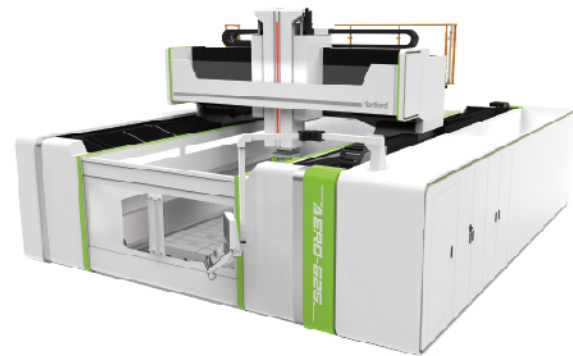


Gantry Type 5-axis / 5-face Machining Center



AERO High Rigidity 5-axis Grantry Type Mchning Center

- Automatic pallet change (APC):10 SEC.(Driven by servo system) for MVH-6/HMC-8.

5-Face Machining Cente

Machine	AERO-326/426/526/626/726/826/1026 SR
X / Y / Z travel (mm)	3000/4000/5000/6000/7000/8000/10000 X 2600 X 1000(1200)
Table size (mm)	3000/4000/5000/6000/7000/8000/10000X2600
Spindle speed (Gear) (rpm)	6000/8000
Spindle speed (Hybrid) (rpm)	10000
Tool shank	BT50(BBT/CAT/DIN)
Tool storage (pcs)	30
Spindle motor (KW)	18.5/22 : 30/35 (Hybird for Fanuc)

() : Option

AERO-1226/1326/1426/1626/2026 SR	AERO-431/531/631/731/831/1031 SR	AERO-1231/1331/1431/1631/2031 SR	AERO-426/536/636/736/836/1036 SR
12000/13000/14000/16000/20000 X 2600 X 1000(1200)	4000/5000/6000/7000/8000/10000 X 3100 X 1000(1200)	12000/13000/14000/16000/20000 X 3100 X 1000(1200)	4000/5000/6000/7000/8000/10000 X 3600 X 1000(1200)
12000/13000/14000/16000/20000X3600 6000/8000	4000/5000/6000/7000/8000/10000 X3100 6000/8000	12000/13000/14000/16000/20000X3100 6000/8000	4000/5000/6000/7000/8000/10000X3600 6000/8000
10000	10000	10000	10000
BT50(BBT/CAT/DIN)	BT50(BBT/CAT/DIN)	BT50(BBT/CAT/DIN)	BT50(BBT/CAT/DIN)
30	30	30	30
18.5/22 : 30/35 (Hybird for Fanuc)	18.5/22 : 30/35 (Hybird for Fanuc)	18.5/22 : 30/35 (Hybird for Fanuc)	18.5/22 : 30/35 (Hybird for Fanuc)

() : Option

AERO-1236/1336/1436/1636/2036 SR	AERO-541/641/741/841/1041 SR	AERO-1241/1341/1441/1641/2041 SR	AERO-546/646/746/846/1046 SR
12000/13000/14000/16000/20000 X 3600 X 1000(1200)	5000/6000/7000/8000/10000 X 4100 X 1000(1200)	12000/13000/14000/16000/20000 X 4100 X 1000(1200)	5000/6000/7000/8000/10000 X 4600 X 1000(1200)
12000/13000/14000/16000/20000X3600 6000/8000	5000/6000/7000/8000/10000X4100 6000/8000	12000/13000/14000/16000/20000X4100 6000/8000	5000/6000/7000/8000/10000X4600 6000/8000
10000	10000	10000	10000
BT50(BBT/CAT/DIN)	BT50(BBT/CAT/DIN)	BT50(BBT/CAT/DIN)	BT50(BBT/CAT/DIN)
30	30	30	30
18.5/22 : 30/35 (Hybird for Fanuc)	18.5/22 : 30/35 (Hybird for Fanuc)	18.5/22 : 30/35 (Hybird for Fanuc)	18.5/22 : 30/35 (Hybird for Fanuc)

