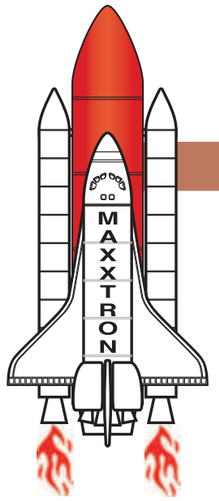
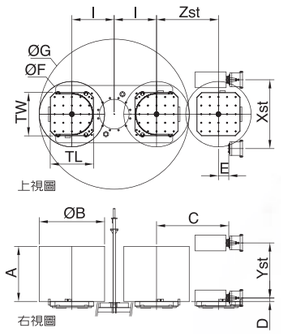
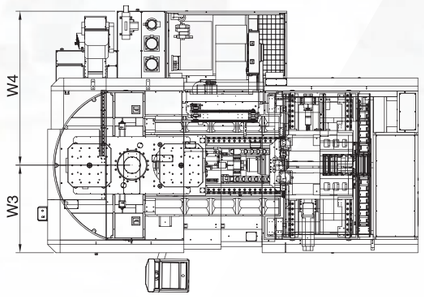
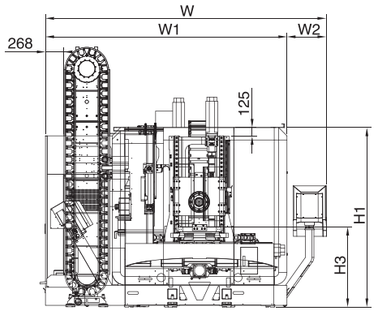
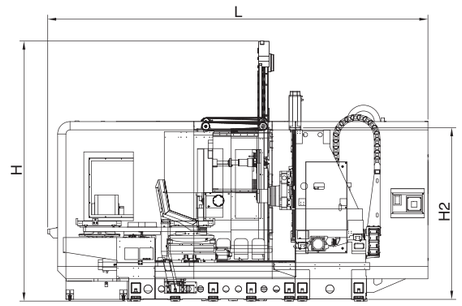


MACHINE DIMENSION









	A	B	C	D	E	F	G	H	H1	H2	H3	I	L	W	W1	W2	W3	W4	Xst	Yst	Zst	TW	TL
H400	600	600	725	80	125	600	1350	3000	2520	2590	1080	375	4800	3000	2420	580	1100	1320	600	600	600	400	400
H500	700	770	880	85	110	770	1720	3200	2550	2590	1080	475	5000	3000	2420	580	1100	1320	770	700	770	500	500
H630	800	950	1050	50	150	950	2180	3780	2610	2500	1165	615	5530	4080	3510	580	1273	2237	1000	800	900	630	630
H800S	800	950	1050	50	150	950	2180	3780	2610	2500	1165	615	5530	4080	3510	580	1273	2237	1000	800	900	630	630
H800	1100	1400	1250	80	200	1400	3000	4000	3280	3150	1350	800	6400	4790	4210	580	1670	2540	1400	1100	1050	800	800
H1000S	1100	1400	1250	80	200	1400	3000	4000	3280	3150	1350	800	6400	4790	4210	580	1670	2540	1400	1100	1050	800	800
H1000	1500	1800	1600	100	300	1800	3820	4650	3605	3475	1400	1010	7880	5190	4610	580	1570	2590	1700	1400	1400	1000	1000
H1250S	1500	1800	1600	100	300	1800	3820	4650	3605	3475	1400	1010	7880	5190	4610	580	1570	2590	1700	1400	1400	1000	1000
H1250	1500	2100	1650	0	300	2100	–	4650	3605	3475	1400	–	8000	6520	6520	580	3260	3260	2000	1575	1400	1250	1250

unit:mm

* Specifications are subject to change without notice.

H

MAXXTRON

HIGH SPEED HORIZONTAL TYPE MACHINING CENTER

H1250, H1250s, H1000, H1000s, H800, H800s, H630, H500, H400

MAXXTRON CNC

MAXXTRON TECHNOLOGY CO., LTD.
No.20, Ln.750, Wangfu St., Wangtian Vil., Dadu Dist.,
Taichung City 432, Taiwan (R.O.C.)
Tel: 886-4-26931373
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E-mail: Sales@maxxtron.com.tw

Agent:

