

Art of Smooth Performance

VTURN S26

Strong
and
Steady
Turning
Center

- *Servo turret*
- *One-piece slant bed*
- *Box slideways*
- *High thrust force*
- *High Rapid feeds*
- *Rotary operation panel*



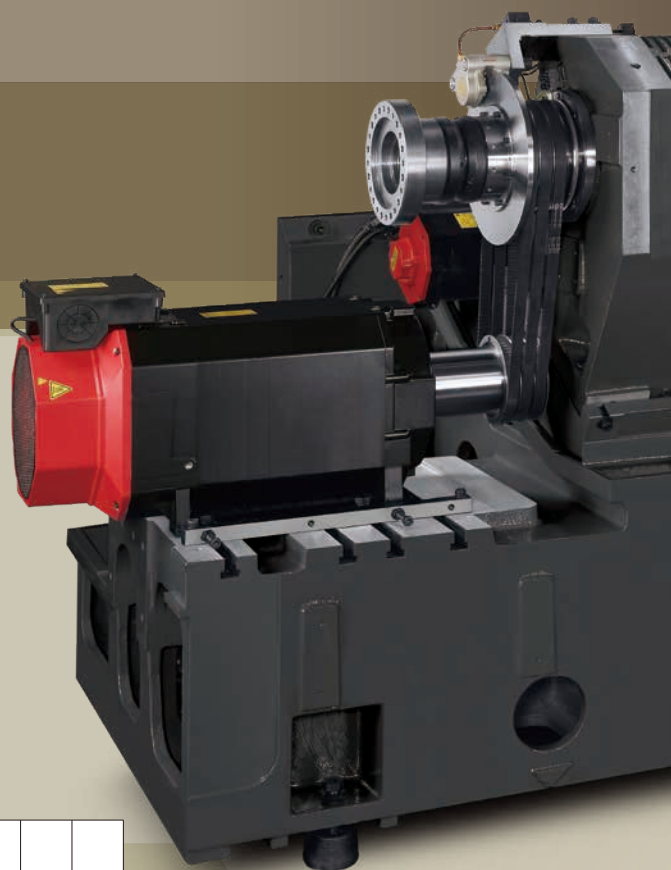
Victor Taichung – an established ISO 9001 & 14001 company



Smooth & Steady Performance

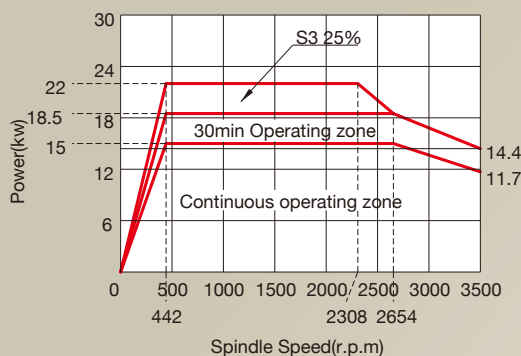
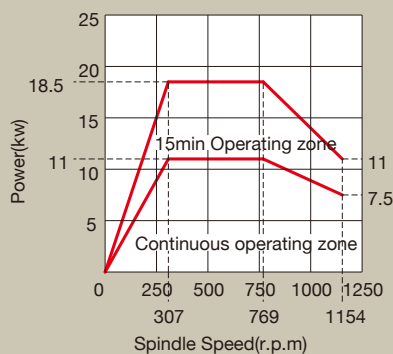
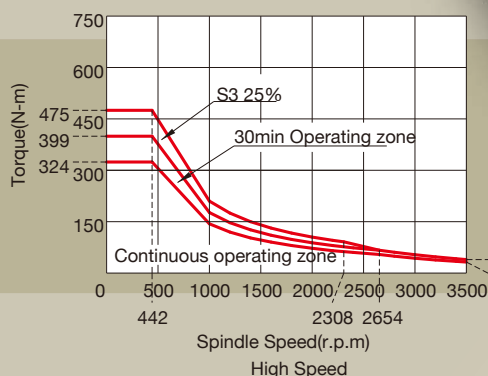
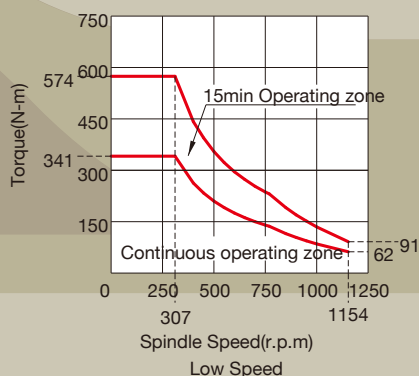
Vturn-S26 Turning center

