

VMT-X200/X260 Multi-Tasking Milling & Turning Center

- Y-axis travel 260 mm (10.2")
- Max. turning dimension Ø500 x 1075 mm (Ø19.6" x 42.3")
- Roller geared B-axis swivel head for high rotating speed with high rigidity
- Turning spindle with 8" chuck for X200, 10" chuck for X260
- Milling spindle 12000 rpm / HSK-T63 implements 4+1 axis machining in one set up

Capacity (X/Y/Z)

Travels

- 635 / 260 / 1170 mm
25" / 10.2" / 46"

Rapid feeds

- 36 / 36 / 36 m/min
1417 / 1417 / 1417 IPM

C-axis & Turning Spindle

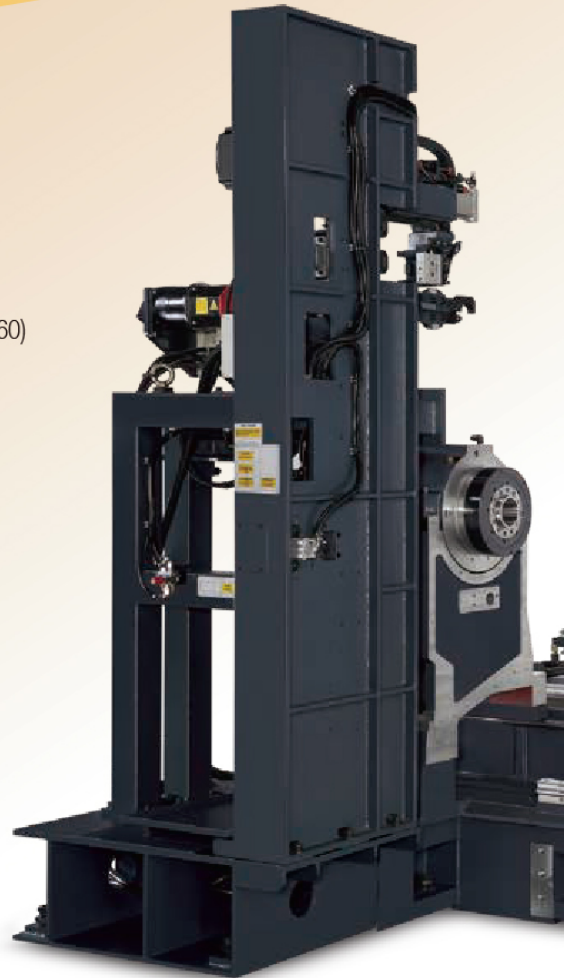
- 8" chuck / 4200 rpm (X200)
- 15 kW (twin spindles)
- Bar capacity 52 mm (opt. 66 mm)
- 10" chuck / 3500 rpm (X260)
- 22 kW + 15 kW (subspindle, 8" chuck)
- Bar capacity 75 mm (subspindle: 66 mm)

ATC-40 tools

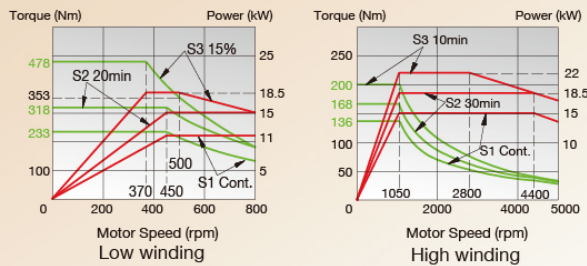
- 3.3 sec. (Tool-Tool)
- 7.5 sec. (Chip-Chip)

Roller type guideways

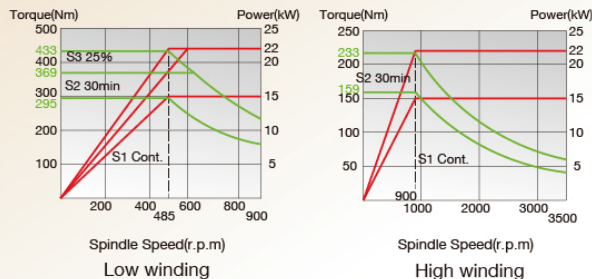
- 45 / 45 / 45 mm
1.8" / 1.8" / 1.8"



S1 Continuous operating zone
S2 30min operating zone
S3 15% operating zone



Fanuc Bil 180M/6000 (X200)



Fanuc Bil 200M/6000 (X260)

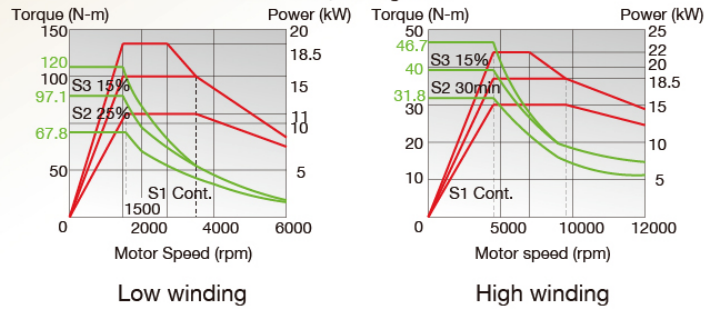


B-axis & Milling Spindle

- Roller cam mechanism
- 15 degree indexing for milling spindle (ready for multi-taking flash tool)
- 12000 rpm grease lubricated spindle for HSK-T63 tooling
- 22 kW (30 HP) (S3-25%)