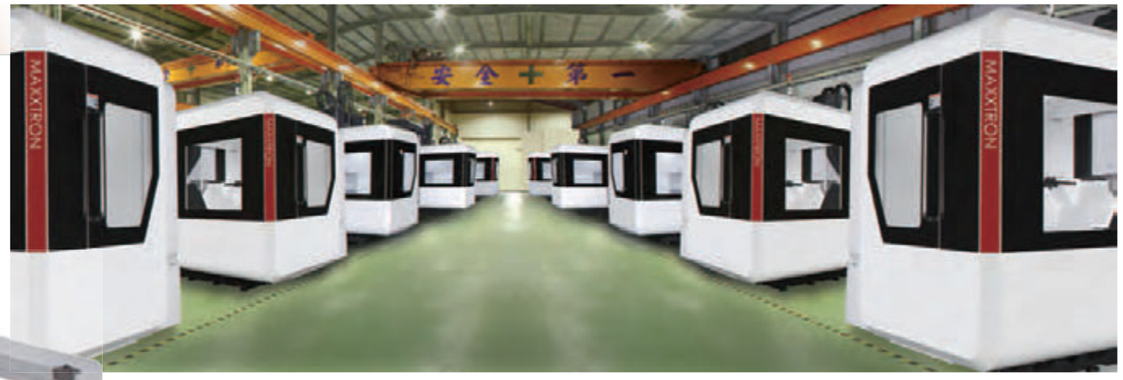
H500 High Speed Horizontal Center

H630 High Speed Horizontal Center

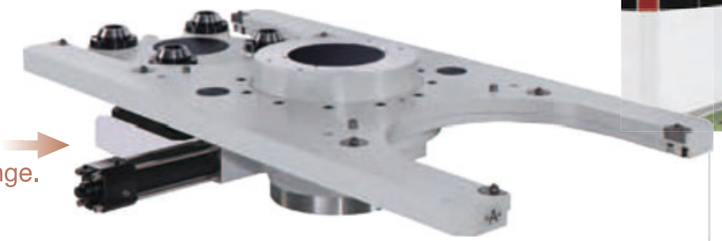
MECHANICAL AESTHETICS

- From Japan's advanced design, machine through a complete optimization FEA finite element analysis, the whole machine high rigidity structure, all machine body were using Meehanite casting.
- With high acceleration / deceleration testing, to achieve stringent processing requirements.
- Pallet change were using servo motor to accelerate decrease time, switching time of only 11 seconds. (H630)
- Max working piece size up to 950x800mm, maximum load 1000 kg, can meet the all customer require m ents.(H630)
- Rapid traverse speeds up to 40m/min(H630), the extreme working speed to reduce time cost.

WORKING AREA



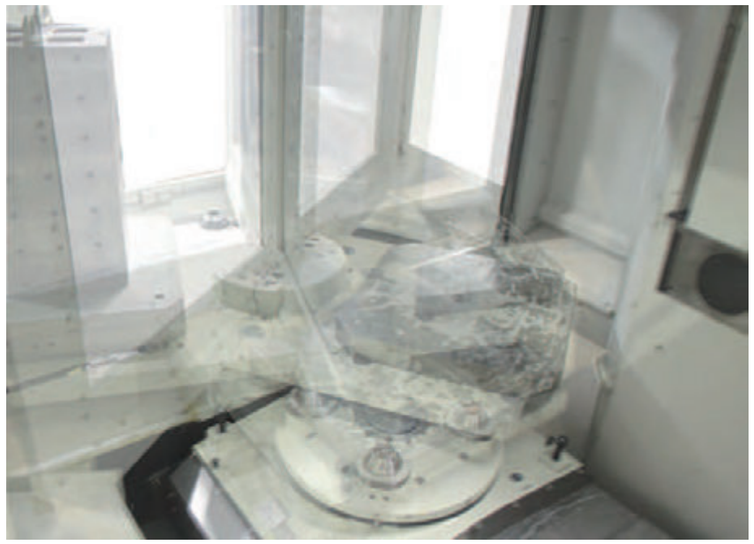
Pallet positioning accuracy of 1°
(1/1000° Optional)



High-efficiency automatic pallet change.

AUTOMATIC PALLET CHANGE

- Pallets are rigidly clamped using a constantly engaged oil-bathed drawing and are hardened alloy steel pullstud mounted directly to the pallet.
  The mechanical lock of the horizontal pallet completely prevents any movement.
- Pallet change is operaed by hydraulic and rack mechanisms, providing & increasing in pallet changing speed & accuracy.

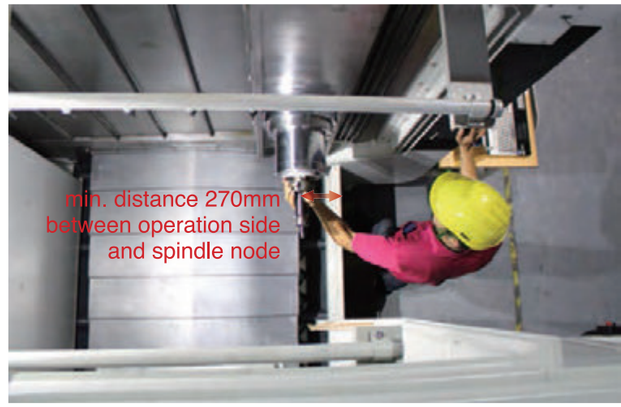


- Air blast in B-axis positioning cones, the pallet is accurately positioned 4 cones in combination with air blast on the cone surfaces and hydraulic draw bar. This provides high rigidity and accuracy of the pallet.

