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Genertec Shenyang Machine Tool  
**Comprehensive  
catalogue of products**

Lathes

Special-purpose machines

Boring/milling machines

5-axis machines

Automated machining production line



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# Serve national strategy Focus on main responsibility and main business

Leveraging the core technical competition edge and resources advantages, Genertec Group actively carries out reconstruction and collaboration with relevant enterprises and science research institutes, and has become a leading machine tool enterprise with the most enormous comprehensive strength, most extensive service field and largest influence in machine tool field of China.



Advanced manufacturing and technical service



Pharmaceutical, medical treatment and health



Trading and engineering service

With a long history and abundant accumulation, Genertec Shenyang Machine Tool is one of the 156 key construction projects of China during the “1st five-year plan” period and one of “18” key enterprises in machine tool industry of new China, and has made numerous records of No. 1 in new China. In 2019, Genertec Group strategically reconstructed Shenyang Machine Tool, so that Shenyang Machine Tool became a key enterprise of its equipment manufacturing field segment.

At present, under the uniform deployment made by Genertec Group, Shenyang Machine Tool has clarified the “specialized and sophisticated” high-quality development road, and will focus on limit manufacture, intelligent manufacture, high-end manufacture and efficient manufacture, concentrate on key fields such as track traffic and motor vehicle, and provide comprehensive solution to customer; main products include 5-axis linkage CNC machine tool, gantry machining center, horizontal milling/boring machine and turning center, etc. The company is determined to substantially enhance independent innovation capability through relentless efforts, make effort to make new breakthrough in research, development and manufacture of high-end CNC machine tool, and make contribution to comprehensive revitalization of old industrial base in northeast China and revitalization of machine tool industry of China.

01

## MISSION

Creating a Better Life with Good Technology and Quality Service

02

## VISION

To Become a World-class High-end Machine Tool enterprise leading the development of technology

03

## VALUES

Integrity Inclusion  
Innovation Entrepreneurship  
Excellence Mutual Benefits

## HTC 40E New Generation CNC Horizontal Lathe

### Technical parameters

Items	Unit	HTC 40E	
Maximum swing diameter over bed	mm	Φ500	Φ500
Maximum swing diameter over cross slide	mm	Φ320	Φ320
Maximum cutting diameter	mm	Φ360	Φ360
Maximum cutting length	mm	300	500
Spindle speed range	r/min	50-4500	50-4500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



## HTC 40B New Generation CNC Horizontal Lathe

### Technical parameters

Items	Unit	HTC 40B	
Maximum swing diameter over bed	mm	Φ600	Φ560
Maximum swing diameter over cross slide	mm	Φ320	Φ350
Maximum cutting diameter	mm	Φ400	Φ360
Maximum cutting length	mm	500	1000
Spindle speed range	r/min	50-3500	50-4000

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



## HTC 40P New Generation CNC Horizontal Lathe

### Technical parameters

Items	Unit	HTC 40P	
Maximum swing diameter over bed	mm	Φ600	Φ600
Maximum swing diameter over cross slide	mm	Φ400	Φ400
Maximum cutting diameter	mm	Φ500	Φ500
Maximum cutting length	mm	1000	1500
Spindle speed range	r/min	50-3500	50-3500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



## HTC 32m New Generation CNC Horizontal Lathe

### Technical parameters

Items	Unit	HTC 32m	
Maximum swing diameter over bed	mm	Φ600	Φ600
Maximum swing diameter over cross slide	mm	Φ320	Φ320
Maximum cutting diameter	mm	Φ320	Φ320
Maximum cutting length	mm	460	460
Spindle speed range	r/min/Nm	50 ~ 3500/177 GSK system	50 ~ 3500/177 GSK system

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# HTC 4050s New Generation CNC Horizontal Lathe

## Technical parameters

Items	Unit	HTC 4050s
Maximum swing diameter over bed	mm	Φ600
Maximum swing diameter over cross slide	mm	Φ320
Maximum cutting diameter	mm	Φ400
Maximum cutting length	mm	500
Spindle speed range	r/min/Nm	50 ~ 4000/28450-4000/284 GSK system



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# HTC 50 Series New Generation CNC Horizontal Lathe

## Technical parameters

Items	Unit	HTC 50E Series	HTC 50B Series	HTC 50P Series
Maximum swing diameter over bed	mm	700、670、670	700、670、670	700、670、670
Maximum swing diameter over cross slide	mm	Φ500	Φ500	Φ500
Maximum cutting diameter	mm	Shafts:Φ500/Discs:Φ550	Shafts:Φ500/Discs:Φ550	Shafts:Φ500/Discs:Φ630
Maximum cutting length	mm	1000、1500、2000	1000、1500、2000	1000、1500、2000
Spindle speed range	r/min/Nm	50 ~ 3500/344 GSK system	35 ~ 3000/890 FANUC	35 ~ 3000/680 GSK system



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# HTC 50/63/80 Series New Generation CNC Horizontal Lathe

