

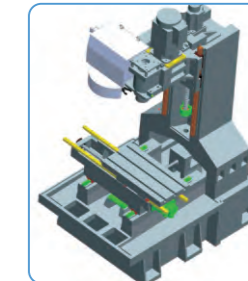


### MAIN CONFIGURATION & ACCESSORIES:

1. Resin sand casting;
2. X, Y, Z rails adopts imported linear guideway;
3. X, Y, Z rails adopt stainless steel telescopic cover;
4. Standard with belt driven spindle, optional for direct driven spindle;
5. Taiwan production pneumatic cylinder;
6. Taiwan ATC, carousel type and disc type are available as option;
7. Imported bearings for leadscrews;
8. Import coupling;
9. Headstock balancing system have heavy casting or nitrogen balance system as option;
10. Full enclosure;
11. Rigid tapping;
12. Spindle center air blast;
13. Work lamp;
14. Pilot lamp;
15. USB and LAN interface;
16. Manual pulse generator (MPG);
17. Centralized automatic lubrication system.
18. Cooling system.
19. Heat exchanger for electrical cabinet ;
20. Leveling blocks & bolts;
21. Toolbox and tools;
22. CNC controller: KND,GSK, HNC (China); SIEMENS, FANUC, MITSUBISHI, FAGOR, etc.

### OPTIONAL CONFIGURATION & ACCESSORIES:

1. The 4th axis wiring;
2. NC rotary table;
3. Direct driven spindle (Speed: 10000rpm, 12000rpm, 15000rpm);
4. Circular Coolant Nozzle;
5. Coolant through spindle (CTS);
6. Spindle oil cooler;
7. Air conditioner (A/C) for electrical cabinet;
8. Auto. Tool length measurement system;
9. Auto. Workpiece measurement systems;
10. Screw type chip conveyor;
11. Chain type chip conveyor;
12. High pressure water flush system;
13. Safety door;
14. Oil skimmer.



SPECIFICATION	UNIT	VMC400L	VMC550L	VMC650L	VMC745L	VMC850L
Worktable size (WxL)	mm	300x600	320x800	420x800	420x1000	500x1000
T-slot (No./width/pitch)	mm	3/14/100	3/14/110	5/18/80	5/18/80	5/18/102
Loading capacity	kg	150	350	400	400	400
Longitudinal travel (X)	mm	400	550	600	700	800
Cross travel (Y)	mm	230	340	450	450	500
Vertical travel (Z)	mm	450	500	500	500	500
Distance from spindle nose to table	mm	100-580	100-600	100-600	130-630	110-610
Distance from spindle center to column	mm	320	410	495	495	524
Spindle taper	-	BT30 (BT40)	BT40	BT40	BT40	BT40
Spindle speed	rpm	6000	8000	8000	8000	8000
X/Y/Z-axis rapid feed speed	m/min	12/12/10	24/24/24	30/30/30	30/30/30	48/48/36
X/Y/Z-axis feed motor torque	N.m	4/4/4	7.7/7.7/7.7	10/10/10	10/10/10	15/15/23
X/Y/Z-axis positioning accuracy	mm	0.02	0.008	0.008	0.008	0.008
X/Y/Z-axis repositioning accuracy	mm	0.01	0.005	0.005	0.005	0.005
Main motor power	kw	2.2 (3.75)	5.5/7.5	7.5/11	5.5/7.5	7.5/11
Air pressure source	kg/cm2	4-8	8	8	8	8
Power capacity	Kva	10	10	12	12	15
Tool magazine capacity	T	8/12 (Crousel)	12 (Crousel)	16 (Crousel)	16 (Crousel)	24 (Disc)
Guideway type	-	Linear	Linear	Linear	Linear	Linear
Machine weight	kg	2300	3000	3500	4000	5000
Machine dimensions (LxWxH)	mm	2000x1900x2000	2000x1900x2100	2350x2100x2300	2550x2100x2300	2800x2300x2400



