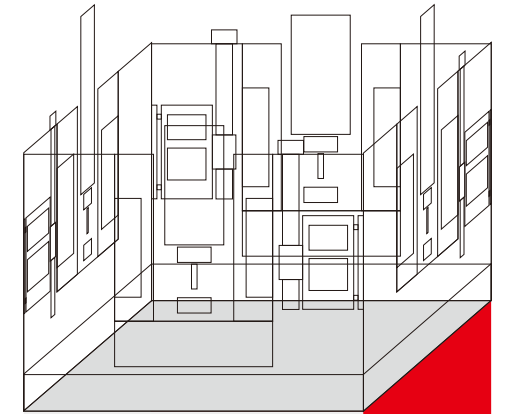




Small Footprint Big Cutting Capacity

1000mm Y Axis Travel

SOGOTEC Precision Co., Ltd.

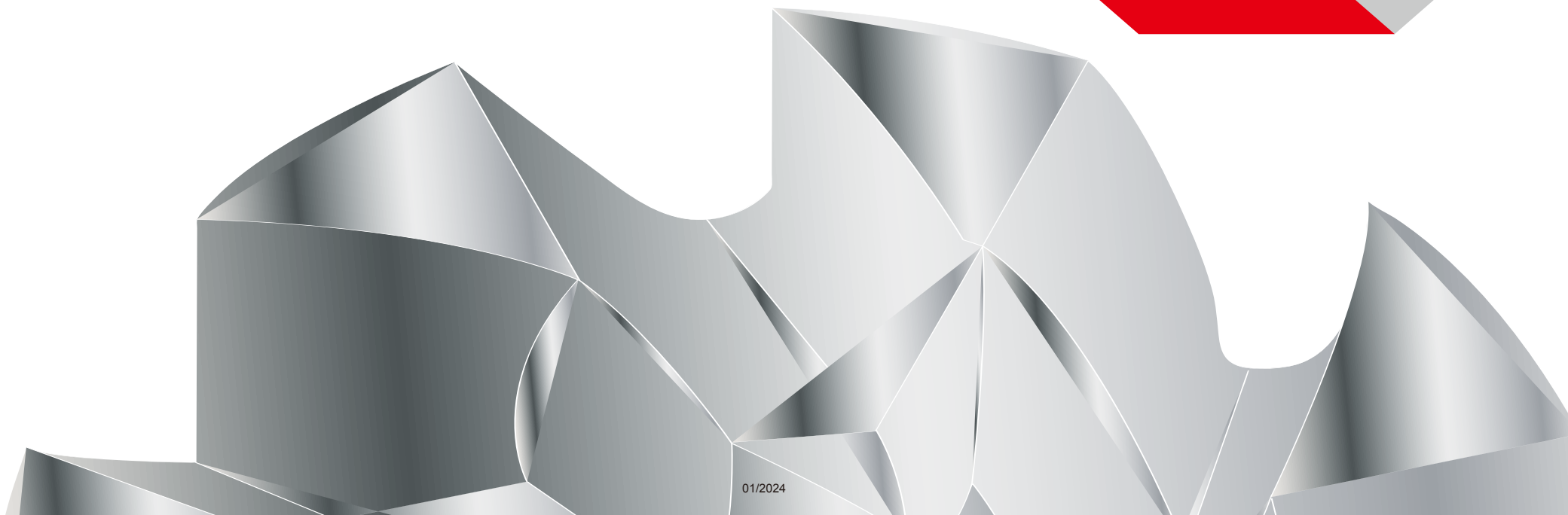
No.178, Guangqi Rd., Shengang Dist.,
Taichung City 42948, Taiwan (R.O.C.)