S1 Continuous operating zone
S2 30min operating zone



Fanuc Bil 132S/15000

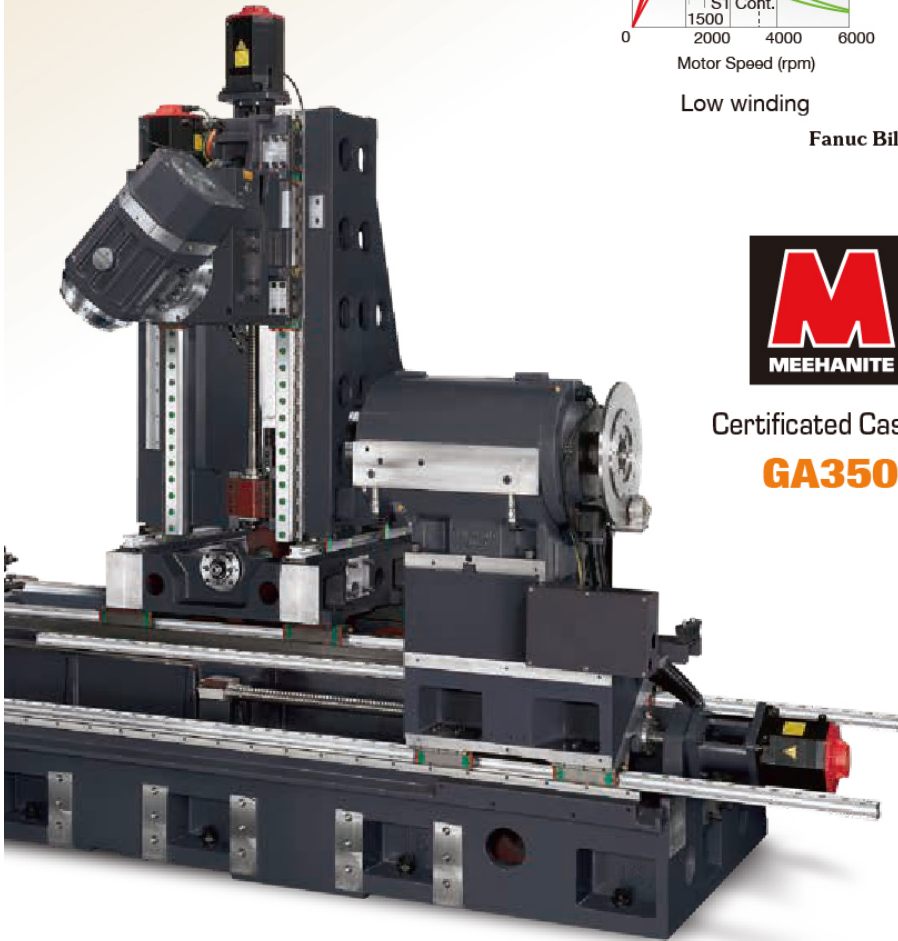


Certificated Casting

GA350

Digital Tailstock

- E-axis servo driven
- MT-5 with built-in bearings
- Available with the right spindle (optional)



VMT-X360/X400 Multi-tasking Milling & Turning Center

- Y-axis travel 420 mm (16.5")
- Max. turning dimension Ø720 x 2100 mm (Ø28.3" x 82.6")
- Roller geared B-axis swivel head for high rotating speed with high rigidity
- Turning spindle with 12" chuck for X360, 15" chuck for X400
- Milling spindle 12000 rpm / HSK-T63 implements 4+1 axis machining in one set up

Capacity (X/Y/Z)

Travels

- 840 / 420 / 2100 mm
- 33" / 16.5" / 82.6"

ATC-60 tools

- 3.3 sec. (Tool-Tool)
- 8.5 sec. (Chip-Chip)