## Technical parameters

Items	Unit	CQ 550	CQ 550Z	CQ 700	CQ 850
Maximum swing diameter over bed	mm	Φ600	Φ600	Φ730	Φ950
Maximum swing diameter over cross slide	mm	Φ430	Φ690	Φ700	Φ800
Maximum turning diameter	mm	Φ500	Φ320	Φ550	Φ630
Maximum turning length	mm	(L)900(R)1500/(L)900(R)2000	(L)800(R)1300	(L)1000(R)1700	(L)1300(R)2100
Maximum distance between centers	mm	2500/3000	3000	2600	3000
Spindle speed range	r/min	50-1200	90-400	35-2200(1st)/35-2200(second)	20-1200

Items	Unit	HTC 40n Series 45° Bed	HTC 50n Series 45° Bed	HTC 50nm Series 45° Bed	HTC 50n Series 75° Bed
Maximum swing diameter over bed	mm	Φ660	Φ650	Φ650	Φ700
Maximum swing diameter over saddle	mm	Φ400	Φ500	Φ500	Φ500
Maximum turning diameter (shafts/discs)	mm	Φ400	Φ500	Φ500	Φ500
Maximum turning length	mm	900/1400/1900/2400	500/1000/1500/2000/2500	500/1000/1500/2000/2500	1500/2500
Spindle speed range	r/min	35-3000	35-3000	35-3000	30-2000



Items	Unit	HTC 63n Series 45° Bed	HTC 63n Series 75° Bed	HTC 63nm Series 45° Bed	HTC 63ny Series 45° Bed	HTC 80n Series 75° Bed	HTC 80nm Series 45° Bed
Maximum swing diameter over bed	mm	Φ850/Φ850/Φ850/Φ820	Φ900	Φ850/Φ850/Φ850/Φ820	Φ1000/Φ1000/Φ970/Φ950	Φ1000/Φ1000/Φ1000/Φ970/Φ950	Φ950
Maximum swing diameter over saddle	mm	Φ630	Φ630	Φ630	Φ800	Φ800	Φ800
Maximum turning diameter (shafts/discs)	mm	Φ630/Φ750	Φ630/Φ750	Φ630/Φ750	Φ630	Φ800	Φ800
Maximum turning length	mm	1000/1500/2000/3000	1000/1500/2000/3000	1000/1500/2000/3000	1400/1900/2900	1000/1500/2000/3000/4000	1000/1500/2000/3000/4000
Spindle speed range	r/min	20-2000	20-1200	20-2000	20-1200	20-1200	20-1200

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# HTM Series Horizontal Turning/Milling Center

## Technical parameters

Items	Unit	HTM40Series HTM 40100n	HTM50Series	HTM63Series HTM 63200	HTM63Series HTM 63300	HTM80Series HTM 80150	HTM80Series HTM 80300	HTM80Series HTM 80600
Maximum swing diameter over bed	mm	Φ600	Φ720	Φ900	Φ900	Φ900	Φ900	Φ900
Maximum machining length	mm	1000	1000/2000/3000	2000	3000	1500	3000	6000
Maximum machining diameter	mm	Φ400	Φ500	Φ630	Φ630	Φ800	Φ800	Φ800
Maximum speed	r/min	4000	2000	2000	2000	2000	2000	2000



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# HTC 125 Series CNC Horizontal Lathe

## Technical parameters

Items	Unit	HTC 125150	HTC 125300	HTC 125500
Maximum swing diameter over bed	mm	1250	1250	1250
Maximum swing diameter over cross slide	mm	850	850	850
Maximum cutting diameter	mm	1250	1250	1250
Maximum cutting length	mm	1500	3000	5000
Spindle speed range	r/min	5-500	5-500	5-500



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# V2/4/6 Series CNC Vertical Lathe

## Technical parameters

Items	Unit	V 2S	V 4C	V 4S	V 6i	V 6C	V 6S
Maximum swing diameter over bed	mm	Φ500	Φ650	Φ720	Φ800	Φ860	Φ1000
Maximum cutting height	mm	350	500	650	740	700	800
Maximum cutting diameter	mm	Φ330	Φ500	Φ600	Φ600	Φ800	Φ900
Spindle speed range	r/min	50-3000	50-2500	50-2500	50-2000	50-1500	50-800



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# VTC Series CNC Vertical Lathe

## Technical parameters

Items	Unit	VTC 12560S	VTC 160100S	VTC 160100	VTC 250140	VTC 350140
Workbench diameter	mm	Φ1250	Φ1400	Φ1400	Φ2000	Φ3150
Maximum turning diameter	mm	Φ1250	Φ1600	Φ1600	Φ2500	Φ3500
Maximum workpiece height	mm	600	1000	1600	2000	2500
Maximum rotation speed of workbench	rpm	280	280	280	150	60

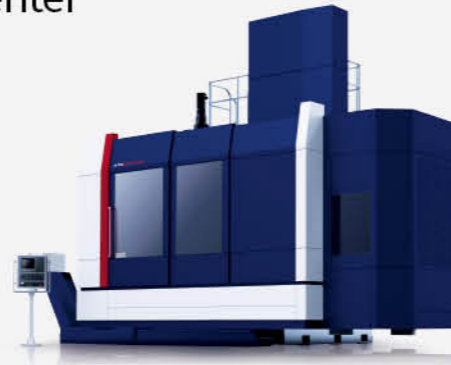


Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# VTC M Series Vertical Turning/Milling Center