VMC400L



Spindle & ATC



CNC system



Machining Area



### MAIN CONFIGURATION & ACCESSORIES:

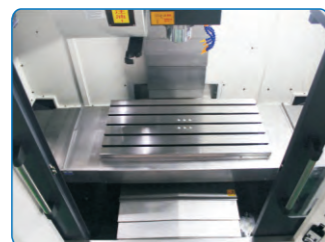
1. Resin sand casting;
2. X, Y, Z rails adopts imported linear guideway;
3. X, Y, Z rails adopt stainless steel telescopic cover;
4. Standard with belt driven spindle, optional for direct driven spindle;
5. Taiwan production pneumatic cylinder;
6. Taiwan ATC, carousel type and disc type are available as option;
7. Imported bearings for leadscrews;
8. Import coupling;
9. Headstock balancing system have heavy casting or nitrogen balance system as option;
10. Full enclosure;
11. Rigid tapping;
12. Spindle center air blast;
13. Work lamp;
14. Pilot lamp;
15. USB and LAN interface;
16. Manual pulse generator (MPG);
17. Centralized automatic lubrication system.
18. Cooling system.
19. Heat exchanger for electrical cabinet ;
20. Leveling blocks & bolts;
21. Toolbox and tools;
22. CNC controller: KND,GSK, HNC (China); SIEMENS, FANUC, MITSUBISHI, FAGOR, etc.

### OPTIONAL CONFIGURATION & ACCESSORIES:

1. The 4th axis wiring;
2. NC rotary table;
3. Direct driven spindle (Speed: 10000rpm, 12000rpm, 15000rpm);
4. Circular Coolant Nozzle;
5. Coolant through spindle (CTS);
6. Spindle oil cooler;
7. Air conditioner (A/C) for electrical cabinet;
8. Auto. Tool length measurement system;
9. Auto. Workpiece measurement systems;
10. Screw type chip conveyor;
11. Chain type chip conveyor;
12. High pressure water flush system;
13. Safety door;
14. Oil skimmer.



High Rigidity Spindle



Hardened & Polished Table



Famous CNC System



Finished Products

SPECIFICATION	UNIT	VMC855L	VMC960L	VMC1060L	VMC1160L
Table size	mm	550x1000	600x1000	600x1300	600x1200
T-slot (No./width/pitch)	mm	5/18/90	5/18/120	5/18/100	5/18/100
Loading capacity	kg	500	600	800	800
Longitudinal travel (X)	mm	800	900	1000	1100
Cross travel (Y)	mm	550	600	600	600
Vertical travel (Z)	mm	550	700	600	600
Distance from spindle nose to table	mm	120-670	110-810	70-670	120-720
Distance from spindle center to column	mm	595	633	655	672
Spindle taper	-	BT40	BT40	BT40	BT40
Spindle speed	rpm	8000	8000	8000	8000
X/Y/Z-axis rapid feed speed	m/min	48/48/48	36/36/36	24/24/18	36/36/36
X/Y/Z-axis feed motor torque	N.m	15/15/23	15/15/23	15/15/15	23/23/23
X/Y/Z-axis positioning accuracy	mm	0.008	0.008	0.008	0.008
X/Y/Z-axis repetability accuracy	mm	0.005	0.005	0.005	0.005
Main motor power	kw	7.5/11	7.5/11	11/15	11/15
Air pressure source	kg/cm <sup>2</sup>	8	8	8	8
Total power	Kva	15	15	20	20
Tool magazine capacity	T	24 (Disc)	24 (Disc)	24 (Disc)	24 (Disc)
Guideway type	-	Linear	Linear	Linear	Linear
Machine weight	kg	5500	6000	6800	7000
Machine dimensions (LxWxH)	mm	2800x2300x2400	2800x2350x2960	3200x2380x2960	3380x2550x2960

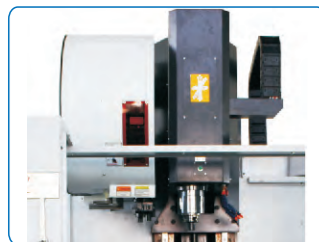
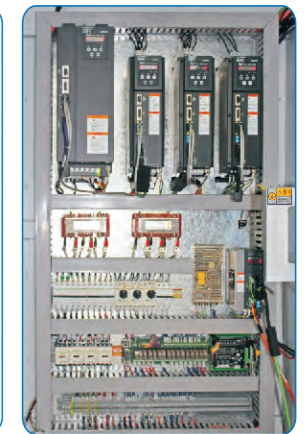


