [Z axis 1250:420×420]				400×400 [Z axis 1250:420×420]			
X/Y/Z Axis Rapid Travel Speed	m/min	12/12/12			10/12/12	12/12/12	12/12/12	10/12/12	8/12/12
Tool Position	-	[24/32/40/60]				[24/32/40/60]			
Max. Tool Diameter/Length/Weight	mm/mm/kg	Φ110/350/18				Φ110/350/18			
Max. Tool Diameter (Empty Neighbor)	mm	Φ200				Φ200			
CNC System	-	NEWAY FANUC [SIEMENS]							
Machine Weight	kg	48000	53000	58000	68000	55000	70000	90000	100000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
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L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series -
Gantry Machining Center(HC Type)

Item	Unit	PM1320HC	PM1330HC	PM1525HC	PM1530HC	PM2030HC	PM2040HC	PM2050HC	PM2060HC	PM2080HC	PM2540HC	PM2550HC	PM2560HC	PM2580HC
Worktable Width	mm	1300	1300	1500	1500	2000					2500			
Worktable Length	mm	2100	3100	2600	3100	3000	4000	5000	6000	8000	4000	5000	6000	8000
Table Load	kg	3500	8000	8000	8000	14000	18000	22000	24000	28000	23000	25000	28000	32000
Worktable Travel (X Axis)	mm	2200	3200	2700	3200	3200	4200	5200	6200	8500	4200	5200	6500	8500
Carriage Travel (Y Axis)	mm	1500	1500	1700	1700	2700 [3200] [3700]					3200[3700][4200]			
Ram Travel (Z Axis)	mm	800				1000[1250]					1000[1250]			
Spindle Terminal to Worktable	mm	200~1000				250~1250 [300~1550] [550~1800]					250~1250[300~1550][550~1800]			
Column Span	mm	1600		1800		2800[3300]					3300[3800]			
Tool Shank Size	-	BBT50				BT50					BT50			
Spindle Speed	r/min	40~8000				40~6000[Z axis 1250:40~4500]					40~6000[Z axis 1250:40~4500]			
Max. Output Torque	N.m	352/580				770/910					770/910			
Spindle Motor Power	kW	15/18.5				22/26					22/26			
Ram Section	mm	400×395				400×400 [Z axis 1250:420x420 rapid traverse 12]					400×400 [Z axis 1250:420x420 rapid traverse 12]			
X/Y/Z Axis Rapid Travel Speed	m/min	24/24/15	15/24/15	15/24/15	12/24/15	15/20/15	15/20/15	12/20/15	12/20/15	10/20/15	12/15/15			10/15/15
Tool Position	-	[24/32/40]				[24/32/40/60]					[24/32/40/60]			
Max. Tool Diameter /Length/Weight	mm/mm /kg	Φ110/350/18				Φ110/350/18					Φ110/350/18			
Max. Tool Diameter (Empty Neighbor)	mm	Φ200				Φ200					Φ200			
CNC System	-	NEWAY FANUC [SIEMENS]												
Machine Weight	kg	16500	18500	18500	19000	34000	38000	41000	46000	50000	45000	50000	55000	65000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series -
Gantry Machining Center(HP Type)

Item	Unit	PM1320HP	PM1330HP	PM1525HP	PM1530HP	PM2030HP	PM2040HP	PM2050HP	PM2060HP	PM2080HP
Worktable Width	mm	1300		1500		2000				
Worktable Length	mm	2100	3100	2600	3100	3000	4000	5000	6000	8000
Table Load	kg	3500	8000	8000	8000	16000	20000	23000	26000	28000
Worktable Travel (X Axis)	mm	2200	3200	2700	3200	3200	4200	5200	6200	8500
Carriage Travel (Y Axis)	mm	1500		1700		3200[3700]				
Ram Travel (Z Axis)	mm	800				1000[1250]				
Spindle Terminal to Worktable	mm	265~1065				250~1250[300~1550]				
Column Span	mm	1600		1800		2800[3300]				
Tool Shank Size	-	BT50				BT50				
Spindle Speed	r/min	40~6000				40~4500[Zaxis 1250:40~4500]				
Max. Output Torque	N.m	695/1147				993/1177				
Spindle Motor Power	kW	15/18.5				22/26				
Ram Section	mm	400×395				400×400[Zaxis 1250:420x420 rapid traverse12]				
X/Y/Z Axis Rapid Travel Speed	m/min	24/24/15	15/24/15	15/24/15	12/24/15	15/15/15		12/15/15		10/15/15
Tool Position	-	[24/32/40]				[24/32/40/60]				
Max. Tool Diameter/Length/Weight	mm/mm/kg	Φ110/350/18				Φ110/350/18				
Max. Tool Diameter (Empty Neighbor)	mm	Φ200				Φ200				
CNC System	-	NEWAY FANUC [SIEMENS]								
Machine Weight	kg	16500	18500	18500	19000	34000	38000	41000	46000	50000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
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M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series -
Gantry Machining Center(HP Type)

Item	Unit	PM2540HP	PM2550HP	PM2560HP	PM2580HP	PM3050HP	PM3060HP	PM3080HP	PM3080HP
Worktable Width	mm	2500				3000			
Worktable Length	mm	4000	5000	6000	8000	5000	6000	8000	10000
Table Load	kg	23000	25000	30000	35000	25000	30000	35000	40000
Worktable Travel (X Axis)	mm	4200	5200	6500	8500	5200	6500	8500	10500
Carriage Travel (Y Axis)	mm	3700[4200]				4200[4600]			
Ram Travel (Z Axis)	mm	1000[1250]				1250			
Spindle Terminal to Worktable	mm	250~1250[300~1550][550~1800]				250~1500[500~1750]			
Column Span	mm	3300[3800]				3800[4200]			
Tool Shank Size	-	BT50				BT50			
Spindle Speed	r/min	40~4500				40~4500			
Max. Output Torque	N.m	993/1177				993/1177			
Spindle Motor Power	kW	22/26				22/26			
Ram Section	mm	400×400[Zaxis 1250:420x420 rapid traverse12]				420x420			
X/Y/Z Axis Rapid Travel Speed	m/min	12/15/15		12/15/15	10/15/15	12/12/12	12/12/12	10/12/12	8/12/12
Tool Position	-	[24/32/40/60]				[24/32/40/60]			
Max. Tool Diameter/Length/Weight	mm/mm/kg	Φ110/350/18				Φ110/350/18			
Max. Tool Diameter (Empty Neighbor)	mm	Φ200				Φ200			
CNC System	-	NEWAY FANUC [SIEMENS]							
Machine Weight	kg	45000	50000	55000	65000	55000	60000	68000	76000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series-
Direct Drive Spindle Double Column Machining Center