### Technical parameters

Items	Unit	VTC125100M	VTC160100M	VTC250140M	VTC300140M	VTC350140M	VTC400140M
Workbench diameter	mm	Φ1000	Φ1400	Φ2000	Φ2500	Φ3000	Φ3500
Maximum turning diameter	mm	Φ1250	Φ1600	Φ2500	Φ3000	Φ3500	Φ4000
Maximum workpiece height	mm	1000	1200	1600	2000	2000	2000
Maximum turning speed of workbench	r/min	300	280	160	120	80	80



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# S Series [ Classic Model ] Machine Tools for Petroleum Industry

### Technical parameters

Items	Unit	STC 11	STC 18	STC 22	STC 34
Maximum swing diameter over bed	mm	Φ630	Φ630	Φ800	Φ900
Maximum cutting length	mm	600	600	1000/1500/3000	1000/1500/3000
Maximum cutting diameter	mm	Φ114	Φ180	Φ219 (Powered chuck)	Φ340
Scope of applicability of petroleum products	Inc	2 3/8 " - 4 1/2 "	2 3/8 " - 7 "	4 1/2 " - 8 5/8 " (Powered chuck)	4 1/2 " - 13 3/8 "
Spindle speed range	r/min	90-610	90-610	90-450	90-350



STC Series[Economical-type]

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

### Technical parameters

Items	Unit	S 18	S 22	S 34
Maximum swing diameter over bed	mm	Φ650	Φ720	Φ850
Maximum cutting length	mm	200	200	200
Maximum cutting diameter	mm	Φ140/Φ180	Φ220/Φ245	Φ300/Φ340
Scope of applicability of petroleum products	Inc	2 3/8 " - 5 1/2 " / 2 3/8 " - 7 "	3 1/2 " - 9 5/8 "	5 1/2 " - 10 3/4 "
Spindle speed range	r/min	200-750/200-670	200-600/200-550	90-400



S Series[Efficient-type]

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

### Technical parameters

Items	Unit	SUC 6035b
Scope of applicability of petroleum products	Inc	3 7/8 " - 17 1/2 "
Maximum rotation speed of U-axis	r/min	750 (cutter is at the center of U-axis)
Maximum rotation speed of U-axis	r/min	500 (cutter is ±25 from U-axis)



SUC6035b[Special-purpose]

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

### Technical parameters

Items	Unit	SUC 34	SUC 50	SUC 60
Maximum cutting diameter	mm	Φ340	Φ508	Φ610
Maximum cutting length	mm	130	130	130
Scope of applicability of petroleum products	Inc	5 1/2 " - 13 3/8 "	13 3/8 " - 20 "	16 " - 24 "
Spindle speed range	r/min	90-400	90-200	90-200



SUC Series[Special-purpose]

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

### Technical parameters

Items	Unit	S 22100n	S 22150n	S 22200n	S 22300n
Maximum swing diameter over bed	mm	Φ1000	Φ1000	Φ1000	Φ970
Maximum cutting diameter	mm	Φ220	Φ220	Φ220	Φ220
Maximum cutting length	mm	1000	1500	2000	3000
Maximum rotation speed of spindle	r/min	600	600	600	600

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



Sn Series [Composite-type]

### Technical parameters

Items	Unit	S1- 245B	S1- 262A	S1- 320
Diameter of pipe machined	mm	Φ114-Φ219	Φ114-Φ340	Φ219-Φ508
Maximum cutting length (saddle travel)	mm	1000/1500/3000	1000/1500/3000	1500/3000
Spindle speed range	r/min	8-306	5.6-254	6-200

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



S1 Series [Common-type]

# GMC RV Series Gantry CNC Boring/Milling Machine

### Technical parameters

Items	Unit	GMC 1220RV	GMC 1530RV	GMC 1630RV	GMC 2040RV	GMC 2060RV
Travel of workbench-X axis	mm	2000	3000	3200	4200	6200
Travel of cross slide-Y axis	mm	1300	1550	2600	3000	3000
Travel of ram-Z axis	mm	750	750	1000[1250]	1000[1250]	1000[1250]
Rotation speed range	r/min	40-6000	40-6000	40-4500 40-6000	40-4500 40-6000	40-4500 40-6000
Output torque (rated/30min)	N.m	460/552	460/552	770/924	770/924	770/924
Power of spindle motor (rated/30min)	kW	12/14.4	12/14.4	22/26.4	22/26.4	22/26.4
Section size of rectangle ram	mm	400×320	400×320	400×400	400×400	400×400