### MAIN CONFIGURATION & ACCESSORIES:

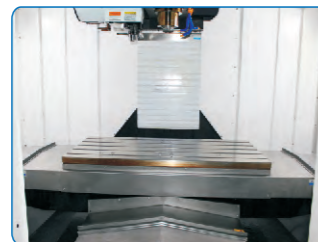
1. Resin sand casting;
2. X, Y, Z rails adopts imported linear guideway;
3. X, Y, Z rails adopt stainless steel telescopic cover;
4. Standard with belt driven spindle, optional for direct driven spindle;
5. Taiwan production pneumatic cylinder;
6. Taiwan ATC, carousel type and disc type are available as option;
7. Imported bearings for leadscrews;
8. Import coupling;
9. Headstock balancing system have heavy casting or nitrogen balance system as option;
10. Full enclosure;
11. Rigid tapping;
12. Spindle center air blast;
13. Work lamp;
14. Pilot lamp;
15. USB and LAN interface;
16. Manual pulse generator (MPG);
17. Centralized automatic lubrication system.
18. Cooling system.
19. Heat exchanger for electrical cabinet ;
20. Leveling blocks & bolts;
21. Toolbox and tools;
22. CNC controller: KND,GSK, HNC (China); SIEMENS, FANUC, MITSUBISHI, FAGOR, etc.

### OPTIONAL CONFIGURATION & ACCESSORIES:

1. The 4th axis wiring;
2. NC rotary table;
3. Direct driven spindle (Speed: 10000rpm, 12000rpm, 15000rpm);
4. Circular Coolant Nozzle;
5. Coolant through spindle (CTS);
6. Spindle oil cooler;
7. Air conditioner (A/C) for electrical cabinet;
8. Auto. Tool length measurement system;
9. Auto. Workpiece measurement systems;
10. Screw type chip conveyor;
11. Chain type chip conveyor;
12. High pressure water flush system;
13. Safety door;
14. Oil skimmer.



BT50 Spindle



Cross-type Table



4-track Linear For Y-axis



BT50 ATC With 24 Tools

SPECIFICATION	UNIT	VMC1270L	VMC1370L	VMC1580L	VMC1690L	VMC1890L
Table size	mm	700x1360	700x1360	800x1700	900x1800	900x2000
T-slot (No./width/pitch)	mm	5/18/122	5/18/122	5/22/135	5/22/165	5/22/165
Loading capacity	kg	1000	1200	1500	1600	1600
Longitudinal travel (X)	mm	1200	1300	1500	1600	1800
Cross travel (Y)	mm	700	700	800	900	900
Vertical travel (Z)	mm	600	600	700	600	720
Distance from spindle nose to table	mm	87-687	150-750	130-830	105-705	115-835
Distance from spindle center to column	mm	785	785	810	950	950
Spindle taper	-	BT40	BT50	BT50	BT50	BT50
Spindle speed	rpm	8000	8000	8000	6000	6000
X/Y/Z-axis rapid feed speed	m/min	24/24/18	24/24/18	24/24/18	20/20/15	20/20/15
X/Y/Z-axis feed motor torque	N.m	23/23/23	23/23/23	27/27/27	35/35/35	40/40/40
X/Y/Z-axis positioning accuracy	mm	0.008	0.008	0.008	0.008	0.008
X/Y/Z-axis repetability accuracy	mm	0.005	0.005	0.005	0.005	0.005
Main motor power	kw	11/15	15/18.5	15/18.5	15/18.5	15/18.5
Air pressure source	kg/cm2	8	8	8	8	8
Total power	Kva	25	30	30	35	40
Tool magazine capacity	T	24 (Disc)	24 (Disc)	24 (Disc)	24 (Disc)	24 (Disc)
Guideway type	-		X: Linear; Y: Linear, four rails; Z: Sliding/linear			
Machine weight	kg	9600	11000	14000	15000	15500
Machine dimensions (LxWxH)	mm	3500x2500x3055	3820x2560x3100	4200x3520x3055	4280x3700x3220	4590x3960x3440