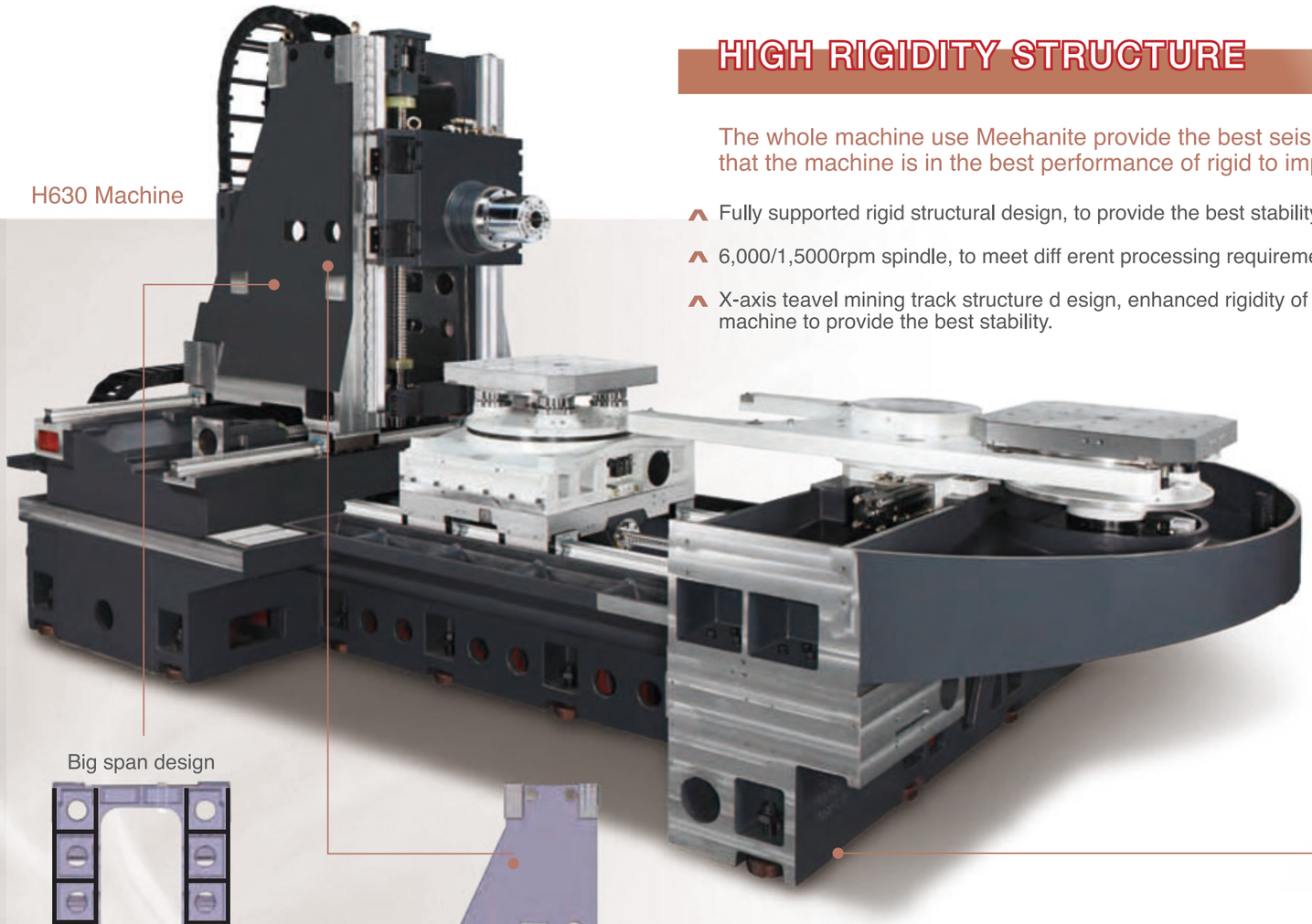
Automatic pallet change

FRIENDLY DESIGN

- Operating side to spindle nose only 270cm, easy to replacement or correction tool.
- Maximum front door width 970mm (H More than 630mm), easy loading and unloading.
- Indication light bar, obviously indicating the status of machine, keep watching of the machine situation.
- Excellent arc machine cover design, reduce floor space and cost.