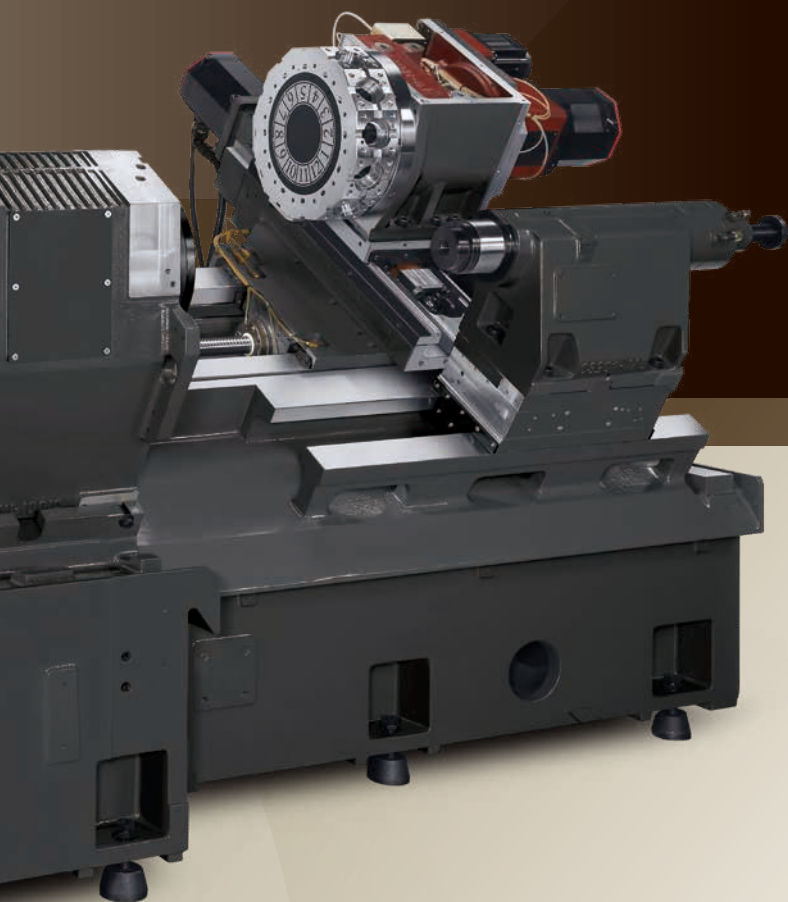
- One piece 30° slant bed
- Large swing diameter 600 mm
- 10" power chuck
- Z-axis travel 610 mm
- High thrust force 1441 kgf
- High rapid feed 18/24 m/min (X/Z)
- Machine weight 6130 kg
- C-axis available



Spindle 22kW (S3-25%)

- Spindle output 574 Nm (S3-25%)
- Low base speed 307 rpm only
- NN type (roller type) bearings
- Shortened belt length
- Victor Taichung's own spindle





Servo Turret 0.8 sec. (adjacent tools)

- Turret indexing time 0.8 sec (adj.), 1.0 (opposite)
- High thrust (Z-axis) 1441 kgf (14.1 kN)
- Milling turret BMT-65 (3-piece coupling)
- 12 stations live tools
- Milling power 4.5kW/4000rpm (opt. 6000rpm)
- Victor Taichung's own turret