Rapid feeds

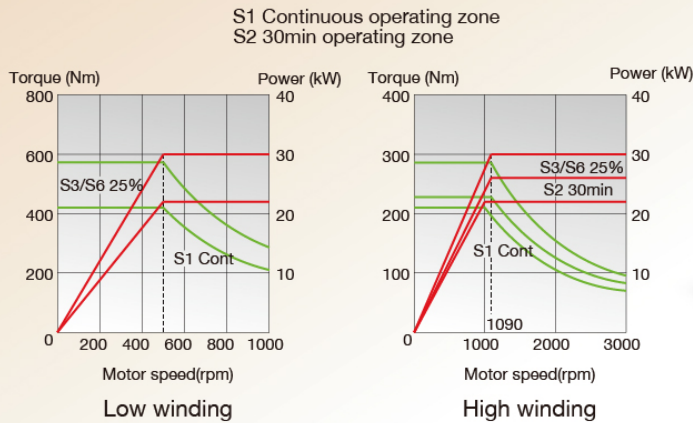
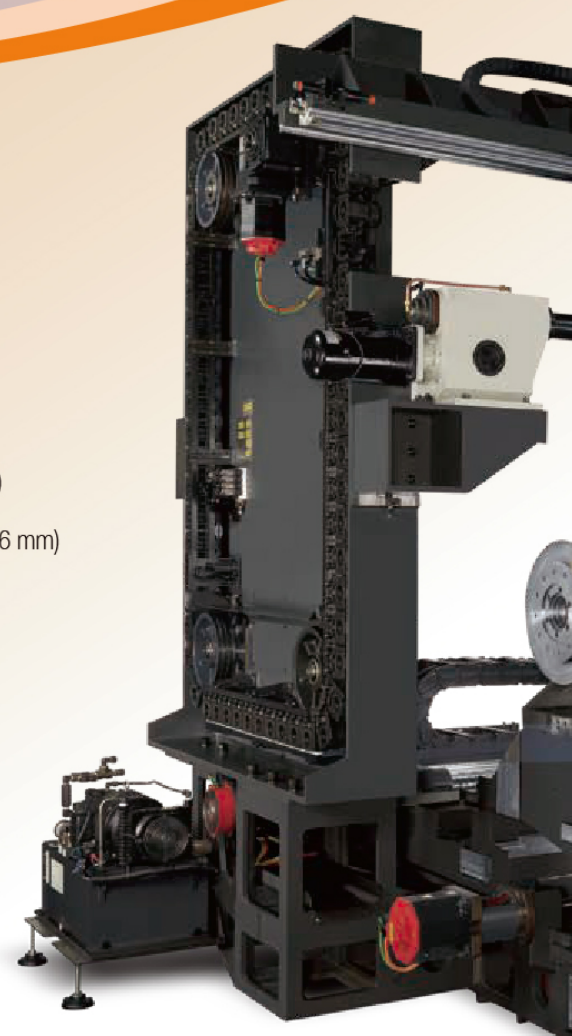
- 36 / 36 / 36 m/min
- 14717 / 1417 / 1417 IPM

Roller type guideways

- 55 / 45 / 55 mm
- 2.2" / 1.8" / 2.2"

C-axis & Turning Spindle

- 12" chuck / 3000 rpm (X360)
- 30 kW (twin spindles)
- Bar capacity 91 mm (opt. 106 mm)
- 15" chuck / 2500 rpm (X400)
- 30 kW (twin spindles)
- Bar capacity 91 mm (opt. 106 mm)