() : Option

AERO-1246/1346/1446/1646/2046 SR	AERO-651/751/851/1051 SR	AERO-1251/1351/1451/1651/2051 SR
12000/13000/14000/16000/20000 X 4600 X 1000(1200)	6000/7000/8000/10000 X 5100 X 1000(1200)	12000/13000/14000/16000/20000 X 5100 X 1000(1200)
12000/13000/14000/16000/20000X4600 6000/8000	6000/7000/8000/10000X5100 6000/8000	12000/13000/14000/16000/20000X5100 6000/8000
10000	10000	10000
BT50(BBT/CAT/DIN)	BT50(BBT/CAT/DIN)	BT50(BBT/CAT/DIN)
30	30	30
18.5/22 : 30/35 (Hybird for Fanuc)	18.5/22 : 30/35 (Hybird for Fanuc)	18.5/22 : 30/35 (Hybird for Fanuc)

5-Axis Machning Cente

Machine	AERO-X26 (HSK-A63 : 24000rpm)	AERO-X26 (HSK-A100 : 12000rpm)
X / Y / Z travel (mm)	6(3/4/5/8/per 2M) max.20 X 2600 X 1100(1300)	6(3/4/5/8/per 2M) max.20 X 2600 X 1100(1300)
Table size (mm)	2.1(2.6)x6(3/4/5/8/per.2M) max.20	2.1(2.6)x6(3/4/5/8/per.2M) max.20
Spindle speed (rpm)	6000/8000	6000/8000
Tool shank	HSK-A63 : 24000	HSK-A63 : 24000
Tool storage (pcs)	40(60)	40(60)
Spindle motor (S1/S6)(KW)	34/43	34/43

() : Option

AERO-X31 (HSK-A63 : 24000rpm)	AERO-X31 (HSK-A100 : 12000rpm)	AERO-X41 (HSK-A63 : 24000rpm)
6(3/4/5/8/per 2M) max.20 X 3100 X 1100(1300)	6(3/4/5/8/per 2M) max.20 X 3100 X 1100(1300)	6(3/4/5/8/per 2M) max.20 X 4100 X 1100(1300)
2.1(2.6)x6(3/4/5/8/per.2M) max.20	2.1(2.6)x6(3/4/5/8/per.2M) max.20	3.1(3.6)x6(3/4/5/8/per.2M) max.20
6000/8000	6000/8000	6000/8000
HSK-A63 : 24000	HSK-A63 : 24000	HSK-A63 : 24000
40(60)	40(60)	40(60)
34/43	34/43	34/43

() : Option

AERO-X41 (HSK-A100 : 12000rpm)
6(3/4/5/8/per 2M) max.20 X 41 00 X 1100(1300)
3.1(3.6)x6(3/4/5/8/per.2M) max.20
6000/8000
HSK-A63 : 24000
40(60)
34/43



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HARTFORD

Hartford has sold more than 50,000 machines to all over the world , accumulated more than 37,000 customers, who absolutely affirm Hartford's manufacturing experience and ingenious machine manufacture technology. We insist on providing customers with the best quality machining centers. We will devote more carefully, in order to continuously enhance the technical level of manufacture and applications.

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Manufacture Intelligent Machines Only

Super Fine Technology

5-Axis Machining Center



5A-Series Vertical Machining Center

- 36,000 mm/mm rapid traverse rates
- Swivel rotary table [8,C-axis]

Machine	5A-650	5A-65E
X / Y / Z travel (mm)	660 X 550 X 460	660 X 520 X 460
Table size (mm)	Ø650	Ø650
Spindle speed (DDS) (rpm)	#40:10000(12000/15000)	#40:10000(12000/15000)
Spindle speed (Built in) (rpm)	(24000)	(24000)
Tool shank	ISO40.HSK-A63	ISO40.HSK-A63
Tool storage (pcs)	24(30,40,60)	24(30,40,60)
Spindle motor (KW)	Heidenhain:12.5	Heidenhain:12.5