Item	Unit	PM0813L	PM1525L	PM2030L	PM2040L	PM2050L	PM2060L	PM2080L
Worktable Width	mm	1300	1500	2000				
Worktable Length	mm	900	2600	3000	4000	5000	6000	8000
Table Load	kg	1500	8000	14000	18000	22000	24000	28000
Worktable Travel (X Axis)	mm	800	2700	3200	4200	5200	6200	8500
Carriage Travel (Y Axis)	mm	1300	1700	2700				
Ram Travel (Z Axis)	mm	700		1000				
Spindle Terminal to Worktable	mm	350~1050		180~1180				
Column Span	mm	1400	1800	2800				
Tool Shank Size	-	BT40		BBT50				
Spindle Speed	r/min	100~15000		100~10000[100~12000]				
Max. Output Torque	N.m	34/46		140/165				
Spindle Motor Power	kW	11.7/15.8		22/26				
Ram Section	mm	350×350		450×400				
X/Y/Z Axis Rapid Travel Speed	m/min	24/24/24	15/24/24	15/15/15	15/15/15	12/15/15	12/15/15	10/15/15
Tool Position	-	[24/32]		[24/32/40/60]				
Max. Tool Diameter/Length/Weight	mm/mm/kg	Φ80/250/8		Φ110/350/15				
Max. Tool Diameter (Empty Neighbor)	mm	Φ150		Φ200				
CNC System	-	SIEMENS [NEWAY FANUC]		NEWAY FANUC [SIEMENS]				
Machine Weight	kg	12000	18000	33000	37000	40000	45000	49000

Note for Double Column Maohning Center: [ ] Option

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U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series-
Built-in Spindle Double Column Machining Center

Item	Unit	PM1320V	PM1330V	PM1525V	PM1530V	PM2030V	PM2040V	PM2050V	PM2060V	PM2080V
Worktable Width	mm	1300		1500		2000				
Worktable Length	mm	2100	3100	2600	3100	3000	4000	5000	6000	8000
Table Load	kg	3500	8000	8000	8000	14000	18000	22000	24000	28000
Worktable Travel (X Axis)	mm	2200	3200	2700	3200	3200	4200	5200	6200	8500
Carriage Travel (Y Axis)	mm	1500		1700		2700[3200][3700]				
Ram Travel (Z Axis)	mm	800				1000[1250]				
Spindle Terminal to Worktable	mm	285~1085[200~1000]				180~1180[230~1480]				
Column Span	mm	1600		1800		2800[3300]				
Tool Shank Size	-	HSK-A63[BBT50]				BBT50				
Spindle Speed	r/min	100~18000[100~10000]				100~10000				
Max. Output Torque	N.m	51.7/107[305/623]				305/623				
Spindle Motor Power	kW	13/18.5[26/45]				26/45				
Ram Section	mm	400×320[400x400]				450×450				
X/Y/Z Axis Rapid Travel Speed	m/min	24/24/15	15/24/15	15/24/15	12/24/15	15/15/15	15/15/15	12/15/15	12/15/15	10/15/15
Tool Position	-	[24/32/40/60]				[24/32/40/60]				
Max. Tool Diameter/Length/Weight	mm/mm/kg	Φ78/300/8[Φ110/350/18]				Φ110/350/18				
Max. Tool Diameter (Empty Neighbor)	mm	Φ120[Φ200]				Φ200				
CNC System	-	NEWAY FANUC[SIEMENS]				NEWAY FANUC [SIEMENS]				
Machine Weight	kg	16500	18500	18500	19000	33000	37000	40000	45000	49000

Note for Double Column Maohning Center: [ ] Option

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SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series-
Built-in Spindle Double Column Machining Center

Item	Unit	PM2550V	PM2560V	PM2580V	PM3040V	PM3060V	PM3080V
Worktable Width	mm	2500			3000		
Worktable Length	mm	5000	6000	8000	4000	6000	8000
Table Load	kg	25000	28000	32000	23000	30000	35000
Worktable Travel (X Axis)	mm	5200	6500	8500	4200	6500	8500
Carriage Travel (Y Axis)	mm	3200[3700]			4200 [4600]		
Ram Travel (Z Axis)	mm	1000[1250]			1250 [1500]		
Spindle Terminal to Worktable	mm	180~1180[230~1480]			180~1430 [145~1645]		
Column Span	mm	3300			3800 [4200]		
Tool Shank Size	-	BBT50			BBT50		
Spindle Speed	r/min	100~10000[100~12000]			100~10000		
Max. Output Torque	N.m	305/623			305/623		
Spindle Motor Power	kW	26/45			26/45		
Ram Section	mm	450×450			450×450		
X/Y/Z Axis Rapid Travel Speed	m/min	12/15/15	12/15/15	10/15/15	12/12/12		10/12/12
Tool Position	-	[24/32/40/60]			[24/32/40/60]		
Max. Tool Diameter/Length/Weight	mm/mm/kg	Φ110/350/18			Φ110/350/18		
Max. Tool Diameter (Empty Neighbor)	mm	Φ200			Φ200		
CNC System	-	NEWAY FANUC [SIEMENS]			NEWAY FANUC [SIEMENS]		
Machine Weight	kg	50000	55000	65000	50000	60000	68000

Note for Double Column Machining Center: [ ] Option

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HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PMB Series-
Bridge Typ Built-in Spindle Double Column Machining Center

Item	Unit	PMB2030V	PMB2040V	PMB2060V	PMB2540V	PMB2560V	PMB3060V	PMB3080V	PMB4060V	PMB4080V
Worktable Width	mm	2000			2500		3000		4000	
Worktable Length	mm	3000	4000	6000	4000	6000	6000	8000	6000	8000
Table Load	kg/m²	5000					5000		15000	
Worktable Travel (X Axis)	mm	3000	4000	6000	4000	6000	6000	8000	6000	8000
Carriage Travel (Y Axis)	mm	2300			2800		3300		4300	
Ram Travel (Z Axis)	mm	1000[1250][1500]					1000 [1250] [1500]			
Spindle Terminal to Worktable	mm	450~1450[200~1450][300~1800]					450-1450 [200-1450] [300-1800]			
Column Span	mm	3200			3700		4200		5200	
Tool Shank Size	-	BBT50					BBT50			
Spindle Speed	r/min	10000					10000			
Max. Output Torque	N.m	305/623					305/623			
Spindle Motor Power	kW	26/45					26/45			
X/Y/Z Axis Rapid Travel Speed	-	40/30/24					40/30/24		30/30/24	
Tool Position	mm/mm/kg	[24/32/40/60]					[24/32/40/60]			
Max. Tool Diameter/Length/Weight	mm	Φ125/300/20					Φ125/300/20			
Max. Tool Diameter (Empty Neighbor)	mm	Φ175					Φ175			
CNC System	kg	FANUC/SIEMENS					FANUC/SIEMENS			
Machine Weight	kg	50000	55000	65000	60000	65000	70000	80000	75000	85000

