

*Art of Smooth Performance*

# VTURN S26/S36

Strong  
and  
Steady  
Turning  
Center

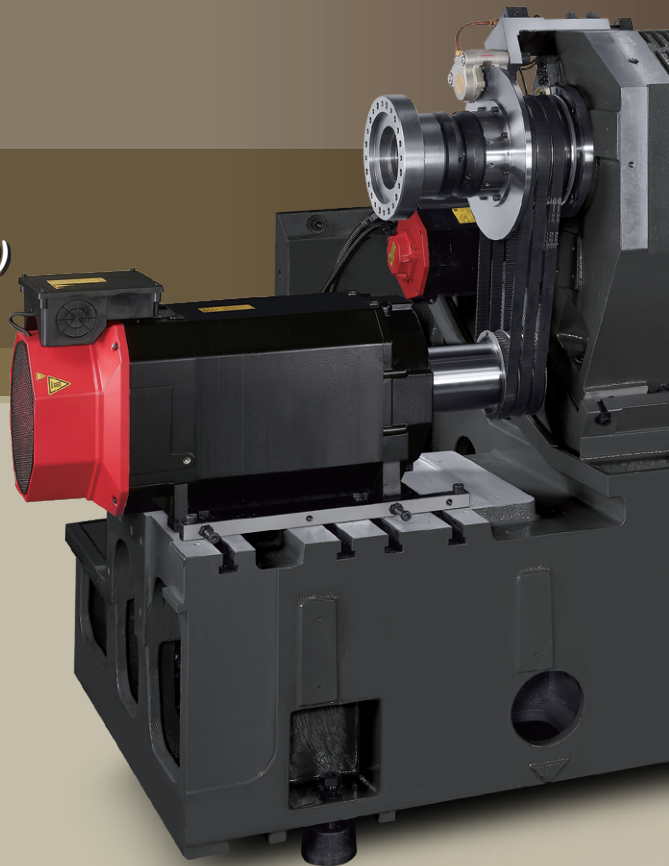
- *Servo turret (S26, S26CM, S36CM)*
- *One-piece slant bed*
- *Box slideways*
- *High thrust force*
- *High Rapid feeds*
- *Rotary operation panel*



# Smooth & Steady Performance

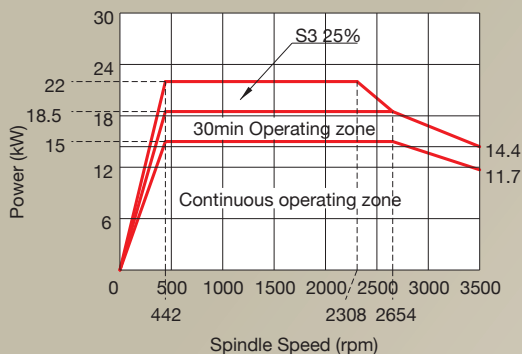
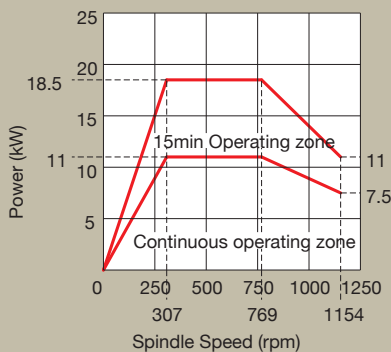
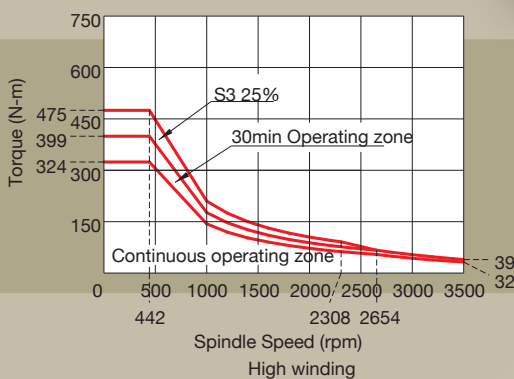
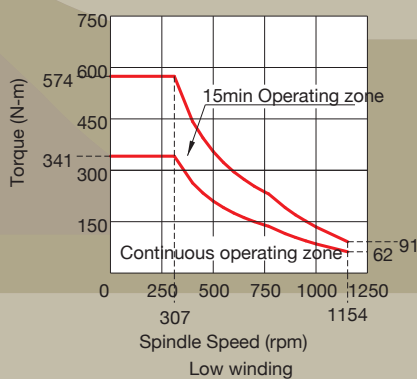
## Vturn-S26 Turning center