() : Option

5A-600T	5A-800T	5A-650F (Rotary Pos.1 / Fanuc:4+1 [31.8MB])	5A-65EF (Rotary Pos.1 / Fanuc:4+1 [31.8MB])	5A-600TF (Rotary Pos.1 / Fanuc:4+1 [31.8MB])	5A-800TF (Rotary Pos.1 / Fanuc:4+1 [31.8MB])
660 X 1000 X 600 Ø650 X W500 #40:10000(15000) (24000)	800 X 1200 X 600 Ø800 #40:10000(15000/20000) (24000)	660 X 550 X 460 Ø650 #40:10000(12000/15000/20000) (24000)	660 X 550 X 460 Ø650 #40:10000(12000/15000/20000) (24000)	650 X 1000 X 600 Ø650 X W500 #40:10000(15000/20000) (24000)	800 X 1200 X 600 Ø800 #40:10000(15000/20000) (24000)
ISO40.HSK-A63 24(30,40,60) Heidenhain:12.5	ISO40.HSK-A63 : ISO50 BBT50 16(24,32,40) Heidenhain:12.5	ISO40.HSK-A63 24(30,40,60) Fanuc:11 Heidenhain:12.5	ISO40.HSK-A63 24(30,40,60) Fanuc:11 Heidenhain:12.5	ISO40.HSK-A63 16(24,32,40) Fanuc:11 Heidenhain:12.5	ISO40.HSK-A63 : ISO50 BBT50 16(24,32,40) Fanuc:11 Heidenhain:12.5



5BC 5-Axis Double Column Machining Center

- Ultimated machining for aerospace
- High efficiency solution for aerospace component
- Four linear guide way on Z axis achieve high rigidity / high accuracy

Machine	5BC-329/429
X / Y / Z travel (mm)	3000/4000 X 2900 X 1000(1200)
Table size (mm)	3000/4000 X 1800
Spindle speed (Built in) (rpm)	HSK-A63 : 15000 , HSK-A100 : 12000
Tool shank	HSK-A63 / HSK-A100
Tool storage (pcs)	A : 32(40,60)
Spindle motor (S1/S6)(KW)	HSK-A63 : 29.5 / 37 , HSK-A100 : 34 / 43

() : Option

5BC-334/434/534/634	5BC-438/538/638/738/838	5BC-442/542/642/742/842
3000/4000/5000/6000 X 3400 X 1000(1200)	4000/5000/6000/7000/8000 X 3800 X 1000(1200)	4000/5000/6000/7000/8000 X 4200 X 1000(1200)
3000/4000/5000/6000 X 2200	4000/5000/6000/7000/8000 X 2500	4000/5000/6000/7000/8000 X 2500
HSK-A63 : 15000 , HSK-A100 : 12000	HSK-A63 : 15000 , HSK-A100 : 12000	HSK-A63 : 15000 , HSK-A100 : 12000
HSK-A63 / HSK-A100	HSK-A63 / HSK-A100	HSK-A63 / HSK-A100
A : 32(40,60)	A : 32(40,60)	A : 32(40,60)
HSK-A63 : 29.5/37 , HSK-A100 : 34/43	HSK-A63 : 29.5/37 , HSK-A100 : 34/43	HSK-A63 : 29.5/37 , HSK-A100 : 34/43

High Speed Machning Center



TGV Series

- Thermal growth control on 3 axes(opt.)
- High precision performance

Machine	TGV-65	TGV-128	TGV-1612
X / Y / Z travel (mm)	660 X 550 X 460	1200 X 800 X 700	1600 X 1200 X 700
Table size (mm)	750 X 620	1300 X 850	1800 X 1300
Spindle speed (DDS) (rpm)	10000(12000/15000/20000)	15000	#40:10000(15000/20000) #50:10000(20000)
Spindle speed (Built in) (rpm)	24000	24000	#40:24000 , #50:12000
Tool shank	BT40(BBT/CAT/DIN) Built in : HSK-A63(20/24Konly)	BT40(BBT/CAT/DIN) Built in : HSK-A63	ISO40 / ISO50 / HSK-A63
Tool storage (pcs)	24(30,40,60)	16(24,32,40)	16(24,32,40)
Spindle motor (S1/S6)(KW)	11	11	11