Note for Double Column Maohning Center: [ ] Option

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L - Direct-drive Spindle
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HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PMB Series-
Bridge Type 5-Axis Double Column Machining Center

Item	Unit	PMB2030U	PMB2040U	PMB2060U	PMB2540U	PMB2560U
Worktable Width	mm	2000			2500	
Worktable Length	mm	3000	4000	6000	4000	6000
Table Load	kg/m²	5000			5000	
Worktable Travel (X Axis)	mm	3000	4000	6000	4000	6000
Carriage Travel (Y Axis)	mm	2300			2800	
Ram Travel (Z Axis)	mm	1000[1250][1500]			1000[1250][1500]	
Spindle Terminal to Worktable	mm	300~1300[400~1650][150~1650]			300~1300[400~1650][150~1650]	
Column Span	mm	3200			3700	
Tool Shank Size	-	HSK-A63			HSK-A63	
Spindle Speed	r/min	24000			24000	
Max. Output Torque	N.m	60/73			60/73	
Spindle Motor Power	kW	37/46			37/46	
A/C Axis Indexing Degree	°	±105/±360			±105/±360	
X/Y/Z Axis Rapid Travel Speed	m/min	40/30/24			40/30/24	
Tool Position	-	[24/32/40/60]			[24/32/40/60]	
Max. Tool Diameter /Length/Weight	mm/ mm/kg	Φ95/350/8			Φ95/350/8	
Max. Tool Diameter (Empty Neighbor)	mm	Φ130			Φ130	
CNC System	-	SIEMENS [HEIDENHAIN]				
Machine Weight	kg	50000	55000	65000	60000	65000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PMB Series-
Bridge Type 5-Axis Double Column Machining Center

Item	Unit	PMB3060U	PMB3080U	PMB4060U	PMB4080U	PMB2040LU
Worktable Width	mm	3000		4000		2000
Worktable Length	mm	6000	8000	6000	8000	4000
Table Load	kg/m²	5000		15000		5000
Worktable Travel (X Axis)	mm	6000	8000	6000	8000	4000
Carriage Travel (Y Axis)	mm	3300		4300		2500
Ram Travel (Z Axis)	mm	1000[1250][1500]		1000[1250][1500]		1000
Spindle Terminal to Worktable	mm	300~1300[400~1650][150~1650]		300~1300[400~1650][150~1650]		200-1200
Column Span	mm	4200		5200		3450
Tool Shank Size	-	HSK-A63		HSK-A63		HSK-A63
Spindle Speed	r/min	24000		24000		24000
Max. Output Torque	N.m	60/73		60/73		60/73
Spindle Motor Power	kW	37/46		37/46		37/46
A/C Axis Indexing Degree	°	±105/±360		±105/±360		105/±360
X/Y/Z Axis Rapid Travel Speed	m/min	40/30/25		30/30/25		60/60/30
Tool Position	-	[24/32/40/60]		[24/32/40/60]		30
Max. Tool Diameter /Length/Weight	mm/mm/kg	Φ95/350/8		Φ95/350/8		Φ95/350/8
Max. Tool Diameter (Empty Neighbor)	mm	Φ130		Φ130		Φ130
CNC System	-	SIEMENS [HEIDENHAIN]				HEIDENHAIN TNC640
Machine Weight	kg	70000	80000	75000	85000	40000

Note for Double Column Maohning Center: [ ] Option

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SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series-
5-Axis Double Column Machining Center

Item	Unit	PM1830U	PM2030U	PM2040U	PM2060U	PM2560U	PM3060U
Worktable Width	mm	1800	2000			2500	3000
Worktable Length	mm	3000	3000	4000	6000	6000	6000
Table Load	kg	10000	14000	18000	24000	28000	35000
Worktable Travel (X Axis)	mm	3200	3200	4200	6200	6500	6500
Carriage Travel (Y Axis)	mm	2700	3200			3700	4200
Ram Travel (Z Axis)	mm	1000	1000[1250]			1000[1250]	
Spindle Terminal to Worktable	mm	250-1250	250~1250[300~1550]			220-1220[265-1515]	150-1150[100-1350]
Column Span	mm	2300	2800			3300	3800
Tool Shank Size	-	HSK-A63	HSK-A63			HSK-A63	
Spindle Speed	r/min	24000	24000			24000	
Max. Output Torque	N.m	60/73	60/73			60/73	
Spindle Motor Power	kW	37/46	37/46			37/46	
A/C Axis Indexing Degree	°	±105/±360	±105/±360			±105/±360	
X/Y/Z Axis Rapid Travel Speed	m/min	15/15/15	15/20/20	20/20/20	15/20/20	12/12/20	
Tool Position	-	[24/32/40/60]	[24/32/40/60]			[24/32/40/60]	
Max. Tool Diameter/Length/Weight	mm/mm/kg	Φ80/400/8	Φ80/400/8			Φ80/400/8	
Max. Tool Diameter (Empty Neighbor)	mm	Φ150	Φ150			Φ150	
CNC System	-	SIEMENS [HEIDENHAIN]					
Machine Weight	kg	31000	41000	45000	55000	58000	70000

Note for Double Column Machining Center: [ ] Option

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HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series-
Heavy Duty Double Column Machining Center

Item	Unit	PM2030HZ	PM2040HZ	PM2060HZ	PM2080HZ	PM2540HZ	PM2550HZ	PM2560HZ	PM2580HZ
Worktable Width	mm	2000				2500			
Worktable Length	mm	3000	4000	6000	8000	4000	5000	6000	8000
Table Load	kg	16000	20000	26000	28000	22000	25000	30000	35000
Worktable Travel (X Axis)	mm	3200	4200	6200[6500]	8500	4200	5200	6200[6500]	8500
Carriage Travel (Y Axis)	mm	3200				3700 [4200]			
Ram Travel (Z Axis)	mm	1000 [1250][1500]				1000 [1250][1500]			
Spindle Terminal to Worktable	mm	200~1200 [250~1500][300-1800]				200~1200 [250~1500][300-1800]			
Column Span	mm	2800 [3200]				3300 [3800]			
Tool Shank Size	-	BT50				BT50			
Spindle Speed	r/min	40~3500[Z axis1500:40~3000]				40~3500[Z axis1500:40~3000]			
Max. Output Torque	N.m	1120/1320				1120/1320			
Spindle Motor Power	kW	22/26				22/26			
Ram Section	mm	420×420[Z axis1500:450×450]				420×420[Z axis1500:450×450]			
X/Y/Z Axis Rapid Travel Speed	m/min	15/15/10	15/15/10	12/15/10	10/15/10	12/12/10		12/12/10	10/12/10
Tool Position	-	[24/32/40/60]				[24/32/40/60]			
Max. Tool Diameter /Length/Weight	mm/mm/ kg	Φ110/350/18				Φ110/350/18			
Max. Tool Diameter (Empty Neighbor)	mm	Φ200				Φ200			
CNC System	-	NEWAY FANUC[SIEMENS]				NEWAY FANUC[SIEMENS]			
Machine Weight	kg	41000	45000	55000	65000	49000	54000	59000	69000