- One piece 30° slant bed
- Large swing diameter 600 mm
- 10" Power chuck / 3500 rpm
- Z-axis travel 610 / 1100 mm (S26/60, S26/110)
- High thrust force 1441 kgf
- High rapid feed 18/24 m/min (X/Z)
- Machine weight 5830 / 6430 kg (S26/60, S26/110)
- C-axis available

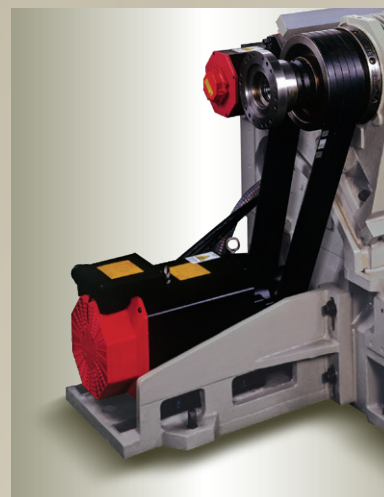


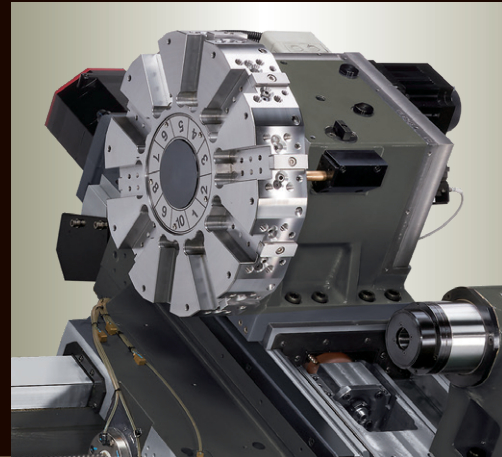
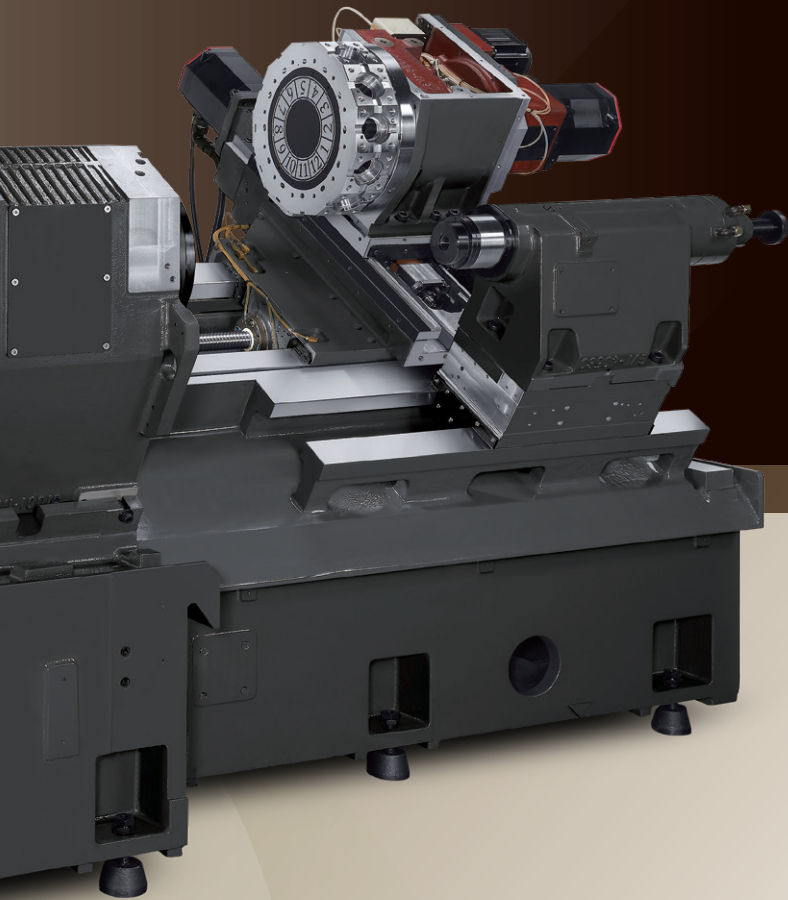
### Spindle 22kW (S3-25%)