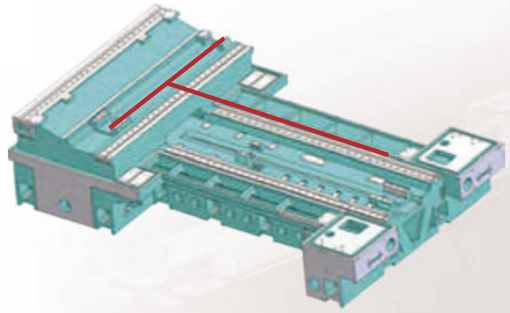
H630 Machine



HIGH RIGIDITY STRUCTURE

The whole machine use Meehanite provide the best seismic capacity, combined with rib reinforcement casting machine, ensure that the machine is in the best performance of rigid to improve the overall performance of the machine precision.

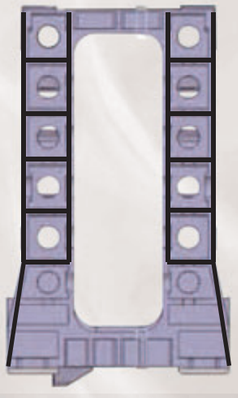
- Fully supported rigid structural design, to provide the best stability.
- 6,000/1,5000rpm spindle, to meet diff erent processing requirements.
- X-axis teavel mining track structure d esign, enhanced rigidity of the machine to provide the best stability.
- Pallet change time of 11 seconds, reducing wasted time.
- Fully enclosed splash cover design, to avoid cutting debris and liquid splashes, waterproof and perfect.
- Machine inside the top water curtain (SHOWER ROOM) designed to effectively improve the removal efficiency of internal dust accumulation.
- 3 axis are taken absolute motors, to provide precision position feedback to sure the machine accuracy.

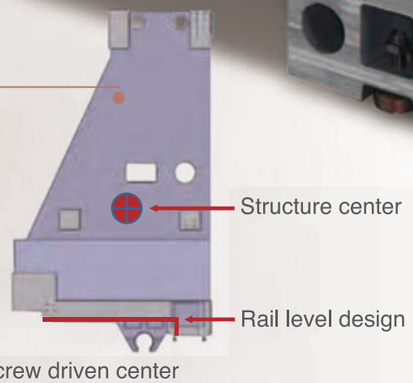


T-type base and column based on the distance of the saddle on the best design, ensuring high rigidity link X,Z axis, no deformation doubts.

Chip port with both sides of the front chassis de-sign, dramatically reduce the footprint.

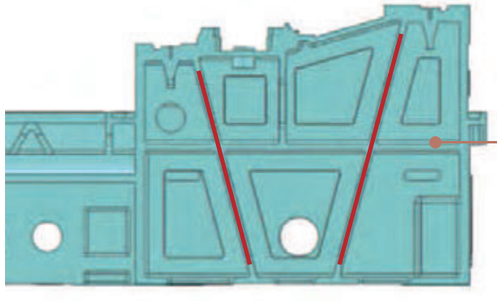
Big span design



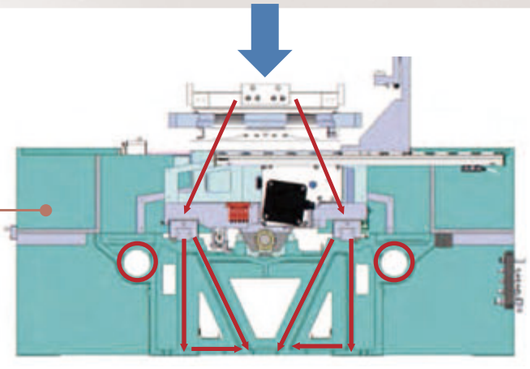


Ball screw driven center

- X-axis rail level design provides fast and smooth axial movement of the double-wall design provides structural stability lightweight and deceleration.
- X-axis position colse of the screw drive, the vertical center near of the structural design, reducing the torque generated when moving to improve the stability of axial movement.
- Column using box structure design, significantly improved structural rigidity, and with the base of large span design to ensure optimum processing stability.

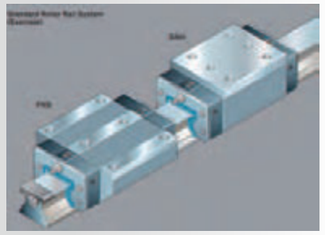


X -axis with V- rib design , and the level of rail design which provide structural rigidity and optimized.



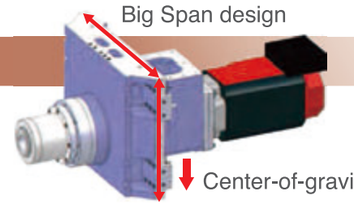
Z -axis by high base load can be rigid vertical ribs & V- ribbed design double reinforced base load power to improve stability.