### MAIN CONFIGURATION & ACCESSORIES:

1. Resin sand casting;
2. X, Y, Z rails adopts imported linear guideway, Y-axis adopts quenching - plastic sliding guide rail pair for HMC630, HMC630A and HMC800A;
3. X, Y, Z rails adopt stainless steel telescopic cover;
4. Standard with belt driven spindle;
5. Taiwan production pneumatic cylinder;
6. Taiwan ATC, disc type and chain type are available as option;
7. Imported bearings for leadscrews;
8. Imported coupling;
9. Headstock balancing system have nitrogen balance system or hydraulic balance system as option;
10. NC rotary worktable (B axis);
11. Work lamp;
12. Pilot lamp;
13. USB and LAN interface;
14. Manual pulse generator (MPG);
15. Centralized automatic lubrication system.
16. Cooling system.
17. Heat exchanger for electrical cabinet ;
18. Leveling blocks & bolts;
19. Toolbox and tools;
20. CNC controller: KND, GSK, HNC (China); SIEMENS, FANUC, MITSUBISHI, FAGOR, etc.

### OPTIONAL CONFIGURATION & ACCESSORIES:

1. ZF or BF reducer;
2. Circular Coolant Nozzle;
3. Coolant through spindle (CTS);
4. Spindle oil cooler;
5. Air conditioner (A/C) for electrical cabinet;
6. Auto. Tool length measurement system;
7. Auto. Workpiece measurement systems;
8. Optional with spiral type chip conveyor and chain type chip conveyor.