- 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



**Conventional design  
with much longer belts**





## Servo Turret 0.8 sec. (adjacent tools)

- Victor Taichung's own turret
- 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)



Certificated Casting  
**GA350**

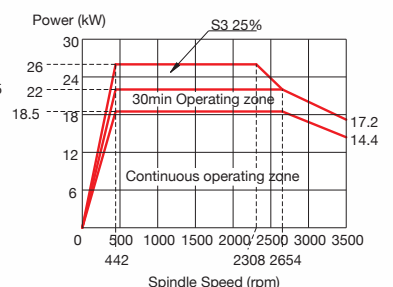
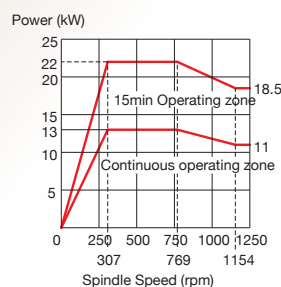
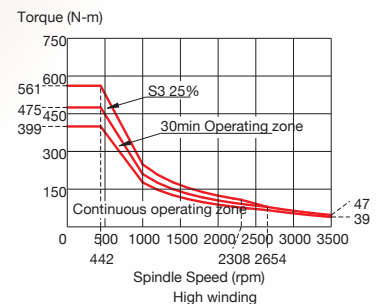
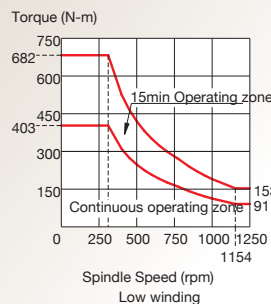
## Tailstock MT-5