Tel: +886-4-25612611

Fax: +886-4-25611613

E-mail: sales@focaseiki.com.tw

www.focaseiki.com.tw



Vertical Machining Center

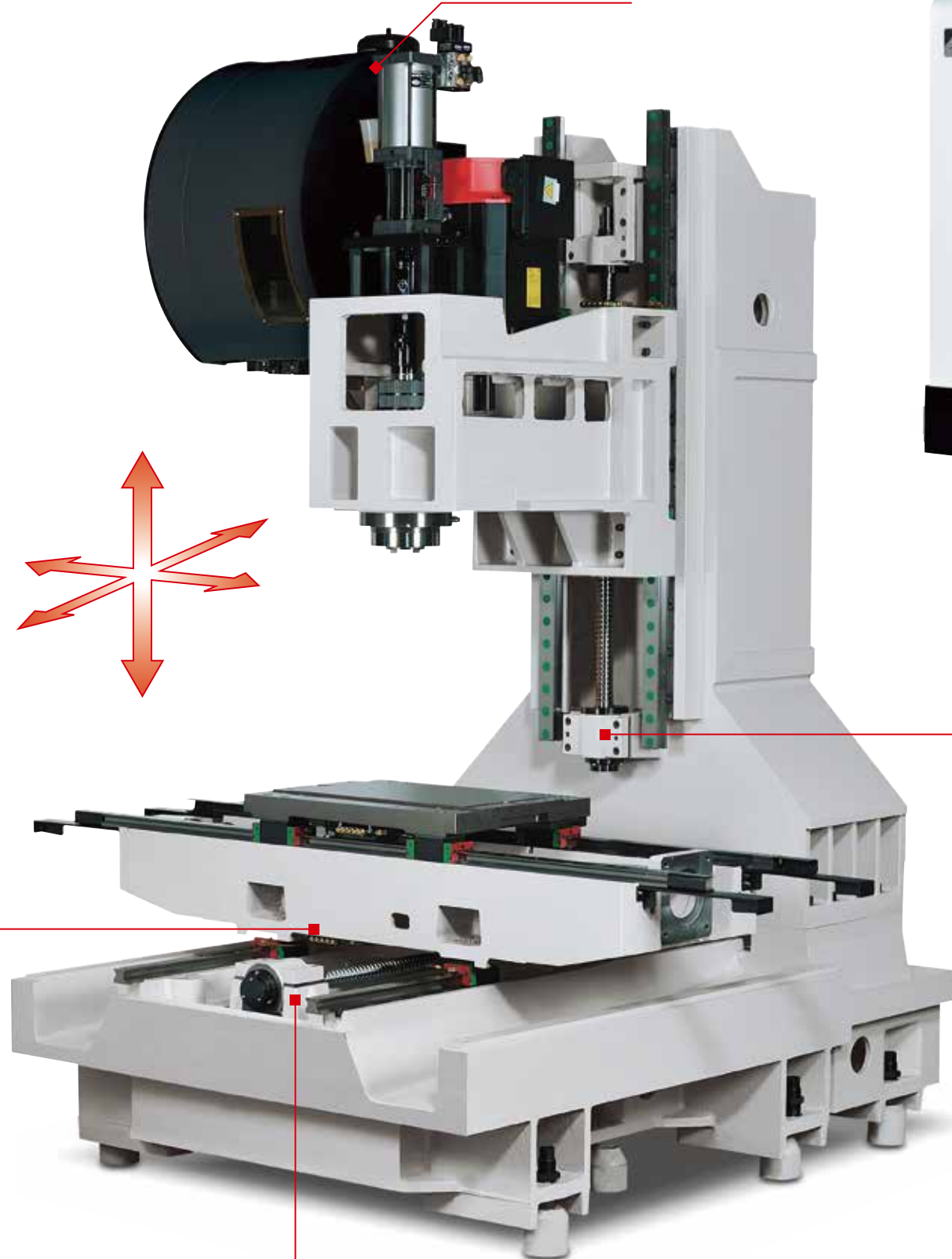
- X/Y/Z Rapid Traverse 30/30/24 m/min (Option 36/36/30 m/min)
- HQ-Container Ocean Packing (Lowest Shipping Fee)
- Direct Type Spindle Motor Cooling Device

Reservoir
Bottle For A.T.C.

3 Axis High Rigidity Design

Reservoir-Type
Lubricator Bronze
Tube Oil Circuit

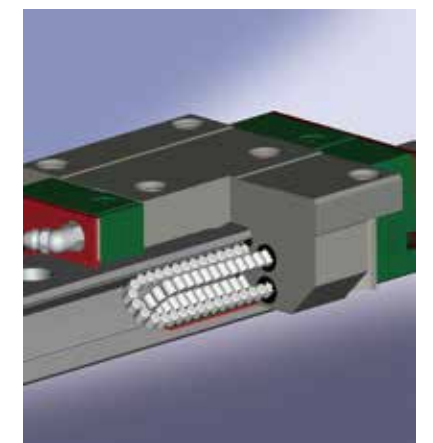
3 Axes Adopted Roller Type
Linear Guideways