BT50 Power Spindle



40 Tools Chain Type ATC

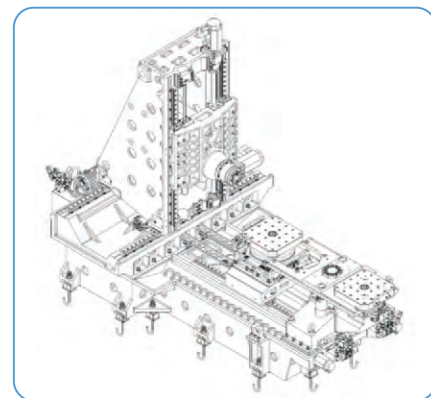


FANUC Oi-MF

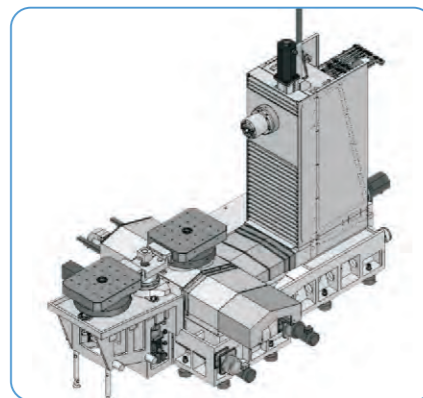


CE Norms Electric Cabinet

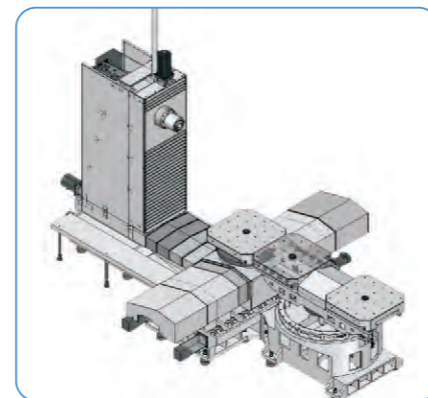
SPECIFICATION	UNIT	HMC500	HMC500A	HMC630	HMC630A	HMC800	HMC800A
Worktable size	mm	500x500	500x500	630x630	630x630	800x800	800x800
Worktable number	pcs	1	1	1	1	1	1
Worktable indexing	°	1°	0.001°	1°	0.001°	1°	0.001°
T-slot of worktable (No.-sizexdistance)	-	5/14/80	5/14/80	6/18/100	5/18/122	6/22/125	5/22/165
Worktable rotation speed	rpm	11.1	16.6	11.1	11.1	11.1	11.1
Worktable loading capacity	kg	500	500	800	800	2000	2000
Locking force (35kg/cm <sup>2</sup> )	kg/m	5000	2500	5000	4000	5000	5000
X axis travel	mm	600	600	1050	1200	1600	1800
Y axis travel	mm	620	620	800	800	1000	1400
Z axis travel	mm	550	550	700	700	1000	900
Distance from spindle center to worktable	mm	150-750	150-750	150-750	-60-740	0-1000	-305-1105
Distance from spindle nose to worktable center	mm	150-700	150-700	150-700	215-880	180-1180	250-1100
Spindle taper	-	BT40	BT40	BT50	BT50	BT50	BT50
Max. spindle speed	rpm	8000	8000	6000	6000	6000	6000
ATC style/station	-	24 (Disc)	24 (Disc)	24 (Disc)	24 (Disc)	40 (chain)	40 (Chain)
Max. tool diameter	mm	Φ78/Φ125	Φ78/Φ125	Φ78/Φ125	Φ78/Φ125	Φ125	Φ125
Max. tool length	mm	300	300	300	300	400	400
Max. tool weight	kg	8	8	8	8	20	20
Tool change time	sec	7	7	7	7	7	7
X/Y/Z-axis feed speed	mm/min	1-8000	1-8000	1-8000	1-8000	1-8000	1-8000
X/Y/Z-axis rapid feed speed	m/min	30/30/30	30/30/30	30/15/30	20/12/20	24/24/24	18/12/18
X/Y/Z-axis guideway type	-	Linear	Linear	X/Z: Linear/Y: sliding	X/Z: Linear/Y: sliding	Linear	X/Z: Linear/Y: sliding
X/Y/Z-axis positioning accuracy	mm	0.01	0.01	0.01	0.01	0.02	0.015
X/Y/Z-axis repositioning accuracy	mm	0.008	0.008	0.006	0.006	0.015	0.008
B-axis positioning accuracy	"	10"	10"	10"	10"	10"	10"
Main motor power	kw	7.5/11	11	15/18.5	15/18.5	15/18.5	15/18.5
X/Y/Z-axis feed motor torque	NM	11/28/18	11/28/18	15/28/22	16/18/20	40/40/40	26/30/30
B-axis feed motor torque	NM	8	15	11	15	Bis22	20
Power capacity	kva	50	50	50	50	50	50
Air pressure	kg/cm <sup>2</sup>	8	8	8	8	8	8
Machine weight	kg	7500	7000	8800	8000	15000	12000
Machine dimensions (LxWxH)	mm	3500x2900x3280	3500x2900x3280	4285x3120x3280	4285x3120x3280	5800x4800x3800	5800x4800x3800



HMC500 APC



HMC630 APC



HMC800 APC

### MAIN CONFIGURATION & ACCESSORIES:

1. Resin sand casting;
2. Adopt Taiwan precision linear guideway;
3. X, Y, Z rails adopt telescopic cover for guideways;
4. Standard with belt driven spindle;
5. Taiwan production pneumatic cylinder;
6. Taiwan ATC, disc type and chain type are available as option;
7. Imported bearings for leadscrews;
8. Import coupling;
9. Headstock balancing system have nitrogen balance system or hydraulic balance system as option;
10. Exchangeable worktable;
11. Work lamp;
12. Pilot lamp;
13. USB and LAN interface;
14. Manual pulse generator (MPG);
15. Centralized automatic lubrication system.
16. Cooling system.
17. Heat exchanger for electrical cabinet ;
18. Leveling blocks & bolts;
19. Toolbox and tools;
20. CNC controller: KND, GSK, HNC (China); SIEMENS, FANUC, MITSUBISHI, FAGOR, etc.

### OPTIONAL CONFIGURATION & ACCESSORIES:

1. ZF or BF reducer;
2. Circular Coolant Nozzle;
3. Coolant through spindle (CTS);
4. Spindle oil cooler;
5. Air conditioner (A/C) for electrical cabinet;
6. Auto. Tool length measurement system;
7. Auto. Workpiece measurement systems;
8. Continuous indexing station worktable;
9. X, Y, Z, B axis optional with high precision grating ruler;
10. NC rotary worktable (B axis), continuous indexing angle 1° or 0.001° for option;
11. Optional with spiral type chip conveyor and chain type chip conveyor.