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

## Boxways 64/80 mm (X/Z)

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

## Opt. Spindle 26kW (S3-25%)



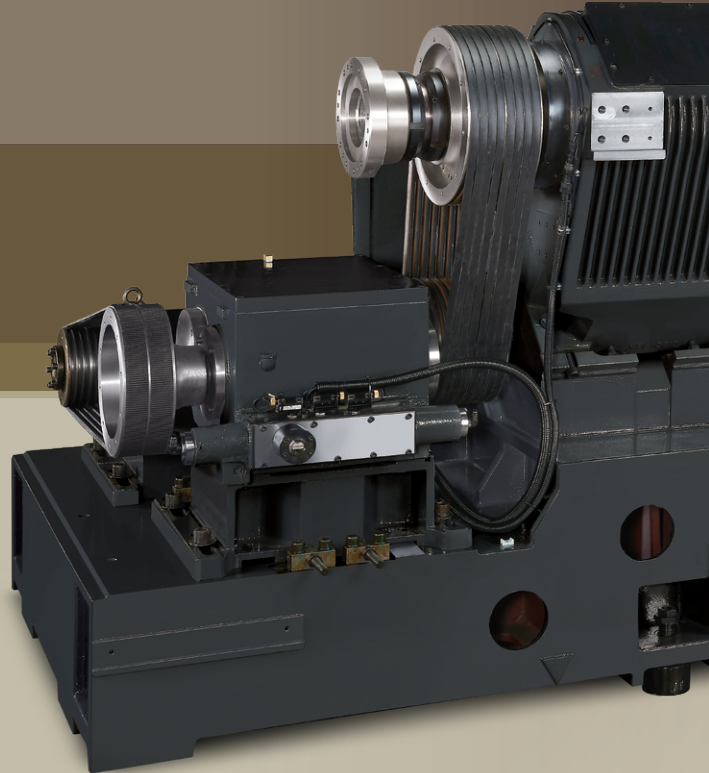
# Smooth & Steady Performance

## Vturn-S36 Turning center

- A2-11 spindle with 2-step gearbox
- One piece 45° slant bed
- Large swing diameter 680 mm
- 12" Power chuck / 2500 rpm
- Z-axis travel 850 mm
- High thrust force 1582 kgf
- High rapid feed 18/20 m/min (X/Z)
- C-axis available with higher power spindle motor

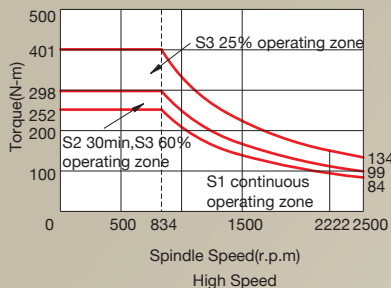
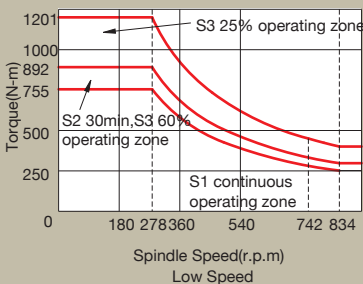
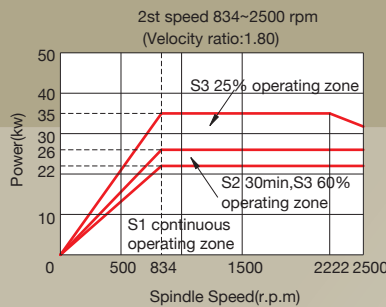
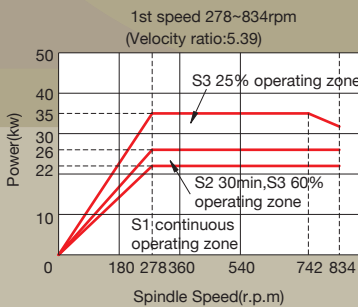