LARGER SLIDER - INCREASE STABILITY

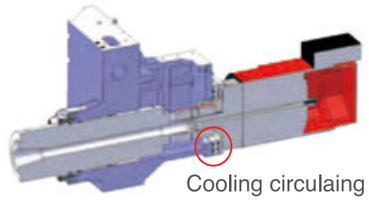


- Larger slider to increase the load capacity and stability of movement between the line and the slider can be separated rail maintenance, reduce maintenance costs and time.

HEAD RIGIDITY

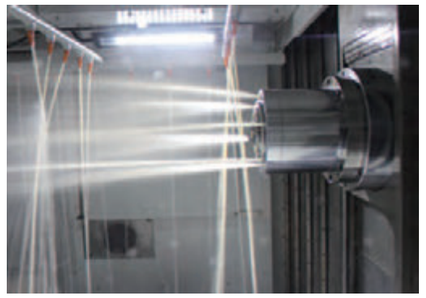


- Y-axis rail span mining large span desig ned to provide optimum processing stability, Y-axis moving down the center of gravit y in the Y-axis screw position to provide the best high-speed mobile stability.
- Spindle head with box-type structure de signed to ensure optimum rigidity and stability of the head processing quality.
- Spindle between the head and the spind le motor, increasing the cooling loop block design, effectively isolating the motor temperatu re to ensu re that the Z-axis machining accuracy.



POWER C HIP FLUSH

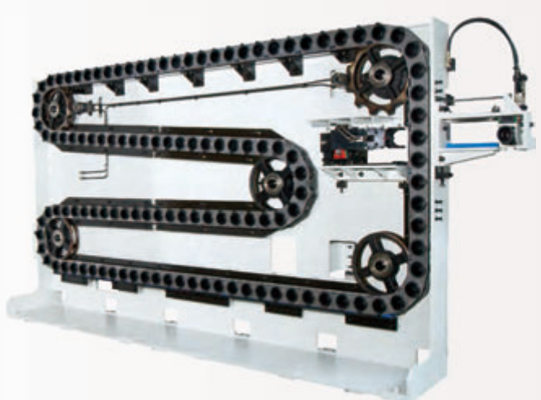
Powerful spindle spray ri ng design can be easily removed when cutting spindle. Generated debris, and w ith SHOWER ROOM punch debris insi de the machine device, quickly remove d ust accumulation inside the machine, redu cing the cost of pollution & enhance mac hine processing efficiency.



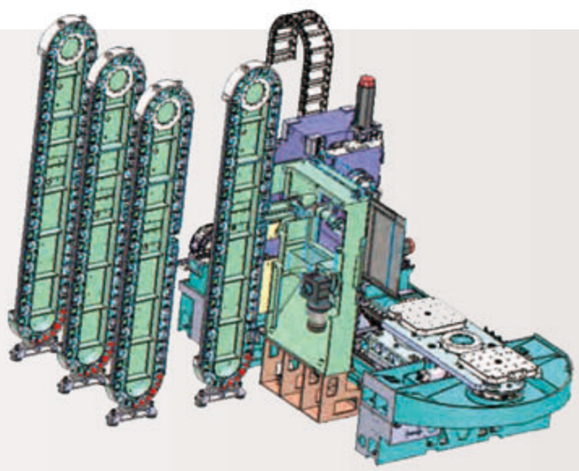
AUTOMATIC TOOL CHANGER

- With 40/60/90/120/180 tool magazine, increase processing efficiency.
- Special cover design, can effectively prevent debris from the cutting tool and the cutting fluid into the body.
- Cam rotation mechanism linked with the activities of the door , open the door to save time waiting for knife, magazine increases from 1 to 3 Expansion magazine , you can significantly increase the number of tools.

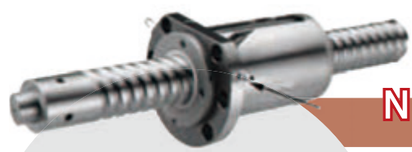
40 Tools ATC



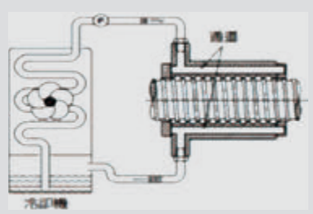
120 Tools ATC



Expansion Magazine



NUT COOLING



- Optimal cooling effect.
- Effective control of axes moving heat source. (heat source come from screw and nut)
- Rigidity better than hollow screw.
- Increase moving precision of long travel.

APPLICATION

S45C Steel

Face Milling Remove Rate
500 cc/min.