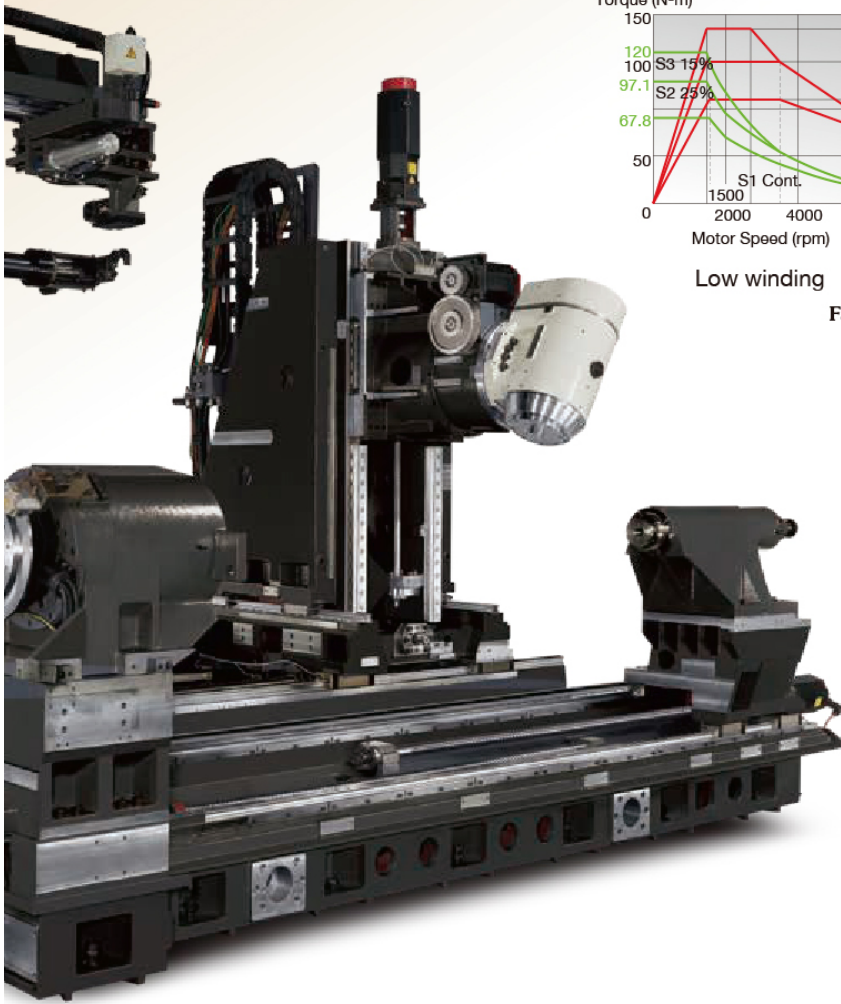


Fanuc Bil 250S

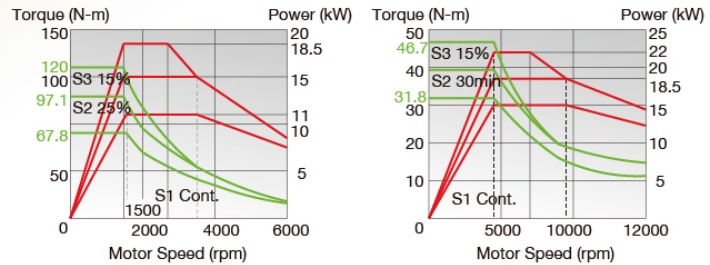


B-axis & Milling Spindle

- Roller cam mechanism
- 15 degree indexing for milling spindle (ready for multi-taking flash tool)
- 12000 rpm grease lubricated spindle for HSK-T63 tooling
- 22 kW (30 HP, S3-25%)



S1 Continuous operating zone
S2 30min operating zone



Low winding

High winding

Fanuc Bil 132S/15000



Certificated Casting

GA350

Digital Tailstock

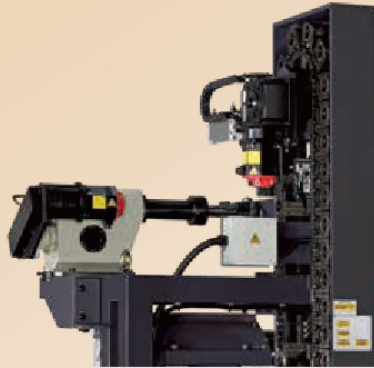
- E-axis servo driven
- MT-5 with built-in bearings
- Available with the right spindle (optional) with the same output as the left spindle

Standard accessories

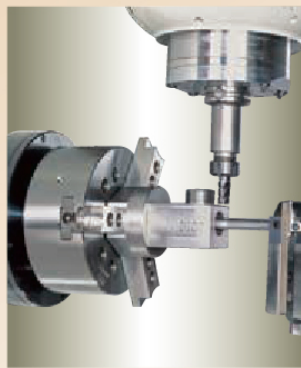
Fanuc Oi-TF Plus (15", type-O) control with Touch Panel + MGI + AICC (40 blocks) + Victor's GUI + Fanuc's GUI (iHMI)



Victor's GUI with guidance



ATC (Auto Tool Changer)



Hydraulic chuck



Chip conveyor



Lube Hybrid Lubrication



ATP



Optional accessories



Fanuc iHMI



Hydraulic steady rest



Extra CTS tank with 14~70 bar coolants and filtration system



Subspindle



Machine Specification

Items	Unit	VMT-X200 VMT-X260	VMT-X360 VMT-X400	
Capacity	Swing over bed	mm	660	1120
	Between centers	mm	1376	2148
	Max. turning length	mm	1075	2100
Travels	Max. turning diameter	mm	500 (tool length 70)	720 (tool length 70)
	X1-axis (upper tool spindle)	mm	635 (+510 / -125)	840 (+715 / -125)
	Z1-axis (upper tool spindle)	mm	1170 (95 + 1075)	2230 (130 + 2100)
	Y-axis (upper tool spindle only)	mm	260 (± 130)	420 (± 210)
	B-axis	deg.	240 (-30~+ 210)	240 (-30~+210)
Axis feed	E-axis (tailstock / sub-spindle)	mm	1080	1960
	X1 / Z1 / Y / E / B-axis feed	m/min	36 / 36 / 36 / 24 / (30 rpm)	36 / 36 / 36 / 24 / (30 rpm)
	X1 / Z1 / Y / E / B-axis motor power	kW	5.5 / 7 / 4 / 2.5 / 3	9 / 9 / 7 / 2.5 / 4
Main spindle	Ball screw dia. x pitch	mm	X1: 40 x P10, Z1/Y/E: 40 x P12	X1/Y: 45 x P16, Z1: 55 x P20, E: 45 x P16
	1 st spindle nose (chuck)	inch	A2-6 (8") A2-8 (10")	A2-11 (12") A2-11 (15", opt. 18")
	1 st spindle speed	rpm	4200 (opt. 5000) 3500	3000 2500
	1 st spindle motor power (cont. / 30 min / 15%)	kW	15 / 18.5 / 22 (high winding) 15 / 22 / - (high winding)	22 / 26 / 30 (high winding)
	Spindle bore	mm	76 86	116
	Bearing inside diameter	mm	110 130	160
Subspindle	Bar capacity	mm	52 (opt. 66) 75 (opt. 77)	91 (opt. 106)
	2 nd spindle nose (chuck)	inch	A2-6 (8") A2-6 (8")	A2-11 (12") A2-11 (15", opt. 18")
	2 nd spindle speed	rpm	4200 (opt. 5000) 4000	3000 2500
	2 nd spindle motor power (cont. / 30 min / 15%)	kW	15 / 18.5 / 22 (high winding) 62 (opt. 76)	22 / 26 / 30 (high winding)
	Spindle bore	mm	76	116
	Bearing inside diameter	mm	100 (opt. 110) 110	160
Upper milling spindle (B-axis milling head)	Bar capacity	mm	52 (opt. 66) 66	91 (opt. 106)
	Turret type	rpm	Milling head with ATC	Milling head with ATC
	Continuous indexing resolution	deg.	0.001 (by roller gear)	0.001 (by roller gear)
	Max. speed	rpm	12000	12000
	Milling motor power (cont. / 30min / 25%)	kW	15 / 18.5 / 22 (high winding)	15 / 18.5 / 22 (high winding)
ATC & tool magazine	Tool specification	-	HSK-T63	HSK-T63
	Tool capacity	-	40 (opt. 48, 60)	60
	Tool selection	-	Fixed tool pot number	Fixed tool pot number
	Max. tool diameter (w/t adjacent tool)	mm	90 (125)	100 (150)
	Max. tool length	mm	300	400
	Max. tool weight	kg	7	7
Tailstock	Tool exchange time	sec.	3.3 (T-T), 7.5 (C-C)	3.3 (T-T), 8.5 (C-C)
	Quill diameter	mm	NA (digital)	NA (digital)
	Quill stroke	mm	NA (digital)	NA (digital)
Machine	Quill taper		MT-5 (live)	MT-5 (live)
	Controller	Fanuc	0i-TF Plus (15", type 0)	0i-TF Plus (15", type 0)
	Tank capacity	L.	300	750
	Floor requirement (incl. chip conveyor)	mm	5437 x 3034 x 2906	7945 x 3316 x 3320
	Power requirement	kVA	57 (74)	66 (90)
Machine	Net weight	kg	12000 12500	23500 23600