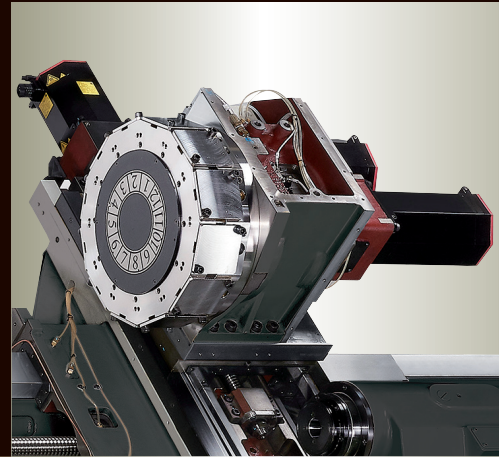
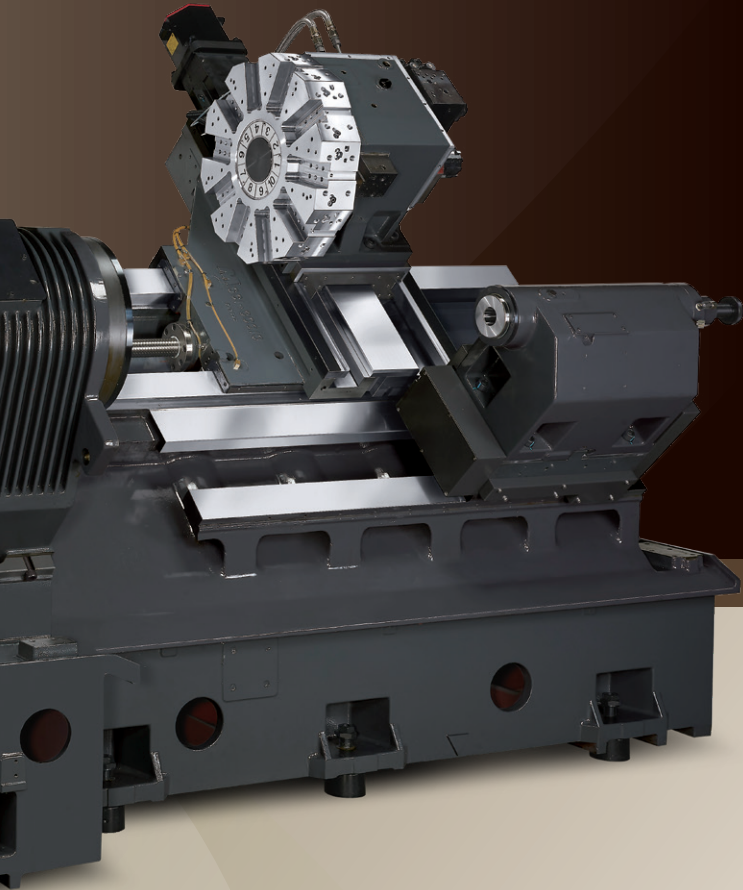
2-step gearbox



### Spindle 26kW (S3-25%)

- Spindle nose A2—11 with 2-step gearbox
- Spindle output 1201 Nm (S3-15%)
- Low base speed 278 rpm only
- NN type (roller type) bearings





## Victor's Own Turret

- Turret indexing time 0.9 sec. (adj.), 1.8 sec. (opposite)
- High thrust (Z-axis) 1582 kgf (15.5 kN)
- Opt. milling turret BMT-75 (3-piece coupling)
- 12 stations live tools
- Milling power 7 kW / 3000 rpm

## Boxways 85/90 mm (X/Z)

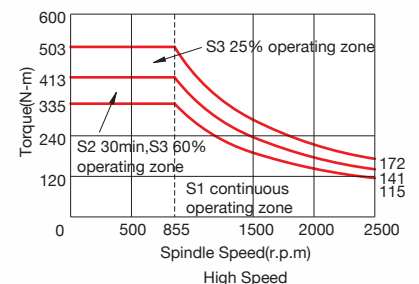
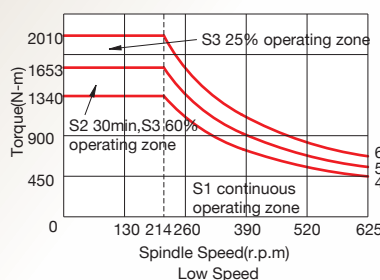
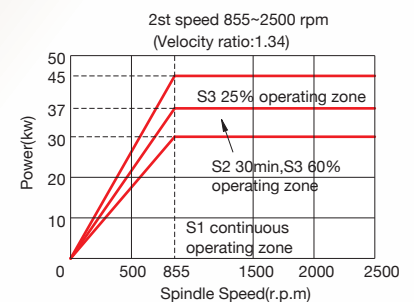
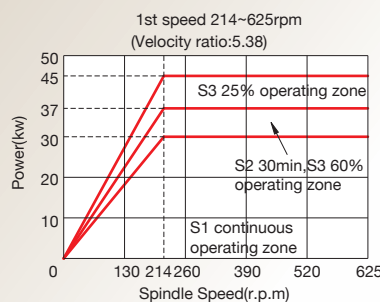
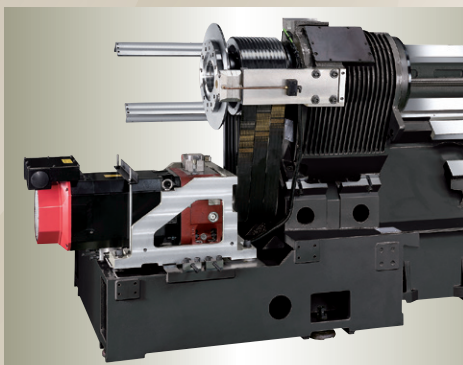
- High rapid feeds 18/20 m/min
- Smooth operation guaranteed