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Double Column Machining Center



Sword

Heavy Cutting & High Accuracy (Box Guideway)

- Powerful high speed spindle 6000 rpm, Gear head
- X Axis Transmission By Planetary Direct Driven
- X Axis 2+2 Box way (SW-X26)

() : Option

Machine	SW-216/2616/316/416
X / Y / Z travel (mm)	2100/2600/3100/4100 X 1600 X 780[1070]
Table size (mm)	2000/2500/3000/4000 X 1450
Spindle speed (Gear) (rpm)	6000
Spindle speed (DDS) (rpm)	10000[12000]
Tool shank	BT50 (BBT / CAT / DIN)
Tool storage (pcs)	S : 20 / A : 32[40 / 60]
Spindle motor (KW)	18.5 [22/26]

() : Option

SW-220/320/420	SW-323/423/523/623	SW-326/426/526/626
2100/3100/4100 X 2000 X 780[920/1070]	3000/4000/5000/6000 X 2300 X 780[1070]	3000/4000/5000/6000 X 2600 X 780[920/1070]
2000/3000/4000 X 1830	3000/4000/5000/6000 X 2200	3000/4000/5000/6000 X 2500
6000	6000[4000]	6000[4000]
10000[12000]	10000[12000]	10000[12000]
BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)
S : 20 / A : 32[40/60]	S : 20 / A : 32[40 / 60]	S : 20 / A : 32[40/60]
18.5 [22/26]	18.5 [22/30]	18.5 [22/30]

() : Option

All New Infinity

High Speed & High Accuracy (Linear Guideway)

- Full line – up models applied for molds such as Automobile, plastic injection, aerospace industries and oil industries
- Available for DDS 10000rpm & 15000rpm
- Available for Roller type linear guide ways

() : Option

Machine	HSA-212/3212	HSA-219/319/419
X / Y / Z travel (mm)	2250/3250 X 1200 X 780	2000/3000/4000 X1900 X780[1000/1200]
Table size (mm)	2000/3000 X 1100	2000/3000/4000 x 1800
Spindle speed (Gear) (rpm)	6000(#50 only)	6000
Spindle speed (DDS) (rpm)	10000[12000#50 only ,15000#40 only]	10000[12000]
Tool shank	BT50 (BT40 / BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)
Tool storage (pcs)	24[32/40, #50 only]	S : 20 / A : 32[40/60]
Spindle motor (KW)	#50 18.5[15/22] #40 11	22 (18.5/26)

() : Option

HSA-323/423/523/623	HSA-327/427/527/627	HSA-428/528/628/728/828
3000/4000/5000/6000 X 2300 X780[1000/1200/1400]	3000/4000/5000/6000 X2700X780[1000/1200/1400]	4000/5000/6000/7000X2800X780[1000/1200/1400]
3000/4000/5000/6000 X 2200	3000/4000/5000/6000 x 2200	4000/5000/6000/7000/8000 x 2500
6000	6000	6000
10000[12000]	10000[12000]	10000[12000]
BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)
S : 20 / A : 32[40 / 60]	S : 20 / A : 32[40/60]	S : 20 / A : 32[40/60]
22 [26]	22 [26]	22 [26/37]

() : Option

HSA-432/532/632	HSA-536/636/736/836
4000/5000/6000 X 3200 X780[1000/1200/1400]	5000/6000/7000/8000 X 3600 X 780[1070/1200/1400]
4000/5000/6000 X 2500	5000/6000/7000/8000 x 3000
6000	6000
10000[12000]	10000[12000]
BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)
S : 20 / A : 32[40 / 60]	S : 20 / A : 32[40/60]
22 (18.5/ 26)	22 [26]

() : Option

Mirage High Efficiency Production (Linear Way)