Heavier Loading & Higher Precision

Roller Type Linear Guideways on X/Y/Z Axis

X/Y/Z Axes Equipped with
7 Angular Ball Bearings to
Reduce Thermal
Deformation Impacts



- 3 Axis Rapid Traverse 24 m/min, Option 30/30/24 m/min
- HQ-Container Packing (Lower Shipping Cost)
- Reservoir-Type Lubricator Bronze Tube Oil Circuit
- Direct Type Spindle Motor Cooling Device

Independent Pneumatic
Reservoir For ATC

Option ISO-50, ZF Gear Box

Special Design For Y Axis
Four Tracks & Roller Type
Linear Guide

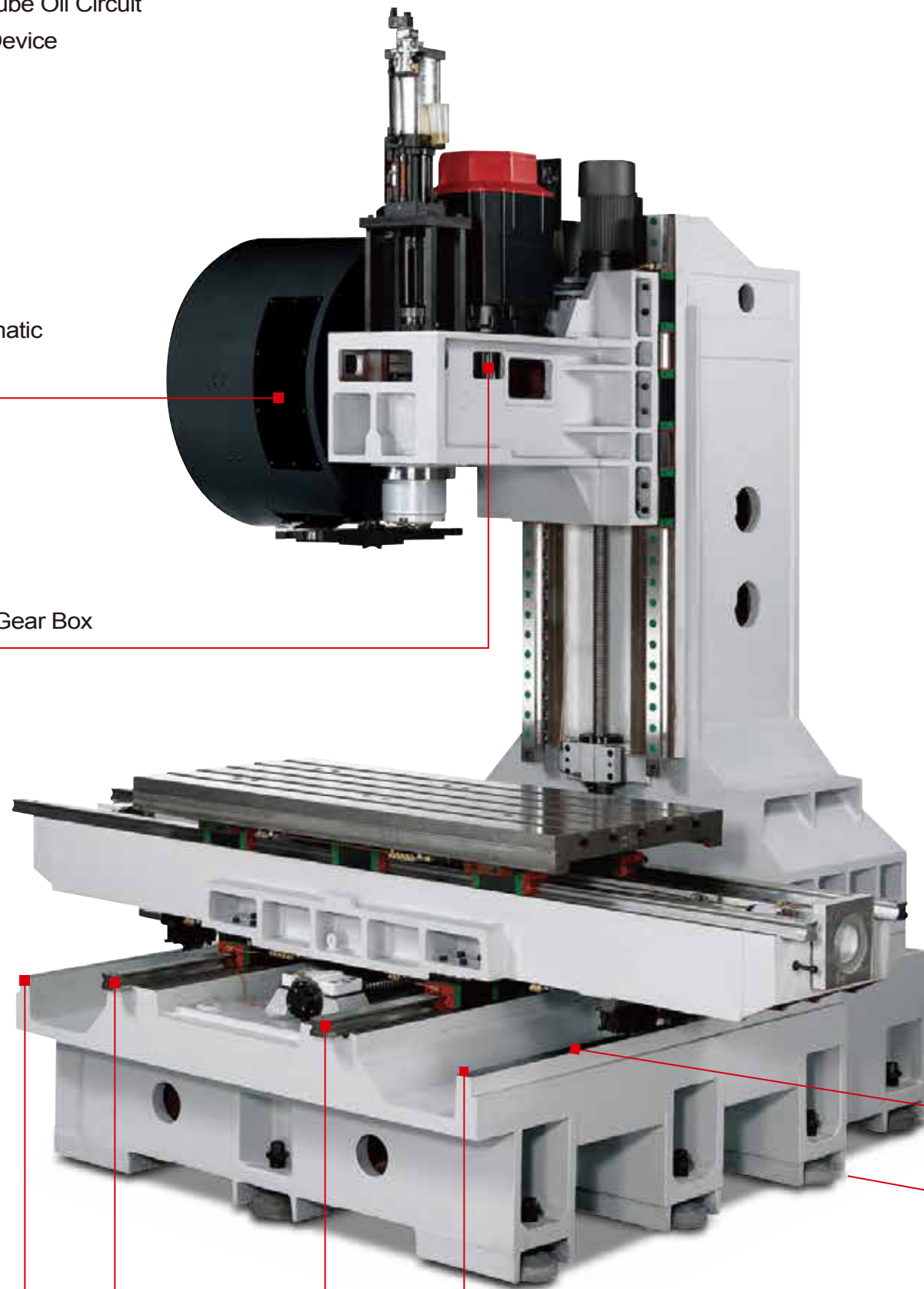
Y Axis Travel 700mm
For Large Workpiece
Machining Options