Items	Unit	GMC 2560RV	GMC 2580RV	GMC 3060RV	GMC 3080RV
Travel of workbench-X axis	mm	6200	8200	6200	8200
Travel of cross slide-Y axis	mm	3500	3500	4000	4000
Travel of ram-Z axis	mm	1000[1250]	1000[1250]	1250	1250
Rotation speed range	r/min	40-4500 40-6000	40-4500 40-6000	40-4500	40-4500
Output torque (rated/30min)	N.m	770/924	770/924	1050/1260	1050/1260
Power of spindle motor (rated/30min)	kW	22/26.4	22/26.4	30/36	30/36
Section size of rectangle ram	mm	400×400	400×400	400×400	400×400

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# GMC RS Series Gantry CNC Boring/Milling Machine

### Technical parameters

Items	Unit	GMC 2560RS	GMC 3060RS
Travel of workbench-X axis	mm	6200	6200
Travel of slide-Y axis	mm	3300	4400
Travel of ram-Z axis	mm	1500	1500
Rotation speed range	r/min	40-3000	40-3000
Output torque (rated/30min)	N.m	3000/3600	3000/3600
Power of spindle motor (rated/30min)	kW	58/69	58/69
Section size of rectangle ram	mm	500×500	500×500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# GMC **r2Series** Gantry Machining Center / CNC Gantry Boring/Milling Series

## Technical parameters

Items	Unit	GMC 1530r2	GMC 2040r2	GMC 2060r2	GMC 2550r2	GMC 2560r2
Travel of workbench-X axis	mm	3600	4200	6200	5200	6200
Travel of slide-Y axis	mm	2700	3200	3200	3700	3700
Travel of ram-Z axis	mm	1000	1000	1000	1000	1000
Rotation speed range	r/min	10-2000	10-2000	10-2000	10-2000	10-2000
Output torque (rated/30min)	N.m	1361/1633	1361/1633	1361/1633	1361/1633	1361/1633
Power of spindle motor (rated/30min)	kW	37/44	37/44	37/44	37/44	37/44
Section size of rectangle ram	mm	420×470	420×470	420×470	420×470	420×470

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

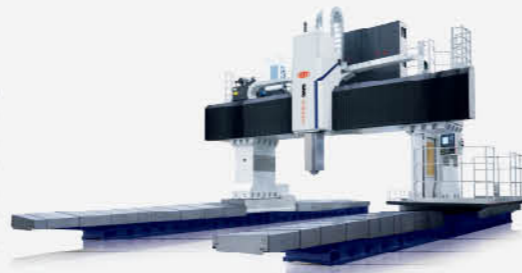


# GMC **GRV Series** Gantry Mobile CNC Boring/Milling Machine

## Technical parameters

Items	Unit	GMC 3080GRV		GMC 4080GRV	
Maximum travel of gantry-X axis	mm	8000+head changing travel		8000+head changing travel	
Maximum travel of slide-Y axis	mm	4200		5200	
Maximum travel of ram-Z axis	mm	1250		1500	
Rotation speed range (infinitely variable speeds)	r/min	40-4500	40-3000	40-4500	40-3000
Output torque of spindle (rated/30min)	N·m	1050/1260	2000/2400	1050/1260	2000/2400
Power of spindle motor (rated/30min)	kW	30/36	30/36	30/36	30/36
Section size of ram	mm	400×400	500×500	400×400	500×500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

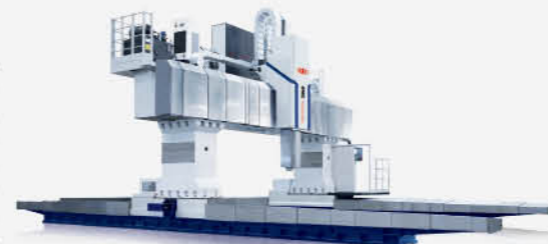


# GMC **GRS Series** Gantry CNC Boring/Milling Machine

## Technical parameters

Items	Unit	GMC 3080GRS	GMC 4080GRS	GMC 5080GRS
Maximum travel of gantry-X axis	mm	8000+head changing travel	8000+head changing travel	8000+head changing travel
Maximum travel of slide-Y axis	mm	4700	5500	6500
Maximum travel of ram-Z axis	mm	1500	1500	1500
Rotation speed range (infinitely variable speeds)	r/min	40-3000	40-3000	40-3000
Output torque of spindle (rated/30min)	N·m	3000/3600	3000/3600	3000/3600
Power of spindle motor (rated/30min)	kW	58/69	58/69	58/69
Section size of ram	mm	500×500	500×500	500×500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# GMC **WRS Series** Moving-beam Gantry Machining Center

## Technical parameters

Items	Unit	GMC 2560WRS	GMC 3060WRS
Travel of workbench-X axis	mm	6200	6200
Travel of slide-Y axis	mm	3700	4200
Travel of ram-Z axis	mm	1500	1500
Maximum travel of crossbeam-W axis	mm	1500/2000	1500/2000
Distance between spindle nose and workbench surface	Maximum mm	3000/3500	3000/3500
	Minimum mm	0	0
Rotation speed range (infinitely variable speeds)	r/min	40-3000	40-3000
Output torque of spindle (rated/30min)	N.m	3000/3600	3000/3600
Power of spindle motor (rated/30min)	kW	58/69	58/69
Section size of ram	mm	500×500	500×500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# GMC **WGRS Series** Moving-beam Gantry Mobile Machining Center