SPECIFICATION	UNIT	HMC500 APC	HMC630 APC	HMC800 APC
Worktable size	mm	500x500	630x630	800x800
Worktable number	pcs	2	2	2
Worktable indexing	°	0.001°	0.001°	1°
T-slot of worktable (No.-sizexdistance)	-	24xM16	24xM16	24xM16
Max. swing of workpiece	mm	700	820	1600
Worktable rotation speed (B)	rpm	16.6	10	10
Worktable gear ratio	-	180	160	160
Pallet exchange gear ratio	-	200	240	200
Pallet exchange style	-	Rotating type	Rotating type	Rotating push-pull
Pallet exchange time	s	24	24	50
Worktable loading capacity	kg	500x2 (single: 400)	950	1500
X axis travel	mm	800	1050	1400
Y axis travel	mm	800	750	1000
Z axis travel	mm	800	900	1000
Distance from spindle center to worktable	mm	50-850	0-750	0-1000
Distance from spindle nose to worktable center	mm	125-925	130-1030	200-1200
Spindle taper	-	BT50	BT50	BT50
Max. spindle speed	rpm	6000	6000	6000
ATC style/station	-	24 (Disc)	60 (Chain)	60 (Chain)
X/Y/Z-axis rapid feed speed	m/min	24/24/24	45/45/45	45/45/45
X/Y/Z-axis guideway type	-	Linear	Linear	Linear
X/Y/Z-axis positioning accuracy	mm	0.01	0.01	0.012
X/Y/Z-axis repositioning accuracy	mm	0.008	0.006	0.008
B-axis positioning accuracy	"	10"	10"	15"
B-axis repositioning accuracy	"	5"	5"	8"
Main motor power	kw	15/18.5	15/22	25/30
X/Y/Z-axis feed motor torque	NM	30/30/30	30/30/30	30/30/30
B-axis feed motor torque	NM	12	12	22
APC servo motor torque	NM	8	8	22
Machine weight	kg	7500	11000	18000

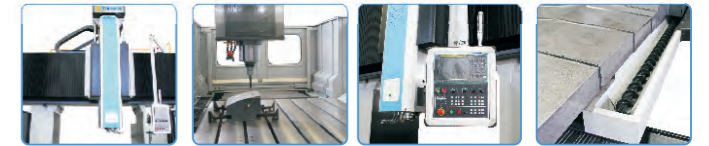


### MAIN CONFIGURATION & ACCESSORIES:

1. Resin sand casting;
2. X, Y rails adopts imported linear guideway, Z rail is quenching - plastic sliding guide rail pair;
3. Imported rolling screw, rack, gear box;
4. X rail adopt stainless steel telescopic cover, Y rail adopts plastic accordion cover;
5. Standard with belt driven head, optional for auto. 5 faces head, gear head, ZF reducer head, direct driven head, CTS head;
6. Taiwan production pneumatic cylinder;
7. Taiwan ATC, carousel type, disc type, chain type are available as option;
8. Imported bearings for leadscrews;
9. Famous brand coupling;
10. Headstock balancing system is Nitrogen balance system as option;
11. Work lamp;
12. Pilot lamp;
13. USB and LAN interface;
14. Manual pulse generator (MPG);
15. Centralized automatic lubrication system.
16. Cooling system.
17. Heat exchanger for electrical cabinet ;
18. Leveling blocks & bolts;
19. Toolbox and tools;
20. Double spiral chip conveyor;
21. CNC controller: KND, GSK, HNC (China); SIEMENS, FANUC, MITSUBISHI, FAGOR, etc.

### OPTIONAL CONFIGURATION & ACCESSORIES:

1. Special milling head: Lengthen milling head, right angle milling head, universal milling head;
2. Circular Coolant Nozzle;
3. Coolant through spindle (CTS);
4. Spindle oil cooler;
5. Air conditioner (A/C) for electrical cabinet;
6. Auto. Tool length measurement system;
7. Auto. Workpiece measurement systems;
8. Chain type chip conveyor.