- Fcontainer loading model
- Full line-up Angular bear solution
- Head stock in symmetrical structure

() : Option

Machine	HEP-2150	HSA-3150
X / Y / Z travel (mm)	2250 X 1500 X 780	3250 X 1500 X 780
Table size (mm)	2000 X 1400	3000 x 1400
Spindle speed (Gear) (rpm)	6000	6000
Spindle speed (DDS) (rpm)	10000[12000]	10000[12000]
Tool shank	BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)
Tool storage (pcs)	S : 20/ A:32[40]	S : 20 / A : 32
Spindle motor (KW)	18.5[22/26]	18.5 [22/26]

Multi-Face Double Machining Center



W-axis W-axis

- Applied for Automotive bodies, bumpers, engine hoods, parts & accessories and Sheet metal panels.
- Full line-up Automatic head change system.
- Synchronous direct servomotor at Waxis increases accuracy to 0.02mm.

■Remark : Two column distance :2450 mm

Machine	VW-4340	VW-5340
X / Y / Z travel (mm)	4050 X 3400 X 700	5050 X 3400 X 700
W travel (mm)	1100	1100
Table size (mm)	4000 X2100	5000 X2100
Spindle speed (Gear) (rpm)	4000[6000]	4000[6000]
Tool shank	BT50 (CAT / DIN)	BT50 (CAT / DIN)
Tool storage (pcs)	32[40 / 62]	32[40 / 62]
Spindle motor (KW)	22[26]	22[26]

() : Option

■Remark : Two column distance :3500 mm

VW-6340	VW-5430	VW-6430	VW-7430	VW-8430
6050 X 3400 X 700	5050 X 4300 X 700	6050 X 4300 X 700	7050 X 4300 X 700	8050 X 4300 X 700
1100	1100	1100	1100	1100
6000 X2100	5000 X 3000	6000 X 3000	7000 X 3000	8000 X 3000
4000[6000]	4000[6000]	4000[6000]	4000[6000]	4000[6000]
BT50 (CAT / DIN)	BT50 (CAT / DIN)	BT50 (CAT / DIN)	BT50 (CAT / DIN)	BT50 (CAT / DIN)
32[40 / 62]	32[40 / 62]	32[40 / 62]	32[40 / 62]	32[40 / 62]
22[26]	26[37]	26[37]	26[37]	26[37]

All New Infinity(HSA EA/EAY)

High Speed & High Accuracy (Linear Guideway)

- Full line – up models applied for molds such as Automobile, plastic injection, aerospace industries and oil industries
- Available for DDS 10000rpm & 15000rpm
- Available for Roller type linear guide ways



Machine	HSA-219/319/419 EA EAY	HSA-323/423/523/623 EA EAY
X / Y / Z travel (mm)	2000/3000/4000 X1900[2700EAY] X 1000/1200/1400	3000/4000/5000/6000 X2300[3100EAY] X 1000/1200/1400
Table size (mm)	2000/3000/4000 X1800	3000/4000/5000/6000 X2200
Spindle speed (Gear) (rpm)	6000[8000]	6000[8000]
Spindle speed (DDS) (rpm)	12000	12000
Tool shank	BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)
Tool storage (pcs)	32[40 / 60 / 90]	32[40 / 60 / 90]
Spindle motor (KW)	22[26/37]	22[26/37]

() : Option

HSA-327/427/527/627 EA EAY	HSA-428/528/628/728/828 EA EAY	HSA-432/532/632/732/832 EA EAY	HSA-536/636/736/836 EA EAY
3000/4000/5000/6000 X2700[3500EAY] X 1000/1200/1400	4000/5000/6000/7000/8000 X2800[3600EAY] X 1000/1200/1400	4000/5000/6000/7000/8000 X3200[4000EAY] X 1000/1200/1400	5000/6000/7000/8000 X3600[4400EAY] X 1000/1200/1400
3000/4000/5000/6000 X2200	4000/5000/6000/7000/8000 X2500	4000/5000/6000/7000/8000 X2500	5000/6000/7000/8000 X3000
6000[8000]	6000[8000]	6000[8000]	6000[8000]
12000	12000	12000	12000
BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)	BT50 (BBT / CAT / DIN)
32[40 / 60 / 90]	32[40 / 60 / 90]	32[40 / 60 / 90]	32[40 / 60 / 90]
22[26/37]	22[26/37]	22[26/37]	22[26/37]