## Technical parameters

Items	Unit	GMC 3580WGRS	GMC 4580WGRS
Travel of workbench-X axis	mm	8000+head changing travel	8000+head changing travel
Travel of slide-Y axis	mm	5100	6100
Travel of ram-Z axis	mm	1500	1500
Maximum travel of crossbeam-W axis	mm	2000	2000
Distance between spindle nose and workbench surface	Maximum mm	3500	3500
	Minimum mm	0	0
Rotation speed range (infinitely variable speeds)	r/min	40-3000	40-3000
Output torque of spindle (rated/30min)	N.m	3000/3600	3000/3600
Power of spindle motor (rated/30min)	kW	58/69	58/69
Section size of ram	mm	500×500	500×500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# GDC **(m)d Series** (Mobile) Gantry CNC Milling/Drilling Machine

## Technical parameters

Items	Unit	GDC 2530d	GDC 2530md	GDC 3030md	GDC 4040md	GDC 5050md	GDC 6060md
Dimension of workbench	mm	2500×3000	2500×3000	3000×3000	4000×4000	5000×5000	6000×6000
Load capacity of workbench	t/m <sup>2</sup>	10T	10	10	10	10	10
Distance between two columns	mm	3210	4000	5000	5500	6440	6840
Maximum distance between spindle nose and workbench	mm	650	650	700	900	900	900
Minimum distance between spindle nose and workbench	mm	150	150	200	400	400	400
Spindle motor power	kW	17.5/21×2	17.5/21×2	17.5/21×2	17.5/21×2	17.5/21×2	17.5/21×2
Maximum rotation speed of spindle	r/min	4500	4500	4500	4500	4500	4500
Minimum distance between two spindles	mm	400	400	400	400	400	400

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# PBC **Series** CNC Horizontal Milling/Boring Machine

## Technical parameters

Items	Unit	PBC 110(f)m	PBC 130m	PBC 110(f)	PBC 130(f)	PBC 160(f)	PBC 130s
Dimension of workbench	mm	1000×1250/1250×1400	1600×1800	1250×1400	1600×1800/2000×2000	2000×2000/2000×2500	1600×1800/2000×2000
Max load capacity of workbench	t	5	10	8	15	25	15
Diameter of spindle	mm	Φ110	Φ130	Φ110	Φ130	Φ160	Φ130
Spindle speed	r/min	10-2500/10-2000(f)	10-3000	10-3000/10-2000(f)	10-3000/10-2000(f)	10-2000/10-1500(f)	10-3500
Power of main motor	kW	17/20.4	25/30	19.5/23.4	25/30	41/49.2	25/30
Maximum torque of spindle	Nm	1300/1600	2100/2600	1100/1300	2100/2600/2800/2600(f)	3300/4000	2100/2600

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# PBC R Series CNC Floor-type Milling/Boring Machine

### Technical parameters

Items	Unit	PBC 130R	PBC 160R	PBC 130RA	PBC 160RA	PBC 130rp	PBC 160rp
Dimension of workbench	mm	10T:2000×2000; 15T:2000×2000; 20T:2000×2500; 25T:2000×2500; 30T:2500×3000					
Max. load capacity of workbench	t	10/15/20/25/30	10/15/20/25/30	10/15/20/25/30	10/15/20/25/30	10/15/20/25/30	10/15/20/25/30
Diameter of spindle	mm	Φ130	Φ160	Φ130	Φ160	Φ130	Φ160
Spindle speed	r/min	10-1500	10-1000	10-1500	10-1000	10-1500	10-1500
Power of main motor	kW	41/49	41/49	41/49	41/49	41/49	60/69
Maximum torque of spindle	Nm	1700/2100	2900/3500	1700/2100	2900/3500	3000/3600	4400/5000

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# Double-face CNC Horizontal Milling/Boring Machine Series

### Technical parameters

Items	Unit	TK 6511B×2	TK 6513×2	PBC 130R×2	PBC 160R×2
Dimension of workbench	mm	1000×6000	1200×6000	1400×10000	2500×11000
Max. load capacity of workbench	t	10	15	10	20
Spindle diameter	mm	Φ110	Φ130	Φ130	Φ160
Spindle speed	r/min	10-2500	10-2000	10-1500	10-1000
Power of main motor	kW	19.5/23.4	25/30	41/49	41/49
Maximum torque of spindle	Nm	1300/1600	2500/3000	1700/2100	2900/3500
Distance between two spindle noses	mm	1200	1300	1600	2800

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# TK65 Series CNC Horizontal Milling/Boring Machine

### Technical parameters

Items	Unit	TK(H) 6511B	TK(H)P 6511B	TK(H) 6513	TK(H)P 6513	TK(H) 6516	TK(H)P 6516
Dimension of workbench	mm	1000×1250/1250×1400		1400×1600/2000×2000		1600×1800/A:2000×2500/B:2500×3000	
Max. load capacity of workbench	t	5	5	10	10	10/A:20/B:30	10/A:20/B:30
Diameter of spindle	mm	Φ110	Φ110	Φ130	Φ130	Φ160	Φ160
Spindle speed	r/min	10-2500	10-2000	10-2000	10-2000	10-1500	10-1500
Power of main motor	kW	19.5/23.4	19.5/23.4	25/30	25/30	41/49.2	41/49.2
Maximum torque of spindle	Nm	1300/1600	1300/1600	2500/3000	2500/3000	3300/4000	3300/4000