Note for Double Column Maohning Center: [ ] Option

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PMB - Bridge Type
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PM Series-
Heavy Duty Double Column Machining Center

Item	Unit	PM3040HZ	PM3060HZ	PM3080HZ	PM30100HZ	PM30120HZ	PM3560HZ	PM3580HZ	PM35100HZ	PM35120HZ
Worktable Width	mm	3000					3500			
Worktable Length	mm	4000	6000	8000	10000	12000	6000	8000	10000	12000
Table Load	kg	25000	35000	40000	45000	45000	35000	40000	45000	45000
Worktable Travel (X Axis)	mm	4200	6200[6500]	8500	10500	12500	6200[6500]	8500	10500	12500
Carriage Travel (Y Axis)	mm	4200 [4600]					4600[5200]			
Ram Travel (Z Axis)	mm	1250[1500]					1250[1500]			
Spindle Terminal to Worktable	mm	250~1500[300-1800]			200-1450[250-1750]		200-1450[250-1750]			
Column Span	mm	3800 [4200]					4200 [4600][5200]			
Tool Shank Size	-	BT50					BT50			
Spindle Speed	r/min	40~3500[Z axis1500:40~3000]					40~3500[Z axis 1500:40~3000]			
Max. Output Torque	N.m	1120/1320					1120/1320			
Spindle Motor Power	kW	22/26					22/26			
Ram Section	mm	420×420[Z axis1500:450×450]					420×420[Z axis 1500:450×450]			
X/Y/Z Axis Rapid Travel Speed	m/min	12/12/10	12/12/10	10/12/10	8/12/10		12/12/10	10/12/10	8/12/10	8/12/10
Tool Position	-	[24/32/40/60]					[24/32/40/60]			
Max. Tool Diameter /Length/Weight	mm/mm/ kg	Φ110/350/18					Φ110/350/18			
Max. Tool Diameter (Empty Neighbor)	mm	Φ200					Φ200			
CNC System	-	NEWAY FANUC[SIEMENS]					NEWAY FANUC[SIEMENS]			
Machine Weight	kg	57000	72000	92000	102000	112000	75000	96000	109000	116000

Note for Double Column Machining Center: [ ] Option

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PM Series-
Heavy Duty Double Column Machining Center

Item	Unit	PM2030SC	PM2040SC	PM2060SC	PM2540SC	PM2550SC	PM2560SC	PM2580SC	PM3040SC	PM3060SC	PM3080SC	PM30100SC	PM30120SC
Worktable Width	mm	2000			2500				3000				
Worktable Length	mm	3000	4000	6000	4000	5000	6000	8000	4000	6000	8000	10000	12000
Table Load	kg	16000	20000	26000	23000	25000	30000	35000	25000	35000	40000	45000	45000
Worktable Travel (X Axis)	mm	3200	4200	6200[6500]	4200	5200	6500	8500	4200	6500	8500	10500	12500
Carriage Travel (Y Axis)	mm	3200			3700 [4200]				4200 [4600]				
Ram Travel (Z Axis)	mm	1250[1500]			1250 [1500]				1250 [1500]				
Spindle Terminal to Worktable	mm	250-1250[300-1800]			250~1500 [300~1800]				250~1500 [300~1800]			200-1450[250-1750]	
Column Span	mm	2800[3200]			3300 [3800]				3800 [4200]				
Tool Shank Size	-	BT50			BT50				BT50				
Spindle Speed	r/min	40~2500			40~2500				40~2500				
Max. Output Torque	N.m	1993/2458			1993/2458				1993/2458				
Spindle Motor Power	kW	30/37			30/37				30/37				
Ram Section	mm	450×450			450×450[500x500]				450×450[500x500]				
X/Y/Z Axis Rapid Travel Speed	m/min	15/15/10	15/15/10	12/15/10	12/12/10			10/12/10	12/12/10	12/12/10	10/12/10	8/12/10	
Tool Position	-	[24/32/40/60]			[24/32/40/60]				[24/32/40/60]				
Max. Tool Diameter /Length/Weight	mm/mm/ kg	Φ110/350/18			Φ110/350/18				Φ110/350/18				
Max. Tool Diameter (Empty Neighbor)	mm	Φ200			Φ200				Φ200				
CNC System	-	NEWAY FANUC [SIEMENS]			NEWAY FANUC [SIEMENS]				NEWAY FANUC [SIEMENS]				
Machine Weight	kg	42000	46000	56000	50000	55000	60000	70000	58000	73000	93000	103000	113000

Note for Double Column Maohning Center: [ ] Option

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V - Built-in Spindle

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M - Column-moving
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PMB - Bridge Type
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T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series-
Heavy Duty Double Column Machining Center

Item	Unit	PM3560SC	PM3580SC	PM35100SC	PM35120SC	PM4060SC	PM4080SC	PM40100SC	PM40120SC
Worktable Width	mm	3500			3500	4000			
Worktable Length	mm	6000	8000	10000	12000	6000	8000	10000	12000
Table Load	kg	35000	40000	45000	45000	35000	40000	45000	45000
Worktable Travel (X Axis)	mm	6200[6500]	8500	10500	12500	6200[6500]	8500	10500	12500
Carriage Travel (Y Axis)	mm	4600[5200]				5200[5600]			
Ram Travel (Z Axis)	mm	1250[1500]				1250[1500]			
Spindle Terminal to Worktable	mm	200-1450[250-1750]				250-1500[300-1800][500-2000]			
Column Span	mm	4200 [4600][5200]				5200[5600]			
Tool Shank Size	-	BT50				BT50			
Spindle Speed	r/min	40~2500				40~2500			
Max. Output Torque	N.m	1993/2458				1993/2458			
Spindle Motor Power	kW	30/37				30/37			
Ram Section	mm	450×450[500x500]				450×450[500x500]			
X/Y/Z Axis Rapid Travel Speed	m/min	12/12/10	10/12/10	8/12/10	8/10/10	10/10/10	10/10/10	8/10/10	8/10/10
Tool Position	-	[24/32/40/60]				[24/32/40/60]			
Max. Tool Diameter /Length/Weight	mm/mm/ kg	Φ110/350/18				Φ110/350/18			
Max. Tool Diameter (Empty Neighbor)	mm	Φ200				Φ200			
CNC System	-	NEWAY FANUC [SIEMENS]				NEWAY FANUC [SIEMENS]			
Machine Weight	kg	75000	96000	106000	120000	88000	105000	116000	133000

Note for Double Column Machining Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series-
Column-moving Double Column Machining Center