TOOL	63mm x 5T
SPEED	1,500rpm
FEED	10,000mm/min
WIDTH	50mm
DEPTH	1mm

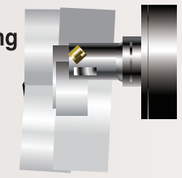
S45C Steel

Face Milling Depth
3 mm

TOOL	80mm x 6T
SPEED	1,500rpm
FEED	1,500mm/min
WIDTH	60mm
RATE	270cc/min

S45C Steel

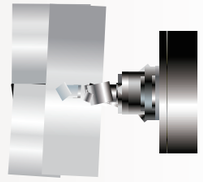
End Milling Depth
4 mm



TOOL	32mm x 3T
SPEED	1,500rpm
FEED	675mm/min
WIDTH	25mm
DEPTH	4mm

S45C Steel

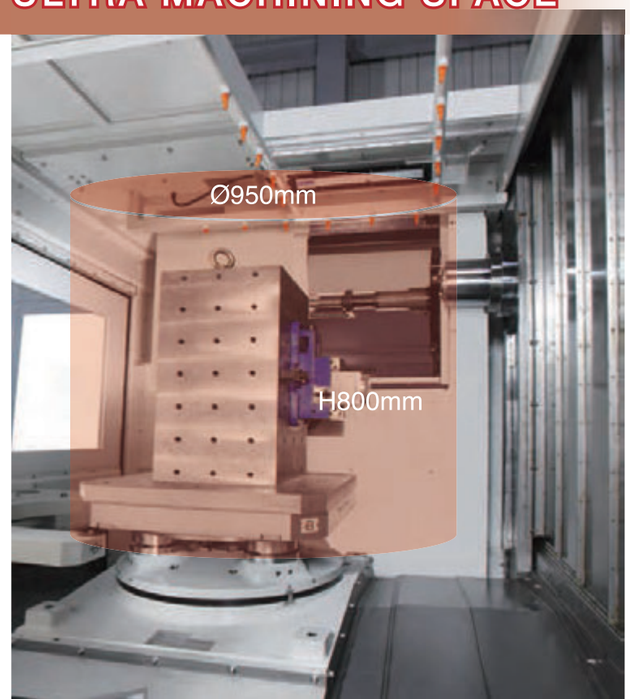
Drill Tool Dia.
ø59 mm



TOOL	59mm
SPEED	1,000rpm
FEED	70mm/min
WIDTH	100mm

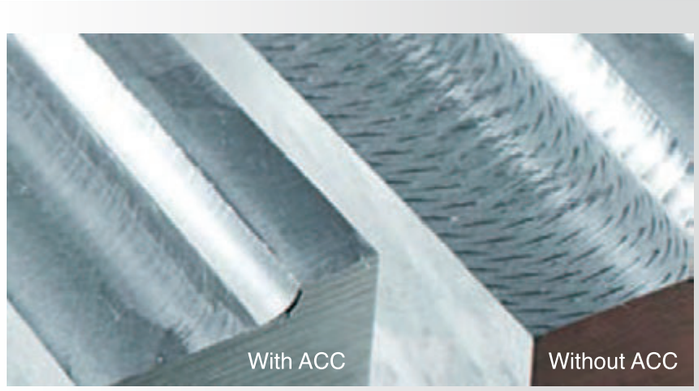
Model:H630 Spindle:BBT50

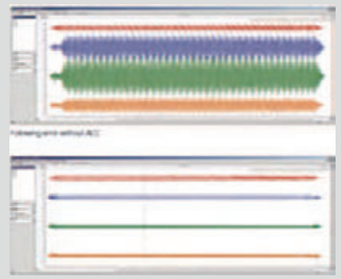
ULTRA MACHINING SPACE

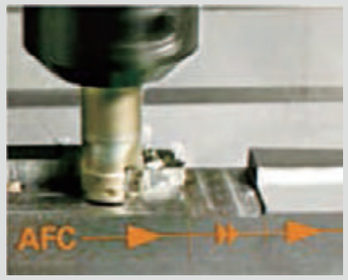


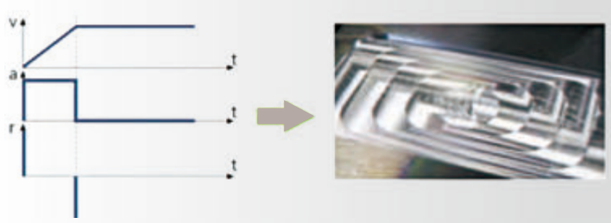
Ultra machining space(H630)
Ø950mm x H800mm