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# P-Force Series CNC Floor-type Milling/Boring Machine

### Technical parameters

Items	Unit	P-Force130R	P-Force160R	P-Force130RA	P-Force160RA	FBC130rp	FBC160rp
Spindle diameter	mm	Φ130	Φ160	Φ130	Φ160	Φ130	Φ160
Spindle speed	r/min	10-1500	10-1000	10-1500	10-1000	10-1500	10-1500
Power of main motor	kW	41/49	41/49	41/49	41/49	41/49	60/69
Maximum torque of spindle	Nm	1700/2100	2900/3500	1700/2100	2900/3500	3000/3600	4400/5000
Section size of ram	mm	480×480	480×480	450×450	450×450	480×480	480×480
Travel of ram Z	mm	700	700	1000	1000	1000	1000
Spindle travel W	mm	700	700	900	900	800	800

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

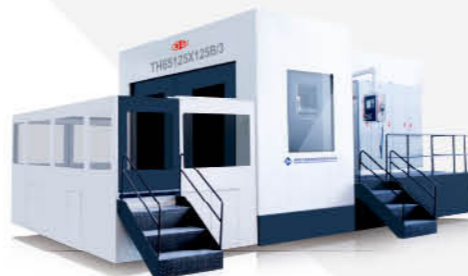


# TH65 Series Horizontal Milling/Boring Center

### Technical parameters

Items	Unit	TH 65100×100B	TH 65100×100B/D	TH 65100×100B-3	TH 65100×100B-3D
Dimension of workbench	mm	1000×1000/1000×1250/1250×1250/1250×1400			
Number of workbenches	pears	2	1	2	1
Max. load capacity of workbench	kg	4000	5000	4000	5000
Spindle diameter	mm	Φ125	Φ125	Φ125	Φ125
Spindle speed	r/min	10-4200	10-4200	12-3000	12-3000
Power of main motor	kW	19.5/23.4	19.5/23.4	19.5/23.4	19.5/23.4
Maximum torque of spindle	Nm	1070/1280	1070/1280	1070/1280	1070/1280

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# E-Force Series CNC Floor-type Milling/Boring Machine

### Technical parameters

Items	Unit	E-Force160RL	E-Force200RL	E-Force160RH	E-Force200RH
Spindle diameter	mm	Φ160	Φ200	Φ160	Φ200
Spindle speed	r/min	10-1500	10-1250	10-1500	10-1250
Power of main motor	kW	58/69	85/102	58/69	85/102
Maximum torque of spindle	Nm	6300/7600	8400/10000	6300/7600	8400/10000
Section size of ram	mm	480×540	480×540	480×540	480×540
Travel of ram Z	mm	1200	1200	1200	1200
Spindle travel W	mm	1200	1200	1200	1200

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# T-Force Series CNC Floor-type Milling/Boring Machine



Items	Unit	T-Force160R	T-Force200R	T-Force260R
Spindle diameter	mm	Φ160	Φ200	Φ260
Spindle speed	r/min	5-1500	5-1250	5-1000
Power of main motor	kW	58/69	110/162	129/198
Maximum torque of spindle	Nm	6300/7600	9600/14000	25000/38000
Section size of ram	mm	480×540	520×580	620×740
Travel of ram Z	mm	1200	1250	1800
Spindle travel W	mm	1200	1200	1600

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# Double-face CNC Horizontal Milling/Boring Machine Series

## Technical parameters

Items	Unit	P-Force130R×2	P-Force160R×2
Dimension of workbench	mm	1000×6000	1500×8000
Maximum load of workbench	t	10/m <sup>2</sup>	10/m <sup>2</sup>
Spindle diameter	mm	Φ130	Φ160
Spindle speed	r/min	10-1500	10-1000
Power of main motor	kW	41/49	41/49
Maximum torque of spindle	Nm	1700/2100	2900/3500
Travel of ram Z	mm	700	700
Spindle travel W	mm	700	700
Distance between two spindle noses	mm	1500	2000

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

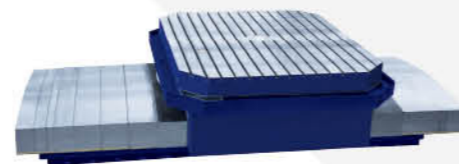


# HTK Series CNC Swing Workbench

## Technical parameters

Items	Unit	HTK 25L	HTK 40L	HTK 60	HTK 80	HTK 100	HTK 150
Area	mm	2000×2000 (Optional:2000×2500)	2500×3000 (Optional:3000×3000)	3000×3000	3500×4000 (Optional:4000×4000)	4500×4500	5000×5000 (Optional:5000×6000)
Maximum load capacity	t	25	40	60	80	100	150
V-axis travel	mm	2000	2000	2000/3000	3000	3000	4500
Guiderrail mode		V: linear guiderrail B: rolling guiderrail	V: linear guiderrail B: rolling/sliding composite guiderrail	Static pressure guiderrail	Static pressure guiderrail	Static pressure guiderrail	Static pressure guiderrail