Item	Unit	PM30100MHZ	PM30120MHZ	PM30140MHZ	PM30160MHZ	PM30180MHZ	PM35100MHZ	PM35120MHZ	PM35140MHZ	PM35160MHZ	PM35180MHZ
Worktable Width	mm	3000					3500				
Worktable Length	mm	10000	12000	14000	16000	18000	10000	120000	140000	160000	180000
Table Load	kg/m²	15000					15000				
Worktable Travel (X Axis)	mm	10500+750 (change head)	12500+750 (change head)	14500+750 (change head)	16500+750 (change head)	18500+750 (change head)	10500+750 (change head)	12500+750 (change head)	14500+750 (change head)	16500+750 (change head)	18500+750 (change head)
Carriage Travel (Y Axis)	mm	4600					4600				
Ram Travel (Z Axis)	mm	1250[1500]					1250[1500]				
Spindle Terminal to Worktable	mm	250~1500[300~1800]					250~1500[300~1800]				
Column Span	mm	4200[4600]					4600				
Tool Shank Size	-	BT50					BT50				
Spindle Speed	r/min	40~3500					40~3500				
Max. Output Torque	N.m	1120/1320					1120/1320				
Spindle Motor Power	kW	22/26					22/26				
Cutting Feed Speed Range	mm	420x420[450x450]					420x420[450x450]				
X/Y/Z Axis Rapid Travel Speed	m/min	12/12/10					12/12/10				
Tool Position	-	[24/32/40/60]					[24/32/40/60]				
Max. Tool Dia./Length/ Weight	mm/ mm/kg	Φ125/350/20					Φ125/350/20				
Max. Tool Diameter (Empty Neighbor)	mm	Φ225					Φ225				
CNC System	-	NEWAY FAUNC [SIEMENS 828D]					NEWAY FAUNC [SIEMENS 828D]				
Machine Weight	kg	95000	105000	115000	125000	135000	100000	110000	120000	130000	140000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
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L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series-
Column-moving Double Column Machining Center

Item	Unit	PM30100MSC	PM30120MSC	PM30140MSC	PM30160MSC	PM30180MSC	PM35100MSC	PM35120MSC	PM35140MSC	PM35160MSC	PM35180MSC
Worktable Width	mm	3000					3500				
Worktable Length	mm	10000	12000	14000	16000	18000	10000	12000	14000	16000	18000
Table Load	kg/m²	15000					15000				
Worktable Travel (X Axis)	mm	10500+750 (change head)	12500+750 (change head)	14500+750 (change head)	16500+750 (change head)	18500+750 (change head)	10500+750 (change head)	12500+750 (change head)	14500+750 (change head)	16500+750 (change head)	18500+750 (change head)
Carriage Travel (Y Axis)	mm	4600					4600				
Ram Travel (Z Axis)	mm	1250[1500]					1250[1500]				
Spindle Terminal to Worktable	mm	250~1500[300~1800]					250~1500[300~1800]				
Column Span	mm	4200[4600]					4600				
Tool Shank Size	-	BT50					BT50				
Spindle Speed	r/min	40~2500					40~2500				
Max. Output Torque	N.m	1993/2458					1993/2458				
Spindle Motor Power	kW	30/37					30/37				
Cutting Feed Speed Range	mm	450×450[500x500]					450×450[500x500]				
X/Y/Z Axis Rapid Travel Speed	m/min	12/12/10					12/12/10				
Tool Position	-	[24/32/40/60]					[24/32/40/60]				
Max. Tool Dia./Length/ Weight	mm/ mm/kg	Φ125/350/20					Φ125/350/20				
Max. Tool Diameter (Empty Neighbor)	mm	Φ225					Φ225				
CNC System	-	NEWAY FANUC [SIEMENS 828D]					NEWAY FANUC [SIEMENS 828D]				
Machine Weight	kg	95000	105000	115000	125000	135000	100000	110000	120000	130000	140000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PM Series-
Column-moving Double Column Machining Center

Item	Unit	PM40100MSC	PM40120MSC	PM40140MSC	PM40160MSC	PM40180MSC
Worktable Width	mm	4000				
Worktable Length	mm	10000	12000	14000	16000	18000
Table Load	kg/m²	15000				
Worktable Travel (X Axis)	mm	10500+750	12500+750	14500+750	16500+750	18500+750
Carriage Travel (Y Axis)	mm	5200[5600]				
Ram Travel (Z Axis)	mm	1500				
Spindle Terminal to Worktable	mm	500~2000[800~2300]				
Column Span	mm	5200[5600]				
Tool Shank Size	-	BT50				
Spindle Speed	r/min	40~2500				
Max. Output Torque	N.m	1993/2458				
Spindle Motor Power	kW	30/37				
Cutting Feed Speed Range	mm	450×450[500x500]				
X/Y/Z Axis Rapid Travel Speed	m/min	10/10/10				
Tool Position	-	[24/32/40/60]				
Max. Tool Dia./Length/ Weight	mm/ mm/kg	Φ125/350/20				
Max. Tool Diameter (Empty Neighbor)	mm	Φ225				
CNC System	-	NEWAY FANUC [SIEMENS 828D]				
Machine Weight	kg	110000	125000	135000	150000	160000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle

HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry

PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle

T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

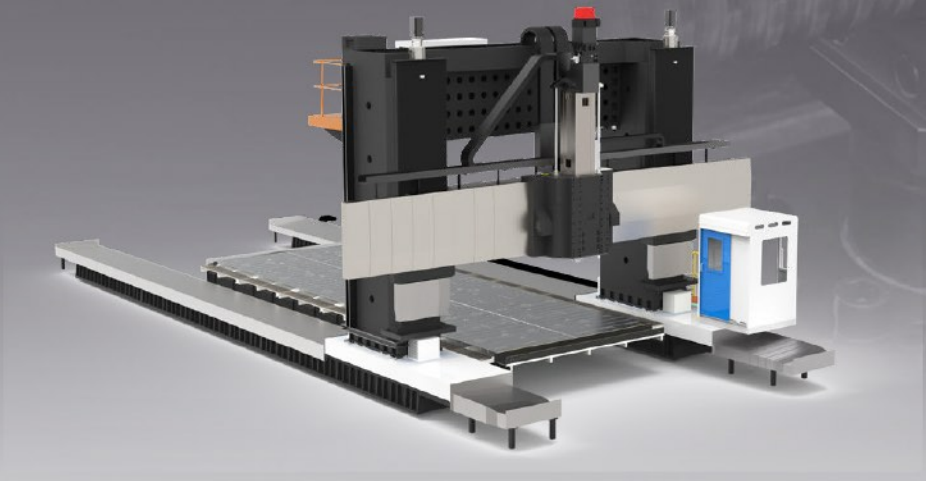
PM Series-
Column-moving Double Column Machining Center