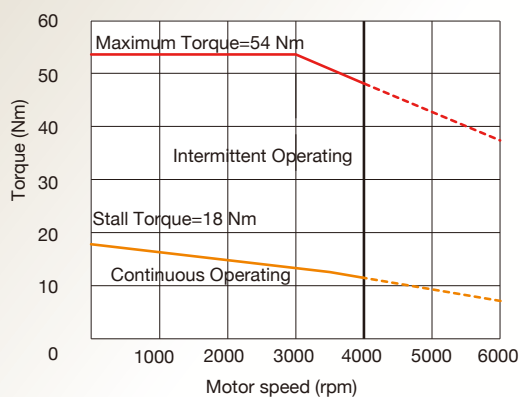


Certificated Casting

GM400
GA350

Boxways 64/80 mm (x/z)

- High rapid feeds 18/24 m/min
- Smooth operation guaranteed
- Victor Taichung's own casting



Fanuc α22is/6000 (4.5 kW)

Tailstock MT-5

- Twin cylinder clamping
- Tow along by turret
- Opt. MT-4 with built-in bearings

Standard and Options

- Fanuc Oi-TF (type-1) control with 8.4" screen
- Programmable tailstock (MT-5)
- Rotary operation panel
- Door moving along LM guideways
- Coolant flush onto Z-axis covers
- Built-in LED light
- Chip conveyor



Conveyor motor cover (opt.)

Chip conveyor (std.)



Coolant flush (std.)

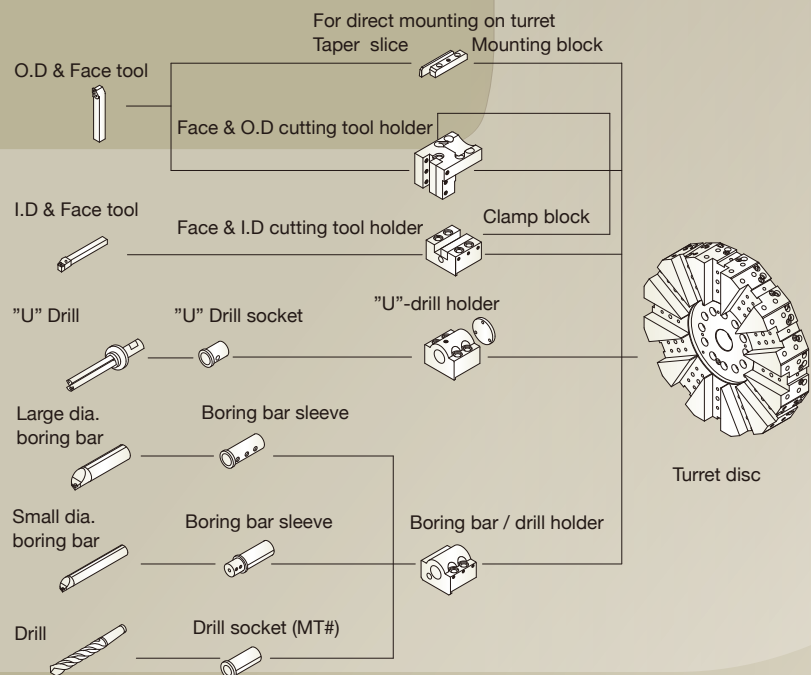


Tool presetter (opt.)



Tooling accessories (excl. BMT turret model)

TOOLS \ MODEL	Vturn-S26
Tool shank for turret disk	25 mm (1")
Maximum boring bar Dia,	50 mm (2")
Face + OD cutting tool holder	1
Face + ID. cutting tool holder	1
Boring bar holder	
40 mm (1 1/2")	7
50 mm (2")	-
Boring bar sleeve	
8 mm (5/16")	1
10 mm (3/8")	2
12 mm (1/2")	2
16mm (5/6")	2
20 mm (3/4")	2
25 mm (1")	2
32 mm (1 1/4")	2
Drill socket	
MT1	Opt.
MT2	1
MT3	1
MT4	1
U drill socket	
20 mm	Opt.
25 mm (1")	1
32 mm (1 1/4")	1





Transformer, A/C for cabinet (opt.)