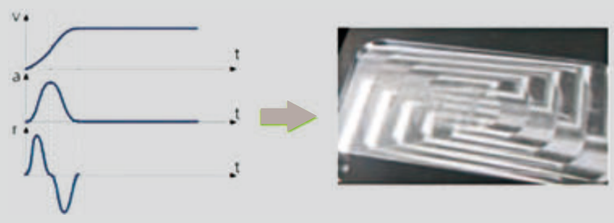
MACHINIG FUNCTIONS AFC, HSC, ACC











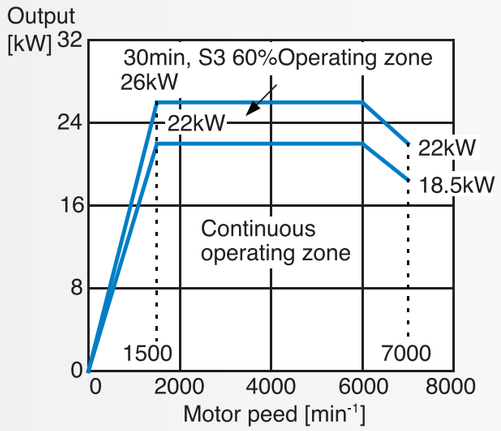
Dynamic collision monitor-DCM effective avoid collision of program or human error

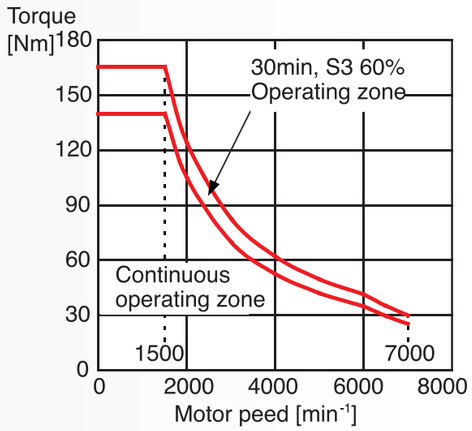
DUAL DOOR DUAL PROTECTION

- Electric control box is divided into controller and I/O layer, reduce heating and decrease temperature efficiently.
- Needless to open the controller layer when I/O is in maintenance, in order to reduce the pollution. The dustproof rubber strips are used all around for pollution isolation.

EFFICIENT HIGH-TORQUE SPINDLE

- 6000-15000rpm High speed and High effiencity spindle.
- High power and torque output suitable for all machining conditions.
- BBT type increase cutting ability and machining accuracy.





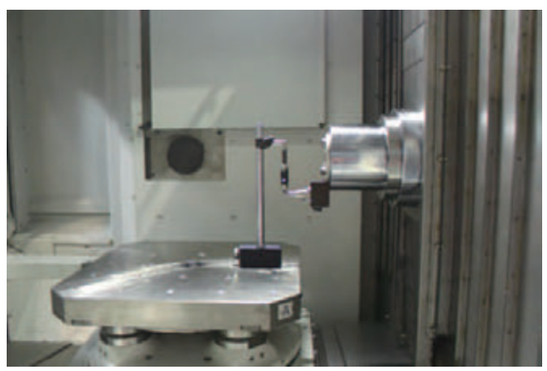
FANUC α22 7000i

FANUC α22 10000iT

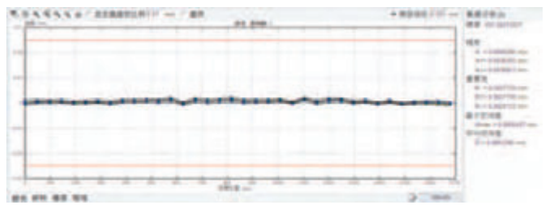
Vertical & Horizontal Swivel Head

QUALITY CONTROL

Ball Bar Test

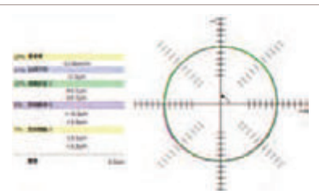


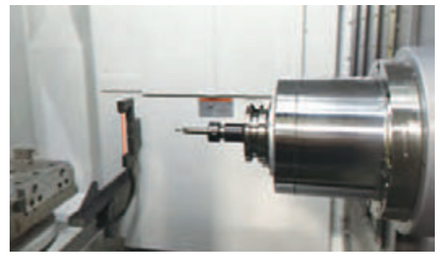
Laser Calibration Test



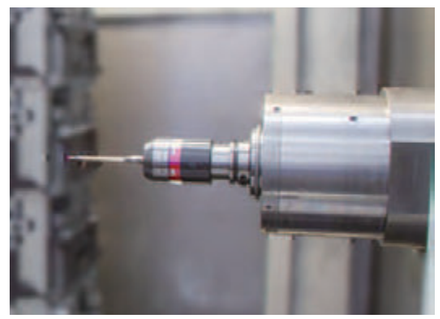
Axes of Laser measurement VDI

XY-F3000
Ballbar diagnosis





Tool measurment system



Wireless workpiece measurement system, no cover issue

MAXXTRON CNC

HORIZONTAL MACHINING CENTER SERIES SPECIFICATIONS:

	Unit	H1250	H1250s	H1000	H1000s	H800	H800s	H630	H500	H400
X axis travel	mm	2000	1700	1700	1500	1500	1100	1100	770	600
Y axis travel	mm	1500	1400	1400	1100	1100	900	900	700	600
Z axis travel	mm	1400	1400	1400	1100	1100	900	900	770	600
Dist. Between spindle center to table	mm	80~1580	1000~1500	1000~1500	80~1180	80~1180	80~980	50~950	85~785	80~680
Dist. Between spindle nose to table	mm	300~1700	300~1700	300~1700	200~1300	200~1300	150~1050	150~1050	110~880	125~725
Table										
Machining dimension (Ø/H)	mm	2100x1580	1800x1500	1800x1500	1450x1180	950x980	1400x1100	950x800	770x700	600x600
Max. Load	kg	3500	3500	2500	2500	2000	2000	1000	600	400
Surface configuration	mm	M16x2Px160D	M16x2Px160D	M16x2Px160D	M16x2Px160 D	M16x2Px160D	M16x2Px160D	M16x2Px125D	M16x2Px125D	M14x2Px125D
Pallet Changer										
Quantity	pcs	2	2	2	2	2	2	2	2	2
Dimension	mm	1250x1250	1250x1250	1000x1000	1000x1000	800x800	800x800	630x630	500x500	400x400
Max Table Speed	rpm	5.5	5.5	6.9	6.9	11.1	11.1	11.1	16.6	16.6
Resolution	degree	1(opt:0.001)	1(opt:0.001)	1(opt:0.001)	1(opt:0.001)	1(opt:0.001)	1(opt:0.001)	1(opt:0.001)	1(opt:0.001)	1(opt:0.001)
Change Time	Sec.	80	80	28	28	25	20	11	8	8
Spindle										
Type		Direct-drive	Direct-drive	Direct-drive	Direct-drive	Direct-drive	Direct-drive	Direct-drive	Direct-drive	Direct-drive
Max. spindle speed	rpm	6000/8000/10000	6000/8000/10000	6000/8000/10000	6000/8000/100 00	6000/8000/10000	6000/8000/10000	6000/8000/10000	12000/15000	12000/15000
Spindle taper		BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	BBT-40	BBT-40
Feedrate										
Rapid traverse rate(X/Y/Z)	m/min	30/30/30	30/30/30	30/30/30	30/30/30	30/30/30	30/30/30	40/40/40	48/48/48	48/48/48
Cutting feed rate	mm/min	1-20000	1-20000	1-20000	1-20000	1-20000	1-20000	1-20000	1-20000	1-20000
ATC & Maganize										
ATC Type		Arm type	Arm type	Arm type	Arm type	Arm type	Arm type	Arm type	Arm type	Arm type
Max. tools	pcs	40/60/90	40/60/90	40/60/90	40/60/90	40/60/90	40/60/90	40/60/90	40/60/90	40/60/90
Max. diameter (next empty)	mm	115/230	115/230	115/230	115/230	115/230	115/230	115/230	100/150	100/150
Max. length	mm	450	450	450	450	450	450	450	300	300
Max. weight	kg	20	20	20	20	20	20	20	8	8
Tool shank		BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	BBT-40	BBT-40
Space & System Requirement										
Pneumatic pressure	Kgf/cm	6	6	6	6	6	6	6	6	6
Electrical power consumption	kVA	75	75	75	75	75	75	50	50	50
Machine net weight	kg	35000	32000	28000	28000	25000	22000	20000	16000	12000
Max. floor space (WxLxH)	mm	8200x5200x4500	7700x4500x4300	7700x4500x4300	6400x3690x40 00	6400x3690x4000	5450x3470x3430	5530x3595x3550	5000x3000x3200	4500x3000x3000

*Specifications are subject to change without notice.

SPECIFICATIONS

Standard Equipment

- FANUC 0iMF / TFT10.4" LCD
- Ethernet card,USB &RS-232C Interface
- Fully enclosed splash guard
- Spindle cooler
- 3 axes absolute encoder motors
- ATC
- Linear scales(3 axes)
- 3 axis linear guide way
- BOSCH Rexroth / P Class / roller type
- Coolant tank and coolant flushing system
- Centralized automatic lubrication system
- Spindle air blast
- Working lamp
- Indication lamp
- Anchor bolts, leveling blocks and bolts
- Drawer type chip collection box
- Screw type conveyorx2(Table side)
- Tool kits
- Washin g gun and air gun
- Cutting coolant system
- Cutting air blast
- Operati on manuals

Optional Accessories

- Direct-drive/Built-in High Speed Spindle
- FANUC 31i Controller
- HEIDENHAIN Controller
- Tool length measurement system (Blum)
- Workpiece measurement system
- Automatic lubrication system (Grease)
- Oil mist cutting system
- Spindle thermal compensation system (for IBAG spindle only)
- Transformer
- Oil mist collector
- CTS
- Steel belt type chip conveyor
- Oil skimmer
- Gearbox
- Swivel head