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# GMC v Series Bridge-type High-speed 3-axis Machining Center

# GMC u Series Bridge-type 5-axis Machining Center

## Technical parameters

Items	Unit	GMC20(u)v series	GMC25(u)v series	GMC30(u)v series	GMC40(u)v series	GMC50(u)v series
Width of workbench	mm	2000	2500	3000	4000	5000
Length of workbench	mm	4000/6000	4000/6000/8000	2000N(N≥3)	2000N(N≥4)	2000N(N≥5)
Load capacity of workbench	kg/m <sup>2</sup>	5000	5000	5000	5000	5000
Width of gantry	mm	3000	3500	4000	5000	6000
Travel of gantry framework X-axis	mm	4000/6000	4000/6000/8000	2000N(N≥3)	2000N(N≥4)	2000N(N≥5)
Travel of sliding plate Y-axis	mm	2200	2700	3200	4200	5200
Travel of ram Z-axis	mm	1000	1000	1000	1000	1000

German double swing heads: spindle speed (rpm): 7000-30000; spindle torque (Nm): 38-318; power (kW): 43-60

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# GMC v/t Series Mobile Bench-type Gantry High-speed 3-axis Machining Center

# GMC u/t Series Mobile Bench-type Gantry 5-axis Machining Center

## Technical parameters

Items	Unit	GMC8v(u)t series	GMC16v(u)t series	GMC20v(u)t series	GMC25v(u)t series
Width of workbench	mm	800	1600	2000	2500
Length of workbench	mm	1000/2000	3000	4000/6000	4000/5000/6000
Load capacity of workbench	kg	2500/5000	10000	14000	18000
Width of gantry	mm	1200	2000	2400	2900
Workbench motion	mm	1200/2200	3200	4200/6200	4200/5200/6200
Left/right motion travel of sliding plate, Y-axis	mm	1000	2200	2600	3100
Maximum travel of ram, Z-axis	mm	650	1000	1000	1000

Rotation speed of spindle(rpm) : 7000-30000; German double swing heads: spindle speed (rpm): 7000-30000; spindle torque (Nm): 38-318; power (kW): 43-60

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# GMC mu Series Mobile Bench Type Gantry 5-Axis Machining Center

## Technical parameters

Items	Unit	GMC10mu	GMC20mu	GMC30mu	GMC60mu	GMC70mu
Width of workbench	mm	1000	2000	3000	6000	7000
Length of workbench	mm	2000N(N≥3)	2000N(N≥3)	2000N(N≥3)	2000N(N≥4)	2000N(N≥5)
Load capacity of workbench	kg/m <sup>2</sup>	5000	5000	5000	10000	10000
Travel of X-axis	mm	2000N(N≥3)	2000N(N≥3)	2000N(N≥3)	2000N(N≥4)	2000N(N≥5)
Travel of Y-axis	mm	1600	3200	4300	7300	8500
Travel of Z-axis	mm	1000/1400	1000/1400	1000/1400	1000/1400/1500	1000/1400/1500

Mechanical spindle AC double swing heads: spindle speed (rpm): 2000-4000; torque of spindle (Nm): 1000-1250; power (kW): 28-45  
Electric spindle AC double swing heads: spindle speed (rpm): 8000-15000; spindle torque (Nm): 38-318; power (kW): 43-63.

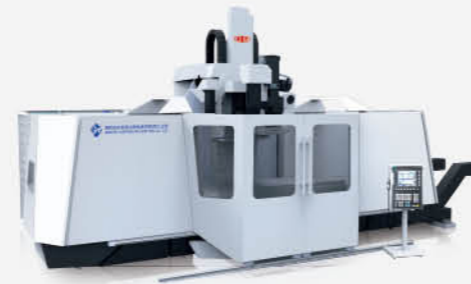
Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



# VMC U Series Vertical 5-axis Machining Center

## Technical parameters

Items	Unit	VMC 25100u	VMC 35120u	VMC 2040u/t	VMC 2040mu
Width of workbench	mm	800	1000	2000	2000
Length of workbench	mm	2000	3000	4000	4000
Load capacity of workbench	kg	5000	6000	14000	5t/m <sup>2</sup>
Maximum spindle speed	rpm	4000/6000	4000/6000	4000/6000	4000/6000
Torque	N.m	882	882	882	882
Power	kW	30	30	30	30
Travel of X-axis	mm	2500	3500	4200	4200
Travel of Y-axis	mm	1000	1200	2400	2400
Travel of Z-axis	mm	850	850	600	600
Swing angle of A-axis	°	±30	±30	±30	±30
Swing angle of B-axis	°	±30	±30	±30	±30



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# VMC U Series Vertical 5-axis Machining Center