10.4" / 15" screen with Manual Guide I (opt.)

Part catcher (opt.)

Oil skimmer (opt.)

BMT-65 turret (opt.)



C-axis Application

Vturn-S26CM with BMT-65 Milling Turret (Optional)

O.D. tool : ☐ 25 (1")



O.D. tool holder ☐ 25 (1")

Face & I.D. tool : ☐ 25 (1")



Face & I.D. tool holder ☐ 25 (1")

U-drill

I.D. ø32 (I.D. ø1-1/4")
I.D. ø25 (I.D. ø1")
I.D. ø20 (I.D. ø3/4")

U-drill socket

Boring bar
sleeve

Boring bar

I.D. ø32 (I.D. ø1-1/2")
I.D. ø25 (I.D. ø1")
I.D. ø20 (I.D. ø3/4")
I.D. ø16 (I.D. ø5/8")

Boring bar
sleeve

Boring bar

I.D. ø12 (I.D. ø1/2")
I.D. ø10 (I.D. ø3/8")
I.D. ø8 (I.D. ø5/16")

Drill socket

Drill



I.D. MT1# O.D. ø40
I.D. MT2# O.D. ø40 (I.D. MT2# O.D. ø1-1/2")
I.D. MT3# O.D. ø40 (I.D. MT3# O.D. ø1-1/2")

Drill socket

Drill/mill

DIN 6499
(ER32)
Collet



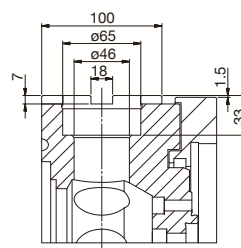
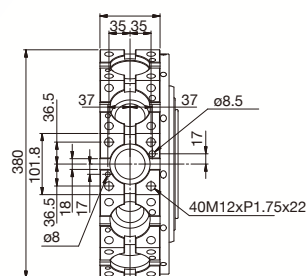
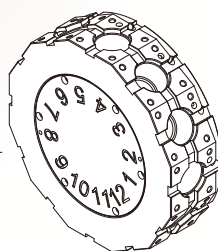
Boring bar/drill holder
I.D. ø40 (I.D. ø1-1/2")



Live tool holder (0°)



Live tool holder (90°)



VICTOR Taichung's FANUC Oi-TF 8.4" Control (Type I) Specifications

Standard

ITEM/SPECIFICATION

DESCRIPTION

Controlled Axes:

1. Controlled axes	2 Axes (X, Z)
2. Simultaneous controlled axes	2 Axes
3. Least input increment	0.001mm
4. Least command increment	0.0005mm (X) / 0.001mm (Z)
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	99 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	S4-digit
8. T code function	T4-digit
9. Positioning	G00
10. Linear interpolation	G01
11. Circular interpolation	G02, G03
12. Programmable data input	G10
13. Plane selection	G17~G19
14. Inch / Metric conversion	G20 / G21
15. Reference position return	G28, G30
16. Thread cutting	G32, G34
17. Threading retract	Std.
18. Tool nose radius compensation	G40~G42
19. Work piece coordinate system	G52~G59
20. Macro, Sub program call	G65, M98, M99 (10 folds nested)
21. Multiple repetitive cycle I & II	G70~G76
22. Canned cycle for drilling	G80~G89
23. Canned cycles	G90, G92, G94
24. Program stop / end	M00~M02 / M30
25. Rigid tapping (Spindle)	M29
26. Dynamic graphic display (for 8.4")	Std.
27. Manual Guide Oi (for 8.4")	Std.
28. Manual Guide I (for 10.4/15")	Opt.
29. Optional blocks skip 2-9	Std.