700mm



Increased Precision & Stability

4 Roller Linear Guideways on Y Axis



- Low Speed High Torque Wide Range Spindle Motor
- Z Axis Used Servo Motor Brake System & Two Cylinders For Counter Balance For High Performance
- 2000 Models Use NSK Roller Type Slide Blocks On Y Axis For Increased Machine Stability & Precision
- Movable Control Panel For Easy Operation, Workpiece / Tool Adjustment

Large Diameter $\varnothing$ 63 mm C3 Ball Screw on X/Y/Z Axes

Spindle Transmission Options, Belt Type, Direct Type, Gear Type

X/Y/Z Axes Use Heavy Loading 55mm 6 x 8 x 6 Slide Blocks & Cross Roller Type Linear Guideways Delivers High Performance During 3 Axis Movement

Faster Cycle Times

X/Y/Z Axes Rapid Traverse 24/24/20 m/min

Extra Large Y Axis Travel 1000 mm For Large Workpiece Machining Options

1000mm

Material: NAK 80

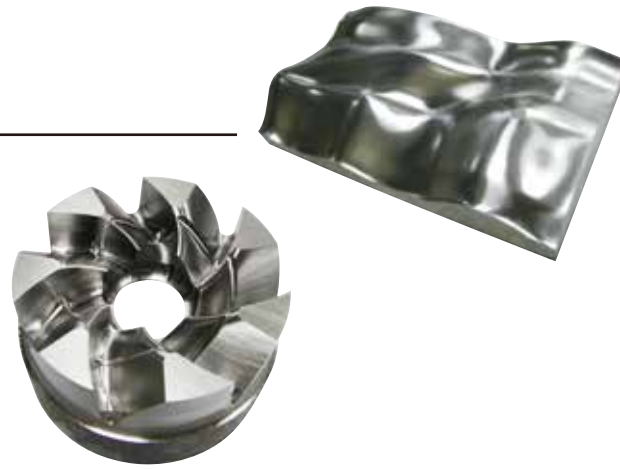
Machining Program: Fan Mold

Tool: $\phi 10R2$, $\phi 3R3$, $\phi 4R3$

RPM: 4800, 9000, 15000

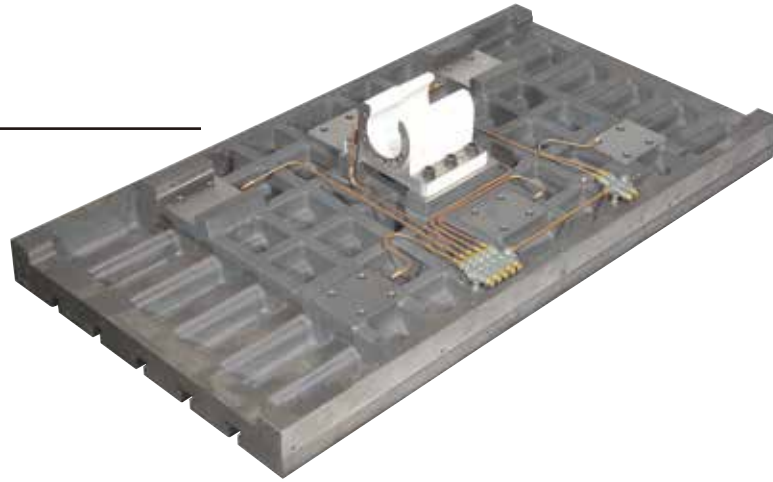
mm/min: F3000, F3000, F2500

Machining Time: 32, 38, 70 min



Reservoir Type Lubricator

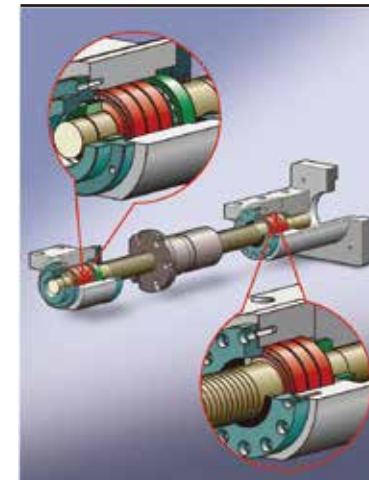
Bronze Tube Oil Circuit



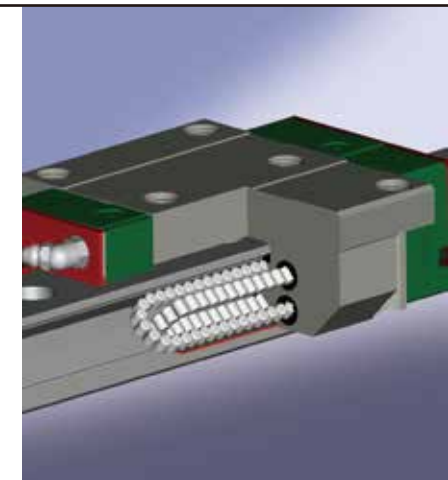
4 Way Swiveling Control Box



Direct Type Spindle Motor Cooling Device

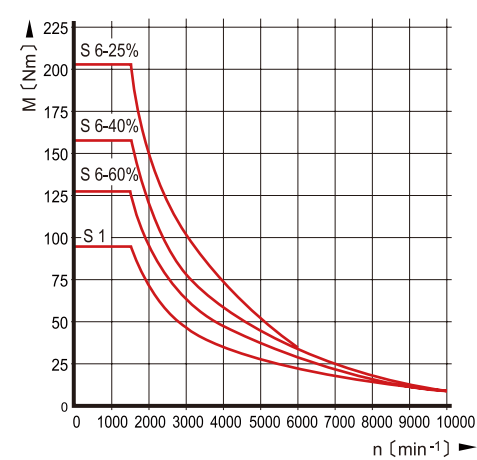


Enhanced Screw Pretension Design

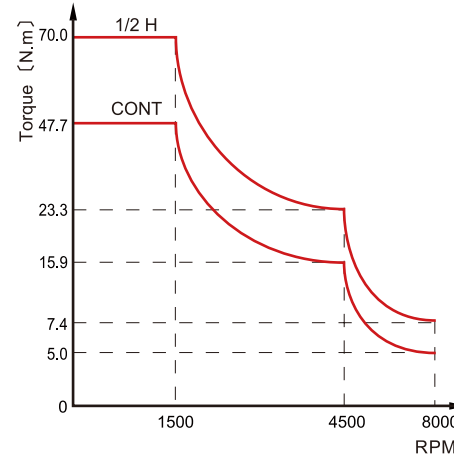


High Rigidity Roller Type Linear Guide

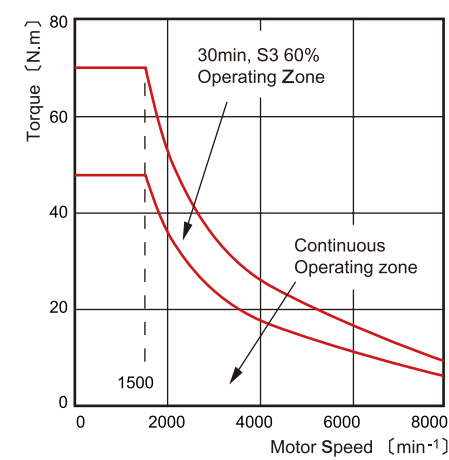
HEIDENHAIN QAN 260M Series
Torque Characteristic Curve



