

Gantry Type 5-axis / 5-face Machining Center



AERO High Rigidity 5-axis Gantry Type Machining Center

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

■ 5-Face Machining Center

Machine	AERO-326/426/526/626/726/826/1026 SR	() : Option
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 (Hybrid for Fanuc)	

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)
12000/13000/14000/16000/20000X2600	4000/5000/6000/7000/8000/10000X3100	12000/13000/14000/16000/20000X3100	4000/5000/6000/7000/8000/10000X3600
6000/8000	6000/8000	6000/8000	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 (Hybrid for Fanuc)	18.5/22 ; 30/35 (Hybrid for Fanuc)	18.5/22 ; 30/35 (Hybrid for Fanuc)	18.5/22 ; 30/35 (Hybrid for Fanuc)

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	5000/6000/7000/8000/10000X4100	12000/13000/14000/16000/20000X4100	5000/6000/7000/8000/10000X4600
6000/8000	6000/8000	6000/8000	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 (Hybrid for Fanuc)	18.5/22 ; 30/35 (Hybrid for Fanuc)	18.5/22 ; 30/35 (Hybrid for Fanuc)	18.5/22 ; 30/35 (Hybrid for Fanuc)

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	6000/7000/8000/10000X5100	12000/13000/14000/16000/20000X5100
6000/8000	6000/8000	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 (Hybrid for Fanuc)	18.5/22 ; 30/35 (Hybrid for Fanuc)	18.5/22 ; 30/35 (Hybrid for Fanuc)

■ 5-Axis Machining Center	AERO-X26 (HSK-A100 : 12000rpm)	() : Option
Machine	AERO-X26 (HSK-A63 : 24000rpm)	
X / Y / Z travel (mm)	6(3/4/5/8/per 2M) max.20 X 3100 X 1100(1300)	
Table size (mm)	2.1(2.6)x6(3/4/5/8/per.2M) max.20	
Spindle speed (rpm)	6000/8000	
Tool shank	HSK-A63 : 24000	
Tool storage (pcs)	40(60)	
Spindle motor (S1/S6)(kW)	34/43	

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 4100 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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5-Axis Machining Center



5A-Series Vertical Machining Center

• 36,000 mm/mm rapid traverse rates	
• Swivel rotary table (B,C-axis)	
Machine	5A-650
X / Y / Z travel (mm)	660 X 550 X 460
Table size (mm)	Ø650 X 550 X 460
Spindle speed (DDS) (rpm)	#40:10000(12000/15000)
Spindle speed (Built in) (rpm)	(24000)
Tool shank	ISO40,HSK-A63
Tool storage (pcs)	24(30,40,60)
Spindle motor (kW)	Heidenhain:12.5

5A-600T	5A-800T	5A-1000F	5A-1500F	5A-2
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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

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-2212/3212	HSA-219/319/419
X / Y / Z travel (mm)	2250/3250 X 1200 X 780	2000/3000/4000 X 1900 X 780(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 (BTT / CAT / DIN)	BT50 (BTT / CAT / DIN)
Tool storage (pcs)	S : 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

Machine	HSA-323/423/523/623	HSA-327/427/527/627	HSA-428/528/628/728/828
3000/4000/5000/6000 X 2300 X 780(1000/1200/1400)	3000/4000/5000/6000 X 2700 X 780(1000/1200/1400)	4000/5000/6000/7000/2800/780(1000/1200/1400)	4000/5000/6000/7000/2800/780(1000/1200/1400)
3000/4000/5000/6000 X 2200	3000/4000/5000/6000 X 2200	4000/5000/6000 X 2200	4000/5000/6000 X 2200
6000	6000	6000	6000
10000(12000)	10000(12000)	10000(12000)	10000(12000)
BT50 (BTT / CAT / DIN)	BT50 (BTT / CAT / DIN)	BT50 (BTT / CAT / DIN)	BT50 (BTT / CAT / DIN)
S : 20 / A : 32(40 / 60)	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)	22 (26/37)

(): Option

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

(): Option

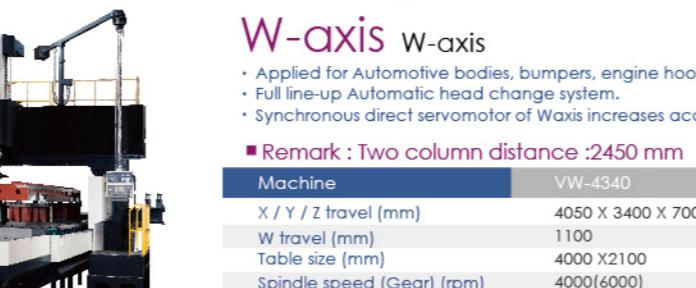
Mirage High Efficiency Production (Linear Way)

- Container loading model
- Full line-up Angular gear 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 (BTT / CAT / DIN)	BT50 (BTT / 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)

(): Option



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 of Waxis increases accuracy to 0.02mm.

■ Remark : Two column distance :2450 mm

Machine	VW-216/2616/316/416	VW-5340
X / Y / Z travel (mm)	2100/2600/3100/4100 X 1600 X 780(1070)	5050 X 3400 X 700
Table size (mm)	2000/2500/3000/4000 X 1450	5000 X 2100
Spindle speed (Gear) (rpm)	6000	4000(6000)
Spindle speed (DDS) (rpm)	10000(12000)	BT50 (CAT / DIN)
Tool shank	BT50 (BBT / CAT / DIN)	BT50 (CAT / DIN)
Tool storage (pcs)	S : 20 / A : 32(40 / 60)	32(40 / 60)
Spindle motor (kW)	18.5(22/26)	22(26)

■ Remark : Two column distance :3500 mm

Machine	VW-6340	VW-5430	VW-6430	VW-7430	VW-8430
X / Y / Z travel (mm)	4050 X 3400 X 700	5050 X 3400 X 700	6050 X 3400 X 700	7050 X 4300 X 700	8050 X 4300 X 700
Table size (mm)	1100	1100	1100	1100	1100
Spindle speed (Pulley) (rpm)	4000(6000)	4000(6000)	4000(6000)	4000(6000)	4000(6000)
Spindle speed (DDS) (rpm)	BT50 (CAT / DIN)				
Tool shank	BT40 (BBT / CAT / DIN)				
Tool storage (pcs)	32(40 / 62)	32(40 / 62)	32(40 / 62)	32(40 / 62)	32(40 / 62)
Spindle motor (kW)	22(26)	26(37)	26(37)	26(37)	26(37)

(): Option

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

(): Option

Machine	HSA-219/319/419 EA EAY	HSA-323/423/523/623 EA EAY
X / Y / Z travel (mm)	2000/3000/4000	1900(3100EA) X 1000/1200/1400
Table size (mm)	2000/3000/4000 X 1800	3000/4000/5000/6000 X 2200
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

Machine	HSA-327/427/527/627 EA EAY	HSA-428/528/628/728/828 EA EAY	HSA-432/532/732 EA EAY	HSA-536/636/736/836 EA EAY

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