Item	Unit	PM50120MSC	PM50140MSC	PM50160MSC	PM60120MSC	PM60140MSC
Worktable Width	mm	5000			6000	
Worktable Length	mm	12000	14000	16000	12000	14000
Table Load	kg/m²	15000			15000	
Worktable Travel (X Axis)	mm	10500+750(change head)	12500+750(change head)	14500+750(change head)	16500+750(change head)	18500+750(change head)
Carriage Travel (Y Axis)	mm	6800+400 (Tool Change) [6600+400 (Tool Change) (at Z-axis travel 2000)]			6800+400 (Tool Change) [6600+400 (Tool Change) (at Z-axis travel 2000)]	
Ram Travel (Z Axis)	mm	1500[2000]			1500[2000]	
Spindle Terminal to Worktable	mm	500~2000[1000~2500][500~2500]			500~2000[1000~2500][500~2500]	
Column Span	mm	6800			7800	
Tool Shank Size	-	BT50			BT50	
Spindle Speed	r/min	40~2500			40~2500	
Max. Output Torque	N.m	1993/2458			1993/2458	
Spindle Motor Power	kW	30/37			30/37	
Cutting Feed Speed Range	mm	500×500[550×550(at Z-axis travel 2000)]			500×500[550×550(at Z-axis travel 2000)]	
X/Y/Z Axis Rapid Travel Speed	m/min	10/10/10			10/10/10	
Tool Position	-	[24/32/40/60]			[24/32/40/60]	
Max. Tool Dia./Length/ Weight	mm/ mm/kg	Φ125/350/20			Φ125/350/20	
Max. Tool Diameter (Empty Neighbor)	mm	Φ225			Φ225	
CNC System	-	NEWAY FANUC [SIEMENS 828D]			NEWAY FANUC [SIEMENS 828D]	
Machine Weight	kg	135000	145000	155000	147000	159000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PMW Series -
W-axis Column-moving Double Column Machining Center



Item	Unit	PMW40100MSC	PMW40120MSC	PMW40160MSC	PMW40180MSC
Worktable Width	mm	4000			
Worktable Length	mm	10000	12000	16000	18000
Table Load	kg/m²	20000			
Worktable Travel (X Axis)	mm	10500+700(change head)	12500+700(change head)	16500+700(change head)	18500+700(change head)
Carriage Travel (Y Axis)	mm	6200			
Ram Travel (Z Axis)	mm	1500			
Beam Travel (W Axis)	mm	2250			
Spindle Terminal to Worktable	mm	50~3800			
Column Span	-	5200			
Tool Shank Size	r/min	BT50[BT60][JT60]			
Spindle Speed	N.m	40~1500			
Max. Output Torque	kW	2984/3653			
Spindle Motor Power	mm	44/64.6			
Cutting Feed Speed Range	m/min	500x500			
X/Y/Z Axis Rapid Travel Speed	-	10/10/10/2			
Tool Position	mm/mm/kg	[32/40/60]			
Max. Tool Dia./Length/Weight	mm	Φ125/350/20			
Max. Tool Diameter (Empty Neighbor)	mm	Φ225			
CNC System	kg	SIEMENS ONE [FANUC 31i]			
Machine Weight		165000	185000	225000	245000

Note for Double Column Machining Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PMD Series-
Double Column Machining Center for Industrial Application

Item	Unit	PMD2550H
Table width	mm	2500
Table length	mm	5000
Table load capacity	kg	20000
Table travel (X)	mm	5200
Saddle travel (Y)	mm	3200
Ram travel (Z)	mm	1250
Spindle nose to table surface	mm	250~1500
Column distance	mm	3200
Tool	-	BBT50
Spindle speed	r/min	40~6000
Max. output torque	N.m	770/910
Spindle motor power	kW	22/26
Ram section	mm	450x450
Rapid traverse X/Y/Z	m/min	12/15/12
Semi-auto universal head (C)	°	auto 1°indexing
Semi-auto universal head (A)	°	manual 1°indexing
Semi-auto universal head speed	r/min	3500
CNC control	-	NEWAY FANUC
Machine weight	kg	55000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PME Series-
Double Column Machining Center for Industrial Application

Item	Unit	PME2030V	PME2030VD	PME2030VH
Table width	mm	2000		3000
Table length	mm	3000		2000
Table load capacity	kg	5000		5000
X-axis travel	mm	3000		2000
Y-axis travel	mm	2000	1380/1380	3000
Z-axis travel	mm	700		700
Spindle end to table surface	mm	50-750		150-850
Spindle end to rotary table center	mm	-		
Columns distance	mm	2300		3400
Tool shank size	-	HSK-A63		HSK-A63
Max. spindle speed	r/min	18000		x18000
Max. output torque	N.m	28.5/33.9		28.5/33.9
Spindle motor power	kW	18.5/22		18.5/22
Rapid traverse X/Y/Z	m/min	60/60/48	60/60/30	60/60/48
No. of tools	-	16(24)	16(24)x2	24
Max. tool dia./length/weight	mm/mm/kg	Φ80/300/7		Φ80/300/7
Max. tool dia. (no adjacent tool)	mm	Φ150		Φ150
Control system		FANUC 0i-MF (SIEMENS)		
Machine weight	kg	14000	16000	18000

Note for Double Column Maohning Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

PME Series-
Double Column Machining Center for Industrial Application

Item	Unit	PME2030U	PME2030UH	PME2030UT	PME2030DUT
Table width	mm	2000	3000	-	-
Table length	mm	3000	2000	-	-
Table load capacity	kg	5000	5000	-	-
Rotary table	mm	-		630	630
Rotary table load capacity	kg	-		1500	1500
Max. workpiece swing dia.		-		2000	2000
X-axis travel	mm	3000	2000	3000	3000
Y-axis travel	mm	2000	3000	2000	2000
Z-axis travel	mm	1000	1000	1000	1250
Spindle end to table surface	mm	200-1200	200-1200	-	-
Spindle end to rotary table center	mm	-		-150/850	-275/975
Columns distance	mm	2600	3500	2600	2650
Tool shank size	-	HSK-A63			HSK-A63
Max. spindle speed	r/min	18000			24000
Max. output torque	N.m	35/42			20/26
Spindle motor power	kW	20/23.5			26/34
A/C indexing angle	°	±110/±200			±110/±200
Rapid traverse X/Y/Z	m/min	60/60/48			120/120/120
No. of tools	-	24	24	40	40×2
Max. tool dia./length/weight	mm/mm/kg	Φ80/300/7	Φ80/400/8	Φ80/400/8	Φ80/400/8
Max. tool dia. (no adjacent tool)	mm	Φ150			Φ150
Control system		SIEMENS 828D (FANUC 0i-MF)	SIEMENS 828D	SIEMENS 828D	SIEMENS ONE (dual channel)
Machine weight	kg	22000	28000	30000	42000