Standard accessories

- Fanuc 0i-TF PLUS (15", type 0) control with iHMI + AICC + MGI
- Hydraulic chuck with soft jaws
- Chip conveyor with cart
- Automatic Tool Presetter (ATP by Renishaw®) for milling spindle
- Coolant flush to the bottom of Z-axis covers
- Coolants through milling spindle for high pressure turning (7 bars/60Hz)
- Digital tailstock
- LHL (Lube Hybrid Lubrication) system
- Spindle oil cooler
- Fully enclosed splash guarding
- Hand-wheel (Pulse generator)
- 3 step warning light
- Handy air gun

Optional accessories

- Subspindle
- KITAGAWA® hydraulic chuck
- Hard jaws
- Coolant Through Spindle (CTS)
- Steady rest
- High pressure coolants
- Bar feeder interface
- Part catcher (X200/X260)
- Hand-wheel (remote MPG)
- Air blow system
- Auto door
- Fanuc manuals
- Fanuc 31i-B5 Plus control for 5-axis simultaneous machining
- Test bar for accuracy calibration
- Coolant gun

VICTOR Taichung's FANUC Oi-TF Plus (15", Type-0) Control Specification



STANDARD:

ITEM	SPECIFICATION	DESCRIPTION
Control System:		
1.	Controlled axes	6 Axes (X, Z, C, Y, B, E)
2.	Simultaneous controlled axes	4 Axes
3.	Least input increment	0.001mm
4.	Least command increment	0.0005mm (X) / 0.001mm (Z, C, Y, B, E)
5.	Command system	Incremental / Absolute
6.	HRV Control	HRV3+
7.	Unexpected disturbance torque detection (AIR-BAG)	Std.
8.	Backlash compensation	Std.
9.	Stored pitch error compensation	Std.

Operation & Program Input:		
1.	Input / Output interface	RS-232, PCMCIA Card, USB
2.	Tool offset	128 sets
3.	Sequence number	N5-Digit
4.	Program number	O8-Digit
5.	Program name	31-characters
6.	M code function	M3-digit
7.	S code function	S5-digit
8.	T code function	T2-digit
9.	Positioning	G00
10.	Linear interpolation	G01
11.	Circular interpolation	G02, G03
12.	Programmable data input	G10

Feed Function:		
1.	Manual handle feed rate	X1, X10, X100
2.	Rapid traverse rate	F0, 25%, 50%, 100%
3.	Cutting feed rate	0-150%
4.	Spindle override	50-120%
5.	Feed per Minute / Revolution	G98 / G99

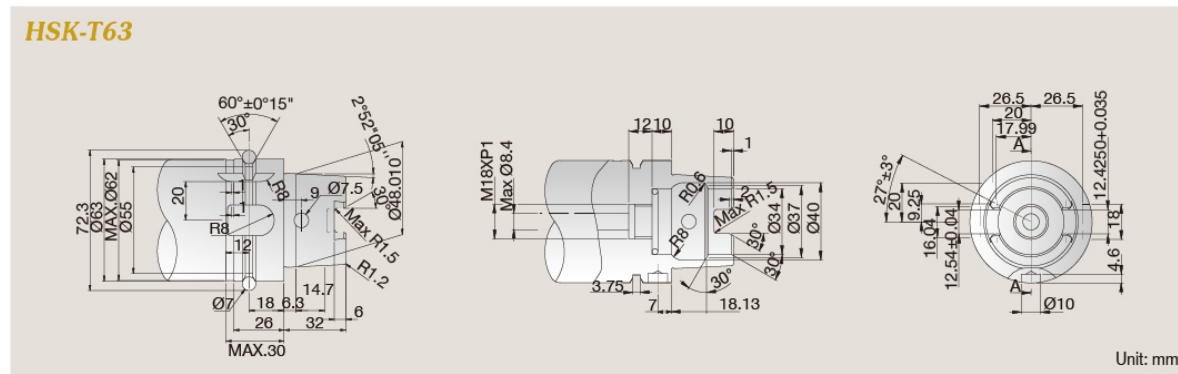
Edit Operation:		
1.	Part Program Storage Length (in total)	5120m / 2MB
2.	Number of Registerable programs (in total)	1000
3.	Part Program Editing	Std.
4.	Memory card program (1000 programs)	Std.