MISTUBISHI SJ-V11 Series

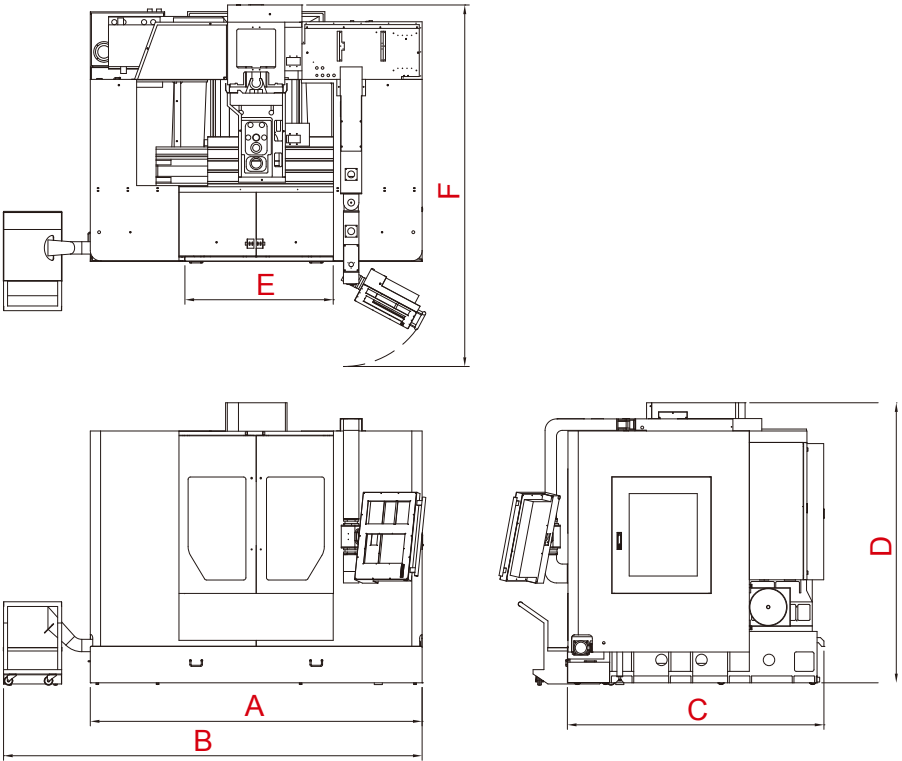


FANUC α Series



- Ball Bar Test
- Laser Calibration
- Spindle Dynamic Balance

VMC Series Specifications



Dimensions

	A	B	C	D	E	F
600	1900	2600	2410	Min 2150	Max 2800	760
860	2200	2960	2640	Min 2360	Max2910	860
1100	2900	3660	2240	Min 2360	Max2910	1230
1160	2900	3660	2240	Min 2430	Max3060	1190
1170	2900	3660	2270	Min 2425	Max3070	1190
1250	3200	3960	2270	Min 2425	Max3070	1380
1400/1500	3600	4360	2270	Min 2425	Max3070	1530
1670	3960	4720	2270	Min 2425	Max3070	1720
1676	3800	4560	2800	Min 2490	Max3190	1600
1876	4120	4880	2800	Min 2490	Max3190	2000
2076	4640	5400	2800	Min 2490	Max3190	2000
1600	3850	4650	3660	Min 2630	Max3430	1660
1800	4210	4970	3660	Min 2630	Max3430	1840
2000	4680	5440	3660	Min 2630	Max3430	2040

Standard Accessories:

- Arm Type Automatic Tool Changer (24 Tools)
- Fully Enclosed Guard
- Swiveling Control Box
- Work Light & Alarm Light
- Volumetric Type Automatic Lubricator
- Coolant & Chip Flushing System
- Auto Power Off
- Rigid Tapping
- Tool Box
- Leveling Screws & Blocks
- Operation Manual
- Mechanical Oil Coolant Separator
- Spindle Coolant Ring
- Chip Auger

Optional Accessories:

- Air Gun
- Coolant Gun
- Coolant Through Spindle (CTS)
- Transformer
- Chip Conveyor
- Linear Scale
- Auto Tool Length Measurement System
- Auto Workpiece Measurement System
- Air Conditioner

VMC (PM/DM/GM) -	
Table	
Table Size	mm
Working Area	mm
T-Slot	mm
Max Table Loading Capacity	kgs
Travel	
X/Y/Z Axis Travel	mm
Spindle Nose To Table Surface	mm
Spindle	
Spindle Taper	rpm
Spindle Speed	
Transmission Method	kw
Spindle Motor	
ATC	
Magazine Capacity	tools
Tool Selection Method	
Max Diameter / W / O Adjacent	mm
Max Tool Weight / Length	kgs/mm
Tool Shank Specification	
Tool Change Time	sec
3 Axis Traverse	
3 Axis Cutting Feedrate	mm/min
3 Axis Rapid Traverse	m/min
Drive Motors	
Chip Auger Motor	hp
Chip Conveyor Motor	hp
Coolant Pump Motor	hp
Chip Flushing Pump Motor	hp
Coolant Tank	
Coolant Tank Capacity	ℓ
Coolant Flow	ℓ/min
Others	
Machine size (L x W x H)	mm
Net Weight / Gross Weight	kgs
▪ Description in () are optional accessories	