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)	1280m / 512kB (Oi / 32kB)
2. Number of Registerable programs (in total)	400
3. Part Program Editing	Std.

C Axis Function:

1. Polar coordinate interpolation	Std. (G112/G113)
2. Cylindrical interpolation	Std. (G107)
3. CS contouring control	Std.
4. Spindle control with servo motor	G96.4
5. Coordinate System Rotation	Std.

OPTIONS

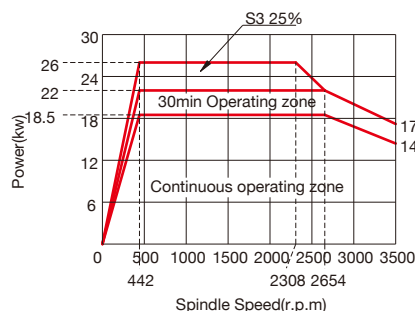
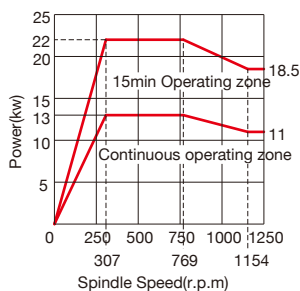
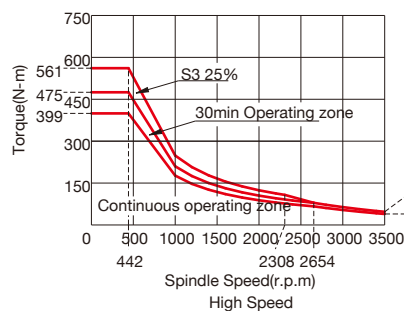
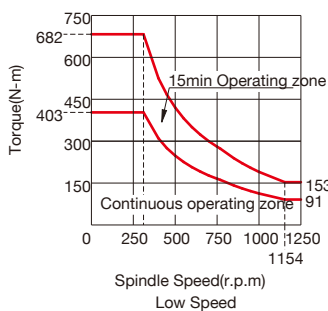
With hardware included

1. Tool life management	☐
2. Program restart	☐
3. Data server (with PCB and ATA card)	☐
4. Fast Ethernet (100Mbps, available in Data server)	☐
5. CC Link (required for robot)	☐
6. PROFIBUS slave	☐

Without hardware included

7. Part program storage length (5120m/2MB)	☐
8. Number of registerable programs 1000	☐
9. Circular thread cutting (G35,G36)	☐
10. AICC-1 (G5.1 Q1, 40 blocks)	☐
11. AICC-2 (G5.1 Q1, 200 blocks)	☐
12. Helical interpolation (C-axis only)	☐
13. Arbitrary speed threading	☐

Optional Spindle Output (18.5/22/26 KW, S3-25%)



Machine Color Option



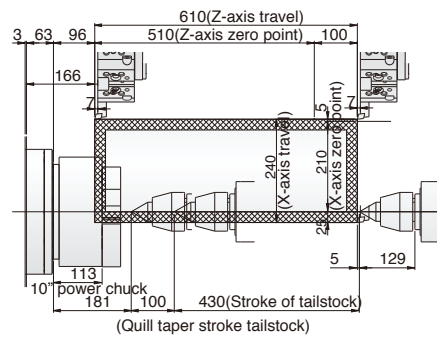
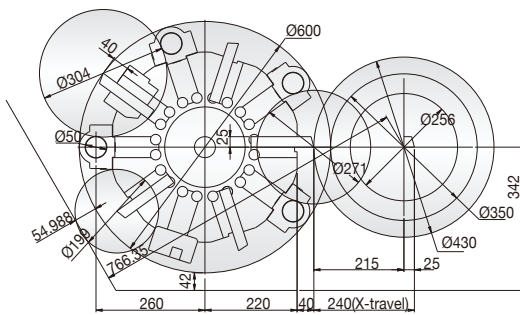
Standard