OPTIONS:

ITEM	SPECIFICATION	DESCRIPTION
With hardware included:		
1.	Tool life management	<input type="checkbox"/>
2.	Program restart	<input type="checkbox"/>
3.	Data server (with PCB and CF card 1GB)	<input type="checkbox"/>
4.	Ethernet/IP (to be linked to robot)	<input type="checkbox"/>
5.	PROFIBUS-DP (to be linked to robot)	<input type="checkbox"/>
6.	CC-Link (to be linked to robot)	<input type="checkbox"/>
7.	Fast Ethernet (required for SCADA Web with additional RJ45 port)	<input type="checkbox"/>

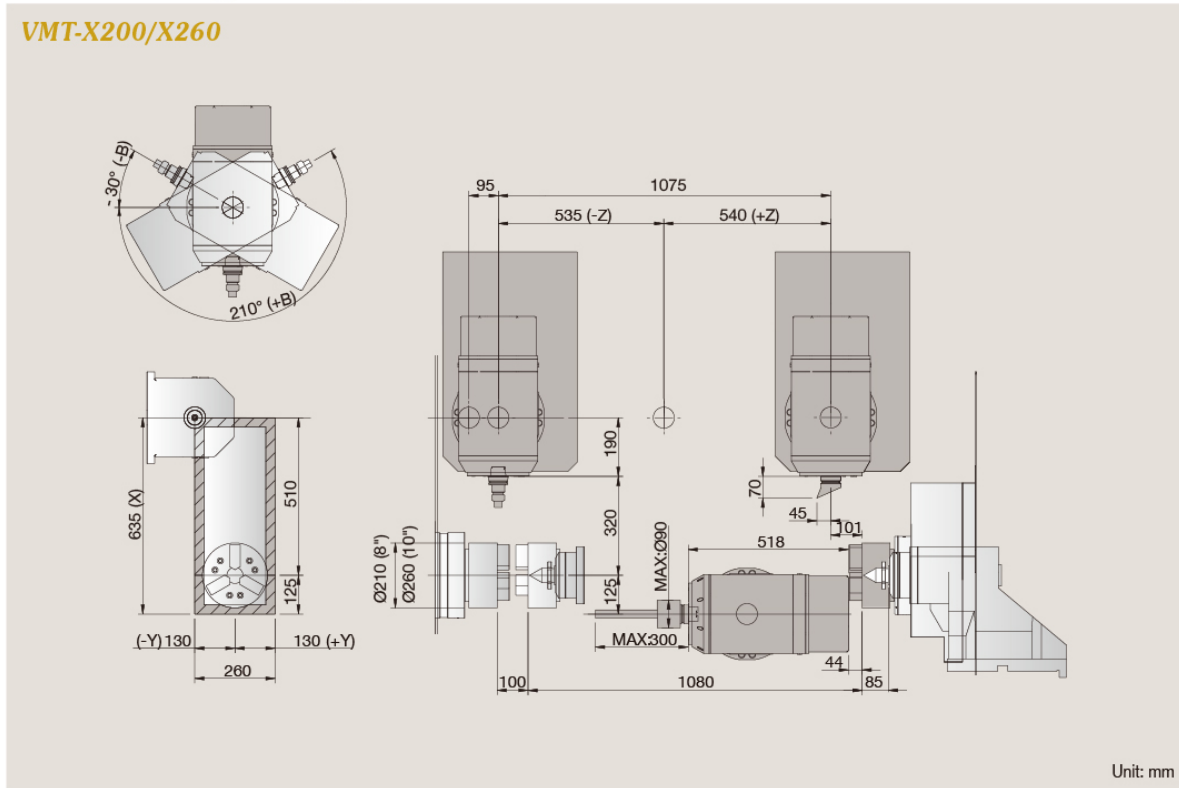
Without hardware included:		
8.	Circular thread cutting	<input type="checkbox"/>
9.	AICC-2 (G5.1 Q1, 200 blocks)	<input type="checkbox"/>
10.	Helical interpolation	<input type="checkbox"/>
11.	Arbitrary speed threading	<input type="checkbox"/>
12.	Hob machining package	<input type="checkbox"/>