SPECIFICATION	UNIT	GMC1000	GMC1400	GMC1600
Table width	mm	900	1000	1200
Table length	mm	1300/1600/1800/2000/2200	2000/2500/3000/3500	2000/3000/4000
T-slot (No./width/pitch)	mm	5/22/165	7/22/150	7/22/170
Loading capacity	kg	1500/1700/2000/2500/3000	3000/3500/4000/4500	3000/4000/5000
Longitudinal travel (X)	mm	1300/1600/1800/2000/2200	2000/2500/3000/3500	2000/3000/4000
Cross travel (Y)	mm	1000	1400	1650
Vertical travel (Z)	mm	600	800	800
Gantry width	mm	1400	1400	1650
Max. height of workpiece	mm	680	935	1060
Distance from spindle nose to table	mm	180-780	60-860	60-860
Spindle taper & diameter	-	BT40/Φ150	BT50/Φ190	BT50/Φ190
Spindle speed	rpm	8000	6000	6000
X/Y/Z-axis feed speed	m/min	10/10/10	10/10/10	10/10/10
X/Y/Z-axis rapid feed speed	m/min	20/20/20	15/15/15	15/15/15
X/Y/Z-axis feed motor torque	N.m	18/20/18	38/30/30	38/30/30
X/Y/Z-axis positioning accuracy	mm	0.005	0.005	0.005
X/Y/Z-axis repeatability accuracy	mm	0.003	0.003	0.003
Main motor power	kw	7.5	22	22
Tool magazine capacity	T	24 (Disc)	24 (Disc)	24 (Disc)
X/Y-axis guideway type	-	Linear	Linear	Linear
Z-axis guideway type	-	Linear	Sliding	Sliding
Machine weight	tons	12/14/16/18/20	18/21/24/27	20/25/29
Machine length	mm	4300/4900/5300/5700/6100	5400/6400/7400/8400	5400/7400/9400
Machine width & height	mm	2700x3300	2700x3500	3300x3500

SPECIFICATION	UNIT	GMC1800	GMC2200	GMC2700
Table width	mm	1600	2000	2300
Table length	mm	2000/2500/3000/35000	3000/4000/5000	3000/4000/5000/6000
T-slot (No./width/pitch)	mm	9/22/180	9/22/200	11/28/200
Loading capacity	kg	6000/7000/8000/9000	10000/12000/14000	10000/12000/15000/18000
Longitudinal travel (X)	mm	2000/2500/3000/35000	3000/4000/5000	3000/4000/5000/6000
Cross travel (Y)	mm	1800 (2000)	2200 (2700)	2700 (3050)
Vertical travel (Z)	mm	1000	1000	1000
Gantry width	mm	1800	2300	2700
Max. height of workpiece	mm	1300	1400	1400
Distance from spindle nose to table	mm	150-1150	280-1280	280-1280
Spindle taper & diameter	-	BT50/Φ190	BT50/Φ200	BT50/Φ200
Spindle speed	rpm	6000	6000	6000
X/Y/Z-axis feed speed	m/min	10/10/10	8/8/8	6/6/6
X/Y/Z-axis rapid feed speed	m/min	15/15/15	12/12/12	10/10/10
X/Y/Z-axis feed motor torque	N.m	38/30/30	50/40/30	50/40/30
X/Y/Z-axis positioning accuracy	mm	0.025/0.02/0.018	0.025/0.02/0.018	0.025/0.02/0.018
X/Y/Z-axis repeatability accuracy	mm	0.02/0.015/0.012	0.02/0.015/0.012	0.02/0.015/0.012
Main motor power	kw	22	22	22
Tool magazine capacity	T	24 (Disc)	24 (Disc)	24 (Disc)
X/Y-axis guideway type	-	Linear	Linear	Linear
Z-axis guideway type	-	Sliding	Sliding	Sliding
Machine weight	tons	21.5/24/26.5/29	33/38/42	42/46/51/62
Machine length	mm	5700/6700/7700/8700	7750/9750/11750	7750/9750/11750/13750
Machine width & height	mm	4030x3900	4740x4100	5140x4100

# Turret Milling Machine



Swivelable mill head from -90° to +90° allows for various operations.