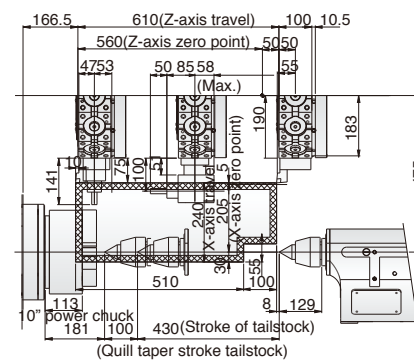
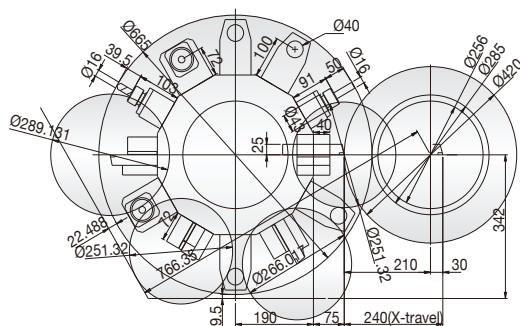
RAL-7024

Interference Chart / Operating Range

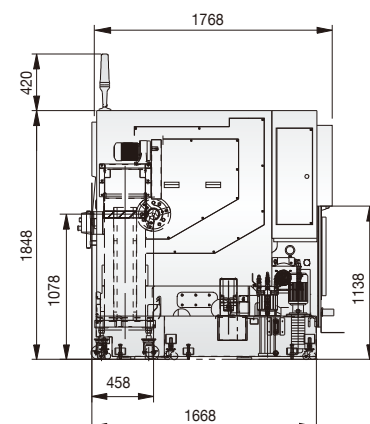
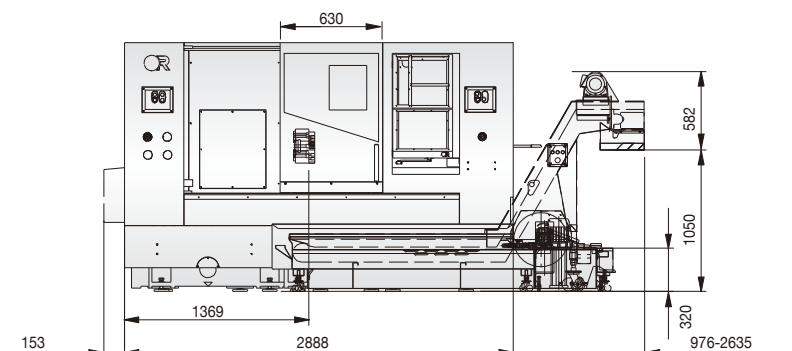
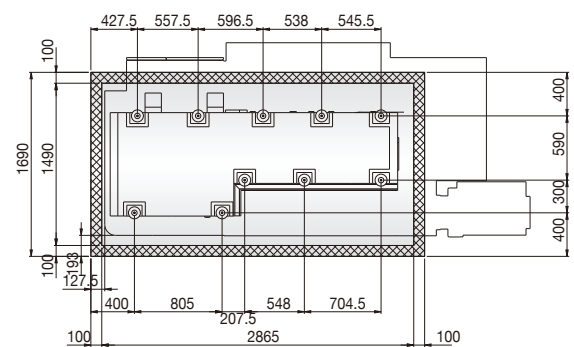
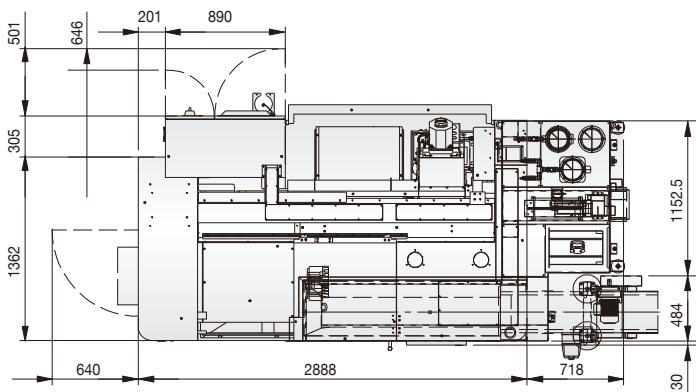
Vturn-S26