## Technical parameters

Items	Unit	VMC 1680u series	VMC 2180u series
Dimension of workbench (length × width)	mm	1700 × 800	2200 × 800
Load capacity of workbench	kg	1200	2500
Travel of X/Y/Z axes	mm	1600/800/600	2100/800/600
Swing angle of B-axis	°	±100	±100
Rotation angle of C-axis (connection rotation without angle restriction)	°	n × 360	n × 360
Spindle speed	rpm	20000	20000
Power of spindle	kW	25/40	25/40
Torque of spindle	Nm	87/135	87/135

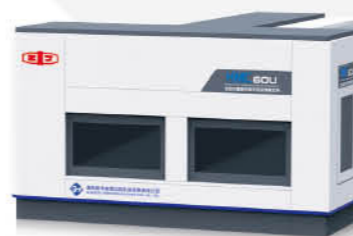


Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# HMC 60u Series Horizontal 5-axis Machining Center

## Technical parameters

Items	Unit	HMC 60u series
Dimension of workbench (length × width)	mm	1200 × 600
Maximum load capacity of workbench	kg	300
Travel of X-axis (workbench)	mm	2000
Travel of Y-axis (headstock)	mm	800
Travel of Z-axis (post)	mm	820
Maximum spindle speed	r/min	24000
Rated power S1/maximum power S6 of spindle	kW	25/30
Rated torque S1/maximum torque S6 of spindle	Nm	30/36



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# HMC 80u Series Horizontal 5-axis Machining Center

## Technical parameters

Items	Unit	HMC 80u series
Dimension of workbench	mm	Φ800
Max. workpiece diameter	mm	Φ1000
Travel of X/Y/Z axes	mm	850/850/700
Load capacity of workbench	t	1
Spindle speed	rpm	8000
Power of spindle	kW	50/65
Torque of spindle	Nm	405/526

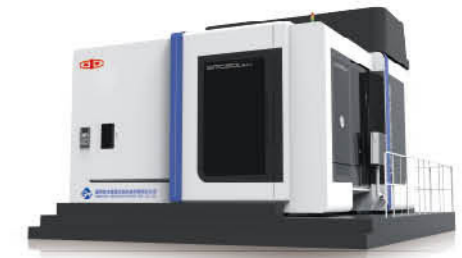


Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

# GMC u/t Series 5-coordinate Machining Center

## Technical parameters

Items	Unit	GMC 125u/t	GMC 150u/t	GMC 200u/t	GMC 250u/t
Dimension of workbench	mm	Φ1250	Φ1500	Φ2000	Φ2500
Load capacity of workbench	kg	3000	5000	8000	10000
X-axis	mm	1250	1600	2300	2600
Y-axis	mm	1300	1500	2600	2800
Z-axis	mm	1000	1250	1650	1800
Maximum rotation speed	r/min	10000	10000	10000	10000
Maximum torque (S1)	Nm	400	400	400	400
Motor power (S1)	kW	50	50	50	50



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

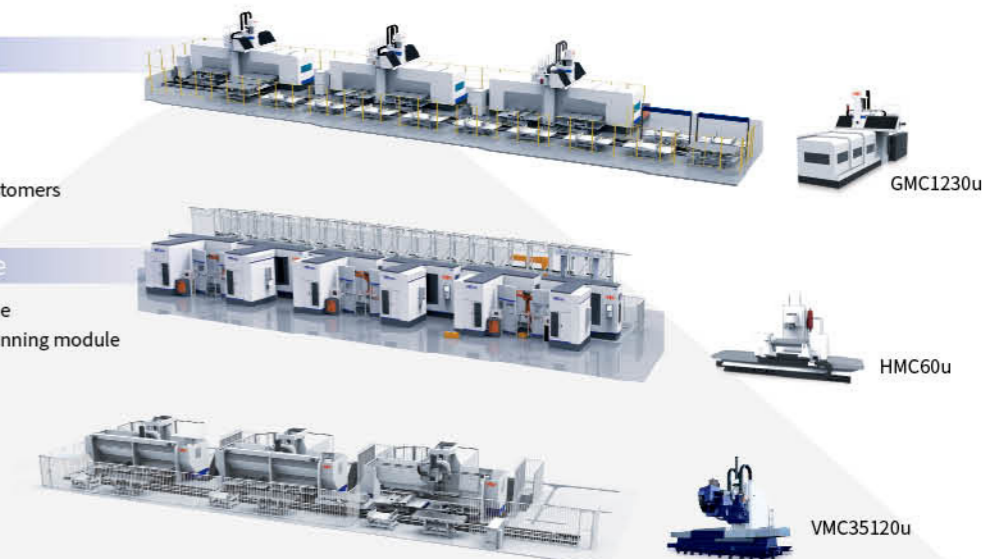
# FMS U Series Automated Machining Production Line

## Highlights of structure

- Shortened non-cutting time
- Reduced labor intensity
- Enhanced utilization rate of machine
- Enhanced market competition force of customers

## Functional modules of production line

- Production resources management module
- Production line automated production planning module
- Production dispatch and control module
- Production visualization module
- Data acquisition module



Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.