Note for Double Column Machining Center: [ ] Option

HA - Standard
HC/HP - Upgraded Version
L - Direct-drive Spindle
V - Built-in Spindle
HZ - Heavy Cutting
SC - Super Heavy Cutting
M - Column-moving
PME - EV Industry
PMB - Bridge Type
PMW - W-Axis Type
PMD - Mould & Die Industry
U - Universal Spindle
T - Rotary Table Type
D - Double Ram
L(PMB) - Linear Motor

HPB Series-
Horizontal Planer Boring & Milling Center

Item	Unit	HPB130	HPB160
Worktable Size	mm	1800×2000	2000×2500
Maximum Worktable Capacity	kg	25000	30000
T-Slot Width	mm	28	28
Maximum Table Speed (B-axis)	rpm	2	2
Worktable Cross-Axis Travel (X-axis)	mm	3000	3000
Spindle Box Travel (Y-axis)	mm	2200	2200
Worktable Travel (Z-axis)	mm	2500	2500
Boring Axial Travel (W-axis)	mm	800	1000
Table Rotation (B-axis)	°	360	360
Distance from spindle centerline to worktable surface	mm	100~2300	100~2300
Distance from the spindle end to the center line of the worktable	mm	-350~2950	-550~2950
Rapid Travel Speed (X/Y/Z/W-axis)	m/min	25/25/25/16	25/25/25/16
Maximum Cutting Feed Rate (X/Y/Z/W-axis)	m/min	20/20/20/12	20/20/20/12
Boring Spindle Diameter	mm	Φ130	Φ160
Milling Spindle End Diameter	mm	Φ221.44	Φ260
Spindle Taper	-	BT50	BT50
Pull Stud	-	MAS403 P50T-1	MAS403 P50T-1
Spindle Motor Power	kW	31/37	44/51
Spindle Speed	rpm	10~3500	10~3000
Maximum Milling Spindle Torque	N.m	2032/2425	2528/2930
Maximum Boring Spindle Axial Resistance	N	25000	25000
Maximum Tool Diameter/Length/Weight	mm/mm/kg	Φ125/600/35	Φ125/600/35
Maximum Tool Diameter (No Adjacent Tools)	mm	Φ250	Φ250

Note for CNC boring machine [ ] Option

HB-Cross Table Type	FB-Floor Type	U-Facing Head	A-Upgraded Version
PB- Planer Type	B- Linear guideway	R-Ram Spindle	H- Box guideway

HB Series-
Cross Type Boring & Milling Center

HB110 Series		
Item	Unit	HB110S
Worktable Size	mm	1250x1250
Max. Worktable Load	kg	5000
Worktable T Slot Width	mm	28
Worktable Travel (X Axis)	mm	1600
Spindle Box Travel (Y Axis)	mm	1200
Column Travel (Z Axis)	mm	1200
Boring Shaft Travel (W Axis)	mm	600
Boring Shaft Dia.	mm	Φ110
Spindle Taper	-	BT50
Spindle Motor Power	kW	15/18.5
Spindle Speed	rpm	10~2500
Max. Spindle Torque	N.m	1214/1497
Max. Axial Reactance	N	15000

Note for CNC boring machine [ ] Option

HB-Cross Table Type	FB-Floor Type	U-Facing Head	A-Upgraded Version
PB- Planer Type	S- Linear guideway	R-Ram Spindle	H- Box guideway

PB Series-
Planer planer Type Boring & Milling Center

		PB110 Series		PB130 Series			
Item	Unit	PB110S	PB110U	PB130S	PB130HA	PB130R	PB130U
Worktable Size	mm	1250x1400 [1400x1600]		1800x2000 [2000x2500]		2000x2500 [2500×3000]	1600×1800 [2000×2000] [2000×2500]
Max. Worktable Load	kg	5000[8000]		20000[25000]		25000[40000]	15000 [25000]
Worktable T Slot Width	mm	28		28			28
Worktable Travel (X Axis)	mm	2000[2500]		3000[4000]		3000 [4000]	3000 [4000]
Spindle Box Travel (Y Axis)	mm	1600[2000]	1600	2200[3000]		2000 [3000][4000]	2000 [2500]
Column Travel (Z Axis)	mm	1400		2000			1600
Ram Travel (V Axis)	mm	/		/		1000	/
Boring Shaft Travel (W Axis)	mm	600		800			800
Facing Head Slider Radial Travel (U Axis)	mm	/	200 (±100)	/			300 (±150)
Boring Shaft Dia.	mm	Φ110		Φ130			Φ130
Spindle Taper	-	BT50		BT50			BT50
Spindle Motor Power	kW	15/18.5		30/37	37/45	31/37	22/30
Spindle Speed	rpm	10~2500	10~1500	10~2500		10~2500[10~3000]	10~1500
Max. Milling Spindle Torque	N.m	1214/1497	1480/1826	2389/2946	2942/3578	2827/3374	2600/3120
Max. Axial Reactance	N	15000		25000			25000
Facing Head Dia.	mm	/	Φ670	/			Φ800
Facing Head Speed	rpm	/	7-165	/			5~150
Max. Facing Head Torque	N.m	/	2232	/			5000

Note for CNC boring machine

[ ] Option

HB-Cross Table Type
PB- Planer Type
FB-Floor Type
B- Linear guideway
U-Facing Head
R-Ram Spindle
A-Upgraded Version
H- Box guideway

PB Series-
Planer Type Boring & Milling Center

		PB160 Series			
Item	Unit	PB160S	PB160HA	PB160R	PB160U
Worktable Size	mm	2000x2500	2000x2500	2500x3000 [3000×3000][3000×4000]	2000x2000 [2000x2500]
Max. Worktable Load	kg	25000	25000	40000 [60000]	15000 [25000]
Worktable T Slot Width	mm	28	28	28	28
Worktable Travel (X Axis)	mm	3000[4000]	3000[4000]	4000 [5000][6000]	3000 [4000]
Spindle Box Travel (Y Axis)	mm	2200[3000]	2200[3000]	3000 [4000]	2000 [2500][3000]
Column Travel (Z Axis)	mm	2000	2000	2000	1600
Ram Travel (V Axis)	mm	/	/	1000	/
Boring Shaft Travel (W Axis)	mm	900	900	800	900
Facing Head Slider Radial Travel (U Axis)	mm	/	/	/	300 (±150)
Boring Shaft Dia.	mm	Φ160	Φ160	Φ160	Φ160
Spindle Taper	-	BT50	BT50	BT50	BT50
Spindle Motor Power	kW	37/45	37/45	44/51	30/37
Spindle Speed	rpm	10~2000	10~2000	10~2000[10~2500]	10~1500
Max. Milling Spindle Torque	N.m	2943/3579	2942/3578	3080/3696	2677/3302
Max. Axial Reactance	N	25000	25000	25000	25000
Facing Head Dia.	mm	/	/	/	Φ800
Facing Head Speed	rpm	/	/	/	5~150
Max. Facing Head Torque	N.m	/	/	/	5000