Vturn-S26CM



Machine Layout



Machine Specification

Item	Unit	Vturn-S26 (CM)
CAPACITY	Swing over bed dia.	mm
	Standard turning dia.	mm
	Maximum turning dia.	mm
	Swing over carriage dia.	mm
	Between centers	mm
	Bar capacity (Hole thru draw bar)	mm
AXIS FEEDS	X axis travel	mm
	Z axis travel	mm
	Rapid feed - X / Z axis	m/min
	Feed motor - X / Z axis	kW
	JOG feed	m/min
	Ball screw dia x pitch	mm
SPINDLE	Spindle speed	rpm
	Spindle nose (chuck)	inch
	Spindle motor power (cont./30min/25%)	kW
	Spindle bearing inside dia.	mm
	Spindle taper	
TURRET	No. of tools (live)	
	Tool shank size	mm
	Max. boring bar dia.	mm
	Exchange time (T-T)	sec
	Milling speed	rpm
	Milling motor	kW
TAILSTOCK	Tailstock quill dia.	mm
	Quill stroke	mm
	Quill taper	
CAPACITY	NC controller	Fanuc
	Coolant tank capacity	L
	Power requirement	kVA
	Machine dimension LxWxH (with chip conveyor)	mm
	Net weight	kgs

Standard Accessories:

- Fanuc Oi-TF(8.4") with Manual Guide Oi
- Hydraulic chuck with soft jaws
- Programmable tailstock
- Chip conveyor
- Fully enclosed splash guarding
- Hand wheel
- Tool holders (for standard turret only)
- Coolant flush on Z-axis cover
- 3 step warning light

Optional Accessories:

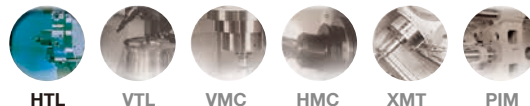
- Fanuc Oi-TF(10.4") with Manual Guide I (MGI)
- Manual tool presetter
- Auto tool presetter
- Parts catcher (swing type)
- KITAGAWA® power chuck
- Air conditioner for electrical cabinet (Panel cooler)
- 12" chuck (3000 rpm spindle)
- Higher pressure coolants
- Bar feeder interface
- Air blow
- Oil skimmer
- Oil mist collector
- Auto door
- Hard jaws
- Tailstock center
- Transformer
- C-axis (Vturn-S26CM)

* Machine and controller specifications are subject to change without notice.


Victor Taichung profile:
 Sales turnover: USD 145 mil's (in 2017)*
 No. of employees: 859
 *Exchange rate: 1 USD=30 TWD.




THE VICTOR-TAICHUNG COMPANIES



TAIWAN
<http://www.or.com.tw>
 E-mail :info@mail.or.com.tw
☐ Victor Taichung Machinery Works Co., Ltd.
Headquarters:
 2088, Sec. 4, Taiwan Blvd.,
 Taichung, Taiwan, R.O.C.
 TEL : 886-4-23592101
 FAX : 886-4-23592943
Overseas Marketing Division:
 TEL : 886-4-23580701
 FAX : 886-4-23584541

UK
☐ Victor CNC (UK) Ltd.
 TEL : 44-1-706-648485
 FAX : 44-1-706-648483

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

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

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

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

CHINA
☐ Victor Taichung Machinery (Shanghai)
 TEL : 86-21-59768018
 FAX : 86-21-59768008

 Victor Taichung was also marketed under the brand names **VICTOR** (outside North America) and **FORTUNE** GV1GE18EA