Precision Boring & Milling Machining Center

PBM

Precision Boring & Milling Machining Center

- 4 step gear-driven spindle head with spindle torque output:6527N·m[37kw](PBM-135)
- W-axis with two linear ways

() : Option

Machine	PBM-115A / B	PBM-135A / B	PBM-135 P2/P3(Plane table type)
X / Y / Z travel (mm)	2000 X 1600 /1500 X 1500	A: 2500(3000/4000) X 2000(2500)X1500 B: 2500(3000/4000) X 1900(2500)X1500	P2: 2000 X 2000(2500)X1500 P3: 3000 X 2000(2500)X1500
W axis travel (mm)	500	500	700
Table size (mm)	A:1400X1600 B:1600X1800	A:1400X1600 B:1800X2000	P2:1500X2000 P3:1500X3000
Spindle dia. (mm)	110	130	130
Spindle speed (rpm)	3000	2500	2500
Tool storage (pcs)	40[60]	40[60]	40[60]
Spindle motor (KW)	18.5[22/26]	26[37]	26[37]



Vertical Machining Center

Linear guide way



Production Center

High Speed & High Accuracy (Linear Guideway)

- Special design for touch panel, smart phone & tablet PC
- Ultra high rapid feed speed up to 40000 mm/min (X, Y axis)

() : Option

Machine	S-Plus 8	S-Plus 10
X / Y / Z travel (mm)	800x520x550	1020x520x550
Table size (mm)	950x520	1150x520
Spindle speed (Pulley) (rpm)	8000 (10000 / 12000)	8000 (10000 / 12000)
Spindle speed (DDS) (rpm)	10000 (15000)	10000 (15000)
Tool shank	BT40 (BBT / CAT / DIN)	BT40 (BBT / CAT / DIN)
Tool storage (pcs)	24 [30]	24 [30]
Spindle motor (KW)	7.5[11]	7.5[11]

Plug & Play

High Speed & High Accuracy (Linear Guideway)

- High speed 20000rpm DDS spindle
- High efficiency 3D cutting

() : Option

Machine	MVP-8	MVP-10	MVP-11	MVP-13	MVP-16
X / Y / Z travel (mm)	860x530x630	1050x530x630	1100x600x630	1300x700x650	1600x820x700
Table size (mm)	1000x560	1150x560	1150x600	1400x700	1750x820
Spindle speed (DDS) (rpm)	10000[15000/20000]	10000[15000/20000]	10000[15000]	10000[15000/20000]	#40,10000[15000/20000] #50 10000[12000]
Spindle speed (Pulley) (rpm)	8000[10000 / 12000]	8000[10000 / 12000]	8000 (10000 / 12000)	8000[10000]	#40,8000[10000/12000] #50,6000[8000]
Spindle speed (Gear)[rpm]	----	----	----	----	----
Tool shank	BT40(BBT / CAT / DIN)	BT40(BBT / CAT / DIN)	BT40(BBT / CAT / DIN)	BT40(BBT / CAT / DIN)	BT40(BBT / CAT / DIN)
Tool storage (pcs)	S : 16 / A : 24 [30]	S : 16 / A : 24 [30]	A:24/30	A : 24 [30/40]	S:16 / A:24[30/40]
Spindle motor (KW) (Pulley)	7.5 (11/15)	7.5 (11/15)	7.5[11/15/18.5opt.]	11 (15/18.5)	15[18.5]

Box guide way



Power Center

Heavy Cutting (Box Guideway)

- High efficiency in production and mould making
- Y-axis 4 box guide way design(only PRO-1000)