Note for CNC boring machine [ ] Option

HB-Cross Table Type FB-Floor Type U-Facing Head A-Upgraded Version
PB- Planer Type B- Linear guideway R-Ram Spindle H- Box guideway

FB Series-
Floor Type Boring & Milling Center

		FB130 Series	FB160 Series	FB200 Series
Item	Unit	FB130	FB160	FB200
Column Travel (X Axis)	mm	6000[Opt. Increase by Every 1000]	8000[Opt. Increase by Every 1000]	10000[Opt. Increase by Every 1000]
Spindle Box Travel (Y Axis)	mm	2000[3000][4000]	3000[4000]	5000[6000][7000]
Ram Travel (Z Axis)	mm	1000	1000	1400
Boring Shaft Travel (W Axis)	mm	800	800	1200
Worktable Travel (V Axis)	mm	2000[3000]	2000[3000]	2000[3000]
Boring Shaft Dia.	mm	Φ130	Φ160	Φ200
Ram Section	mm	450×450	450×450	550×550
Spindle Taper	-	BT50	BT50	BT60[BT50]
Spindle Motor Power	kW	31/37	44/51	81/100
Spindle Speed	rpm	10~2500[10~3000]	10~2000[10~2500]	10~2000
Max. Spindle Torque	N.m	2827/3374	3080/3572	4210/5197
Max. Spindle Axial Reactance	N	25000	25000	45000
Worktable Size	mm	2000×2500[2500×3000]	2500×3000[3000×3000][3000×4000]	3000×4000[3500×4000]
Max. Table Load [optional]	kg	25000[40000]	40000[60000]	60000[80000]
Worktable T Slot Width	mm	28	28	28

Note for CNC boring machine

[ ] Option

HB-Cross Table Type
PB- Planer Type
FB-Floor Type
B- Linear guideway
U-Facing Head
R-Ram Spindle
A-Upgraded Version
H- Box guideway

SMG Series-CNC Spherical Grinding Machine

Item	Unit	SMG32H	SMG63HA	SMG100H	SMG240H
Work range O.D	mm	SΦ75~320	SΦ320~630	SΦ630-1100	SΦ900-2400
Work range I.D	inch	2"~8"	8"~16"	16"~28"	24"~64"
Grinding wheel spindle motor power	kW	15	15/18.5	28	80
Grinding wheel spindle torque	N.m	96	98	267	1910
Grinding wheel max. spindle speed	rpm	6000	2700	1500	500
Workpiece turn spindle motor power	kW	3.7	5.5	7.5	55
Workpiece turn spindle torque	N.m	24	36	49	709.8
Workpiece turn spindle max. speed	rpm	60	30	15	10
Travel Y/Z	mm	200/500	200/500	400/900	800/2000
Rapid travel speed Y/Z	m/min	18/20	18/20	16/16	6/4
CNC controller	-	SIEMENS [NEWAY FANUC]		SIEMENS	
Machine weight	kg	6000	7500	22000	85000

[ ] Option

Note for SMG series:

H -Standard **A** -Upgraded Version

GVC Series-
Vertical Compound Grinding Machine

Item		Unit	GVC125
Machining Range	Internal Grinding Diameter	mm	Φ50-Φ1200
	External Grinding Diameter	mm	-Φ1200
	Internal Grinding Length	mm	340 (for workpieces with internal diameter ≤ Φ250) 500 (for workpieces with internal diameter >Φ250)
	External Grinding Length	mm	500
	Face Grinding Height	mm	500
Clamping Range	Spindle Swing Diameter	mm	1250
	Workpiece Height on Spindle Table	mm	600
	Table Load Capacity	kg	4000
Vertical Grinding Wheel Head	Rotating Speed	rpm	3000-9000
	Grinding Wheel Diameter	mm	Φ40-Φ250
	Interface		HSK-A100
	Grinding Wheel Linear Speed	m/s	45
Horizontal Grinding Wheel Head	Rotating Speed	rpm	3000-6000
	Grinding Wheel Diameter	mm	Φ250-Φ400
	Interface		1:5
	Grinding Wheel Linear Speed	m/s	45
Worktable	Dimension	mm	Φ1200
	Rotating Speed	rpm	5-70
	Fixture		Electro-permanent Chuck
X1/X2 Axis	Travel Distance	mm	1200
	Travel Speed	mm/min	12
Z1/Z2 Axis	Travel Distance	mm	680
	Travel Speed	mm/min	12
Coolant Tank Capacity		L	1000
Machine Floor Area		mm	4400 (L) × 2200 (W)
Machine Weight		kg	20000

GiT Series-
Internal Thread Grinding Machine

GET Series-
External Thread Grinding Machine

			Internal Thread Grinding		External Thread Grinding	
	Item	Unit	GiT15	GiT20	GET1530	GET20100
Machining Range	Grinding Diameter	mm	Φ10-Φ150	Φ10-Φ200	φ10-φ150	φ10-φ200
	Grinding Length	mm	150	200	300	1000
	Thread Lead Angle (Grinding)	°	±15		±35	
	Number of Thread Starts (Grinding)		Arbitrary		Arbitrary	
Headstock (C Axis)	Swing Diameter	mm	Φ250	Φ350	φ250	φ350
	Height to Worktable	mm	160	220	160	190
	Rotating Speed	rmp	0-290	0-170	0-290	0-170
	Drive Mode		Direct Drive		Direct Drive	
A Axis	Drive Mode		Direct Drive		Direct Drive	
Grinding Wheel Spindle	Rotating Speed	Kw/rmp	Determined by Workpiece to be Ground		25/6000	
	Lubrication Mode		Grease/Oil-Air		Grease	
Dressing Spindle	Rotating Speed	rmp	12000		12000	
	Roller Mounting Diameter	mm	Φ40		Φ40	
	Lubrication Mode		Grease		Grease	
X Axis	Travel Distance	mm	300		300	
	Travel Speed	m/min	20		20	
Z Axis	Travel Distance	mm	400	500	500	1200
	Travel Speed	m/min	20		20	
Machine Floor Area		mm	1700x2200	1900x2200	2400x2200	4100x2400
Machine Weight		kg	5000	6000	6000	11000

FMS Series-Automatic Production Line

Automatic line for processing flywheel shell

Machine: VM1370H+VNL80S+HE63VS

Workpiece name: flywheel housing
Workpiece material: aluminum alloy

Automatic line for processing automobile engine shell

Machine: VM950S+VM1150S

Workpiece name: automobile engine shell
Workpiece material: magnesium alloy

Mixed processing automatic line

Machine: VM950SL+NL201HG+NL201H

Workpiece name: input shaft
Workpiece material: 45# steel

Automatic line for processing generator claw pole

Machine: NL201HA

Workpiece name: generator claw pole
Workpiece material: QD08 forging

NEWAY

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