600	860	1100	1160(1170)	1250 (1350)	1400 (1500)	1670	1600(1676)	1800(1876)	2000(2076)
650 x 500	910 x 560	1100 x 560	1160 x 600(700)	1350 x 600	1500 x 600	1700 x 700	1700 x 1000(760)	1900 x 1000(760)	2100 x 1000(760)
610 x 500	860 x 600	1100 x 600	1100 x 600(1150x700)	1250(1350) x 700	1400(1500) x 700	1600 x 700	1600 x 1000(760)	1800 x 1000(760)	2000 x 1000(760)
18 x 5 x 100	18 x 5 x 100	18 x 5 x 100	18 x 5 x 100(125)	18 x 5 x 100	18 x 5 x 100	18 x 5 x 125	18 x 7 x 125(100)	18 x 7 x 125(100)	18 x 7 x 125(100)
300	800	900	1000	1200	1500	1500	2200(1800)	2500(2100)	3000(2400)
610/500/500	860/600/600	1100/600/600	1100/600/600 (1150/700/650)	1250(1350)/700/600(640)	1400(1500)/700/600(640)	1600/700/600(640)	1600/1000(760)/800(700)	1800/1000(760)/800(700)	2000/1000(760)/800(700)
90~590	120~720	120~720	120~720(110~760)	120~720 (760)	120~720 (760)	120~720 (760)	200~1000(140~840)	200~1000(140~840)	200~1000(140~840)
ISO-40	ISO-40 (ISO-50)						ISO-50 (ISO-40)(ISO-40 (ISO-50))		
10000 (12000, 15000)	8000 (10000, 12000, 15000) (ISO50:6000,8000,10000)						ISO50 6000 (ISO40 8000) (ISO40:8,000, 10,000, 12000, 15000, ISO50:6000, 8000,10000)		
Belt (Direct)	Belt (Direct, Gearbox)						Belt (Gear, Direct, Gearbox)		
5.5/7.5 (7.5/11)	7.5/11 (11/15, 15/18.5)						15/18.5 (18.5/22)(11/15(15/18.5))		
24 (30)	24 (30, 36) (ISO50: 20,24)		24 (30, 36, 40) (ISO50: 20, 24)				ISO50 20 (ISO40 24) (ISO40:24, 30,36,40, ISO50:20, 24)		
Random	Random						Random		
ø75 / ø150	ø75 / ø150						ø105 / ø210 (ø75 / ø150)		
7 / 240	7 / 300 (ISO50: 15/350)						15/350 (ISO40: 7/300) (7/300 (ISO50: 15/350))		
ISO-40	ISO-40 (ISO-50)						ISO-50 (ISO-40) (ISO-40 (ISO-50))		
T-T 2.5; C-C 4.8	T-T 2.5; C-C 4.8						T-T 3.5; C-C 7(T-T 2.5; C-C 4.8)		
12000	12000						10000		
36/36/36	30/30/24 (36/36/30, 48/48/36)			24 (30/30/24)			20/20/15 (24/24/20)		
1/4	1/4						1/4		
1/4	1/4						1/4		
3/4	3/4						3/4		
1/2 (3/4)	1/2 (3/4)						1/2 (3/4)		
180	350	400	400	400	500	520	600(480)	700(500)	750(520)
200	200	200	200	200	200	200	200	200	200
2600 x 3360 x 2800	2960 x 3570 x 3110	3660 x 3160 x 3110	3660 x 3300 x 3080	3960 x 3400 x 3080	4360 x 3400 x 3080	4720 x 3400 x 3080	4610 x 4750(3470) x 3470(3190)	4970 x 4750(3470) x 3470(3190)	5440 x 4750(3470) x 3470(3190)
4300/4500	6000/6600	6400/6900	7300/7800	7400/7900	8100/8700	8300/8800	17000/20000(8700/9300)	18000/21000(9100/9700)	20000/23000(10000/10600)
We reserve the right to modify the design and specification without notice in advance.									
Above specifications are for reference only. Correct specifications are based on actual machine.									