Mill head can be turned, tilted and swivelled making it extremely versatile.



Table power feed and rapid feed on X, Y and Z-axis.



Electrical central lubrication as optional.



Lifting motor for Z-axis rapid moving up-to-down as optional.



Swivelable mill head from -90° to +90° allows for various operations. pneumatic tool clamping as optional.



Spindle feed by hand or automatic (0.04/0.08/0.15mm/r)



Optional with automatic feed on X and Y-axis.



Mill head can be turned, tilted and swivelled making it extremely versatile.



Mill head can be turned, tilted and swivelled making it extremely versatile.



Rectangular guideway in Y and Z-axis.



Lifting motor for Z-axis rapid moving up-to-down comes standard.

SPECIFICATION	UNIT	M250A	M250B	M250	M320
Table size	mm	254x1270/254x1370	254x1270/254x1370	254x1270/254x1370	320x1370/320x1500
Longitudinal travel (X)	mm	800/900	820/920	820/920	920/1000
Cross travel (Y)	mm	380	380	410	400
Vertical travel (Z)	mm	350	350	400	400
T-slot (No./width)	mm	3/16	3/16	3/16	3/16
Ram travel	mm	470	470	470	470
Distance from spindle to table	mm	0-400	0-400	0-400	0-400
Spindle taper	-	R8 (Optional : ISO30/ISO40)	R8 (Optional : ISO30/ISO40)	R8 (Optional : ISO30/ISO40)	R8 (Optional : ISO30/ISO40)
Spindle quill travel	mm	127	127	127	127
Spindle speed	rpm	16steps, 50HZ: 65-4500/60HZ: 80-5440 (Optional: Variable 60-4200)			
Spindle quill automatic feed	mm/r	0.038/0.076/0.152	0.038/0.076/0.152	0.038/0.076/0.152	0.038/0.076/0.152
Main motor power	kw	2.2	2.2	2.2	2.2
Mill head swivel angle	°	±90°	±90°	±90°	±90°
Mill head tilting angle	°	±45°	±45°	±45°	±45°
X/Y/Z-axis guide type	-	▲▲▲	▲■▲	▲■■	▲▲▲
Dimension of package	One	mm	1516x1550x2080	1516x1550x2080	1516x1550x2080
	Two	mm	1650x1790x2170	1650x1790x2170	1650x1800x2170
	Three	mm	1650x2285x2235	1650x2285x2235	-
Gross weight (One)	kg	1280	1300	1320	1400

Notes: "▲" means double dovetail guideway; "■" means rectangular guideway.

SPECIFICATION	UNIT	M250C (M250D)	M300 (M300A)	M330 (M330A)
Table size	mm	254x1270/254x1370	305x1370/305x1500	330x137/330x1500
Longitudinal travel (X)	mm	820/920	870/1000	820/1000
Cross travel (Y)	mm	410	360	380
Vertical travel (Z)	mm	400	380	460
T-slot (No./width)	mm	3/16	3/16	3/16
Ram travel	mm	470	500	500
Distance from spindle to table	mm	0-400	0-350	0-450
Spindle taper	-	ISO40	ISO40	ISO40
Spindle quill travel	mm	127	127	127
Spindle speed	rpm	16steps, 50HZ: 65-4500/60HZ: 80-5440 (Optional: Variable 65-3750)		
Spindle quill automatic feed	mm/r	0.038/0.076/0.152	0.038/0.076/0.152	0.038/0.076/0.152
Main motor power	kw	3.7	3.7	3.7
Mill head swivel angle	°	±90°	±90°	±90°
Mill head tilting angle	°	±45° (Fix)	±45° (Fix)	±45° (Fix)
X/Y/Z-axis guide type	-	▲■■	▲■■	▲■■
Dimension of package	One	mm	1516x1550x2080	1566x1650x2080
	Two	mm	1650x1790x2170	1720x1800x2175
Gross weight (One)	kg	1490	1650	2200

Notes: "▲" means double dovetail guideway; "■" means rectangular guideway.