() : Option

Machine	PRO-800	PRO-1000
X / Y / Z travel (mm)	800 x 510 x 630	1000 x 600 x 630
Table size (mm)	900 x 470	1150x600
Spindle speed (Pulley) (rpm)	8000 (10000 / 12000)	8000 (10000 / 12000)
Spindle speed (Gear) (rpm)	6000	6000 (8000 unavailable for BBT)
Tool shank	BT40 (BBT / CAT / DIN)	BT40 (BBT / CAT / DIN)
Tool storage (pcs)	S: 16 / A : 24	S: 16 / A : 24
Spindle motor (KW)	7.5 (11)	7.5 (11)

Special Purpose Machining Center



SMC-5

Small Mchining Center For 3C Industries.

- 60N/min. rapid traverse(MITSUBISHI).
- Versatile as a tapping center, Cuts like a machining center.

() : Option

Machine	SMC-5(MITSUBISHI M70BV)	SMC-5(Fanuc QIMD)
Working surface (mm)	600 x 400	600 x 400
T-slot (size x number x pitch)	14 x 3 x125	14 x 3 x125
Max table load(kg)	250	250
X / Y / Z travel (mm)	500 x 400 x 300	500 x 400 x 300
Distance from spindle end to table center	180~480	180~480
Spindle nose taper	ISO30	ISO30
Spindle speed (DDS)(rpm)	12000[15000/24000]	10000[15000/24000]
Tool storage (pcs)	14/21(Turret Type)	14/21(Turret Type)
Spindle motor (KW)	BT30	BT30

F1

High Efficiency Production (Linear Guideway)

- Ultra high rapid feed speed up to 40000 mm/min (X, Y axis)
- Tool change time 1.18 sec. (T to T) Only LG-500
- Tool change time:1.38sec(LG-800/1000)[OPT.]

() : Option

Machine	LG-500	LG-800	LG-1000	LG-1370	LG-1570
X / Y / Z travel (mm)	520x420x450	800x510x630	1000x510x630	1300x700x650	1500x700x650
Table size (mm)	620x420	950x510	1150x510	1400x650	1600x650
Spindle speed (Pulley) (rpm)	8000[10000/12000]	8000[10000/12000]	8000[10000/12000]	8000[10000/12000]	10000[15000]
Spindle speed (Gear) (rpm)	10000[12000/15000]	10000[12000/15000]	10000[12000/15000]	10000[12000/15000]	8000[10000 / 12000]
Tool shank	BT40 (BBT / CAT / DIN)	BT40 (BBT / CAT / DIN)	BT40 (BBT / CAT / DIN)	BT40(BBT / CAT / DIN)	BT40(BBT / CAT / DIN)
Tool storage (pcs)	A 24	S : 16 / A : 24	S : 16 / A : 24	S: 16 / A: 24 [30]	S: 16 / A: 24 / 30
Spindle motor (KW)	3.7 [5.5]	7.5 (11)	7.5 (11)	11 [15]	11 (15)

Box guide way



Super Tornado

Heavy Cutting (Box Guideway)

- All New design for Greater rigidity and stability
- Five model and two different columns to cater the customer's requirement

() : Option

Machine	HCMC-1000	HCMC-1270
X / Y / Z travel (mm)	1000 x 600 x 630	1270 x 650 x 630
Table size (mm)	1150 x 600	1370 x 650
Spindle speed (Pulley) (rpm)	8000 (10000/12000)	#40,8000 (10000/12000)
Spindle speed (Gear) (rpm)	#40,6000[8000 unavailable for BBT]	#40 6000 [8000 unavailable for BBT] #50 6000[8000]
Spindle speed(DDS)(rpm)	----	#40 10000[15000]
Tool shank	BT40[BBT / CAT / DIN]	BT40[BBT / CAT / DIN]
Tool storage (pcs)	S: 16 / A : 24	S: 16 / A : 24[30/40] A : 24 [32]
Spindle motor (KW)	11[15/18.5]	11[15/18.5] 15[18/5]