Tool Shank

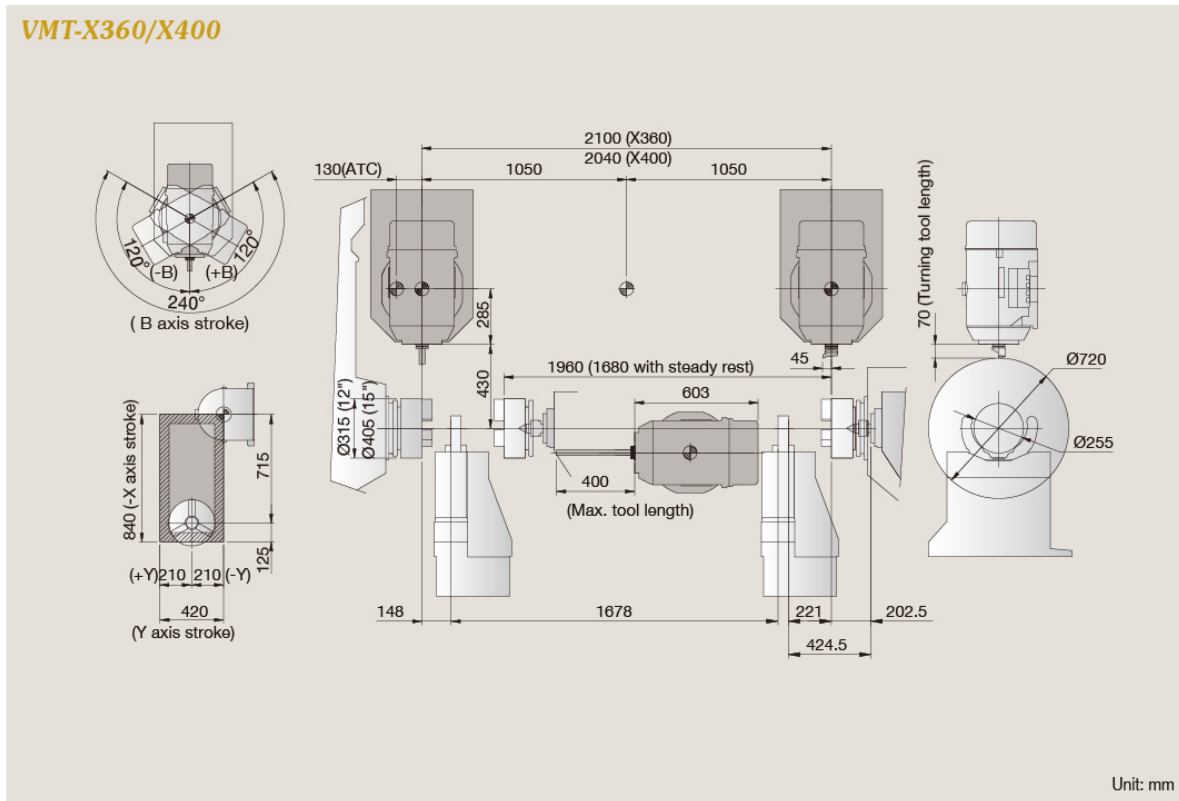


Machining Range

VMT-X200/X260



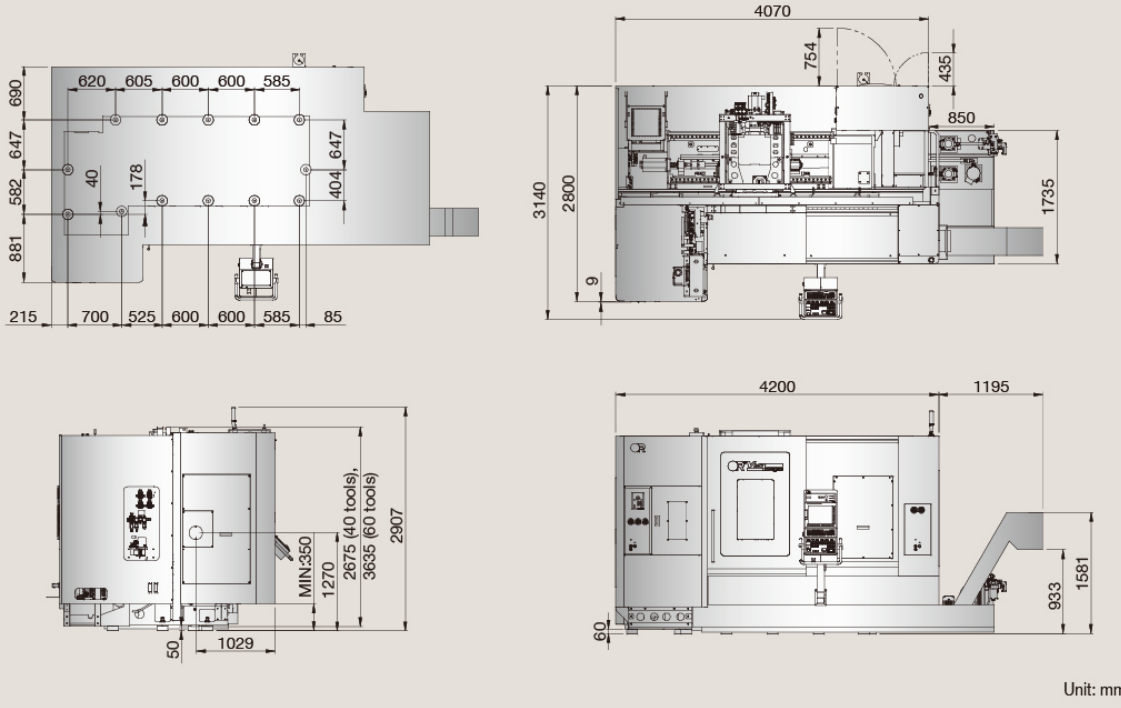
VMT-X360/X400



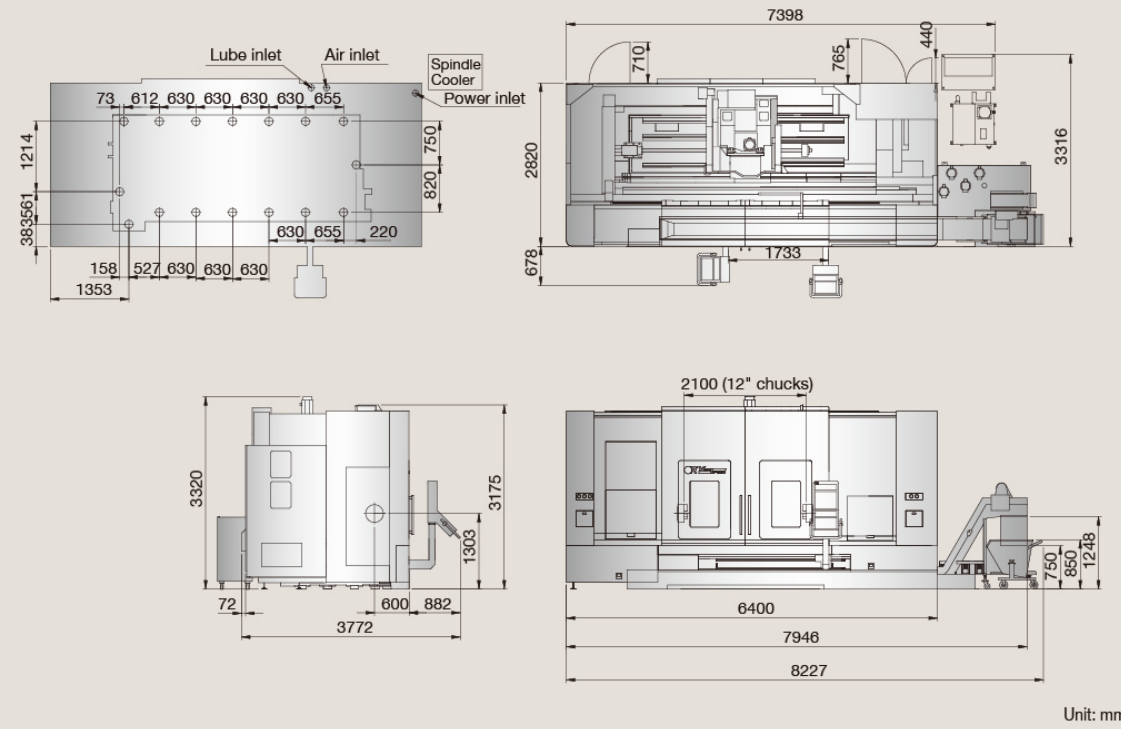
Machine Layout



VMT-X200/X260



VMT-X360/X400



Worldwide Subsidiaries



ONWARD RISE

To ensure the return on investment, Victor Taichung has invested considerably in setting up a distribution network in terms of global vision local touch for our sales and service supports worldwide. Besides the qualified exclusive agents around the world, Victor Taichung has 7 overseas subsidiaries to provide our customers efficient after-sales service and technical supports.



 **VICTOR TAICHUNG** profile:
 Sales turnover: USD 207 mil's (in 2021)*
 No. of employees: 778
 *Exchange rate: 1 USD=28 TWD.



THE VICTOR-TAICHUNG COMPANIES



TAIWAN
<http://www.victortaichung.com>
 E-mail: info@mail.or.com.tw
 Victor Taichung Machinery Works Co., Ltd.
 No. 1, Jingke Central 2nd Rd.,
 Nantun Dist., Taichung 40852,
 TAIWAN, R.O.C.
 TEL : 886-4-23592101
 FAX : 886-4-23593389

FRANCE
 Victor France
 TEL : 33-1-64772000
 FAX : 33-1-64772063

GERMANY
 Victor GmbH
 TEL : 49-2261-478434
 FAX : 49-2261-478327

SOUTH AFRICA
 Victor Fortune (PTY) Ltd.
 TEL : 27-11-3923800
 FAX : 27-11-3923899

MALAYSIA
 Victor Machinery (M) SDN. BHD.
 TEL : 60-3-56337180
 FAX : 60-3-56337191

THAILAND
 Victor (Thailand) Co. Ltd.
 TEL : 66-2-9263735
 FAX : 66-2-9032373

INDONESIA
 PT. Victor Machinery Indonesia
 TEL : 62-21-88958504
 FAX : 62-21-88958513

USA
 Fortune International Inc.
 TEL : 1-732-2140700
 FAX : 1-732-2140701

CHINA
 Victor Taichung
 Machinery (Shanghai)
 TEL : 86-21-59768018
 FAX : 86-21-59768009

 was also marketed under the brand names **VICTOR** (outside North America) and **FORTUNE** GH1GE22EB

22011201/MaCiS.TEL:06-24733326