## Tailstock MT-5

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

## Cs-axis (opt.) with GTP<sup>®</sup> gearbox and upgraded spindle motor 45 kW (S3-25%)

- GTP<sup>®</sup> 2-step gearbox
- Spindle output 2010 Nm (S3-15%)
- Low base speed 214 rpm only



# Standard and Options

- Fanuc Oi-TF Plus (type-1) control with 10.4" 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.)



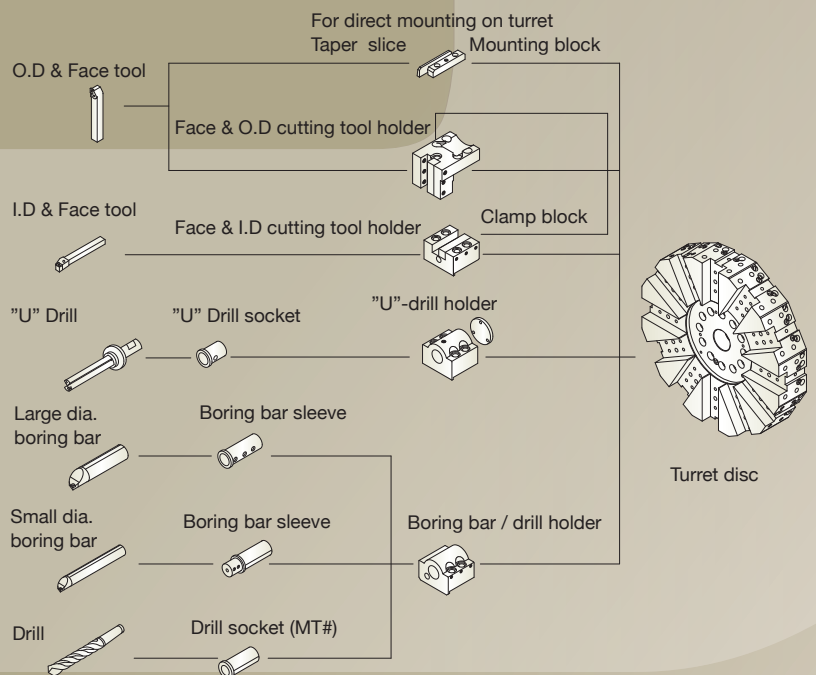
Chip conveyor (std.)

Coolant flush (std.)



## Tooling accessories (excl. BMT turret model)

TOOLS \ MODEL	Vturn-S26	Vturn-S36
Tool shank for turret disk	25 mm (1")	32 mm (1 1/4")
Maximum boring bar dia.	50 mm (2")	50 mm (2")
Face + OD cutting tool holder	1	1
Face + ID. cutting tool holder	1	1
<b>Boring bar holder</b>		
40 mm (1 1/2")	7	-
50 mm (2")	1	5
<b>Boring bar sleeve</b>		
8 mm (5/16")	1	-
10 mm (3/8")	2	1
12 mm (1/2")	2	1
16mm (5/6")	2	2
20 mm (3/4")	2	2
25 mm (1")	2	2
32 mm (1 1/4")	2	2
40 mm (1 1/2")	-	2
<b>Drill socket</b>		
MT1	Opt.	-
MT2	1	-
MT3	1	Opt.
MT4	1	1
<b>U drill socket</b>		
20 mm	Opt.	-
25 mm (1")	1	1
32 mm (1 1/4")	1	1
40 mm (1 1/2")	-	Opt.



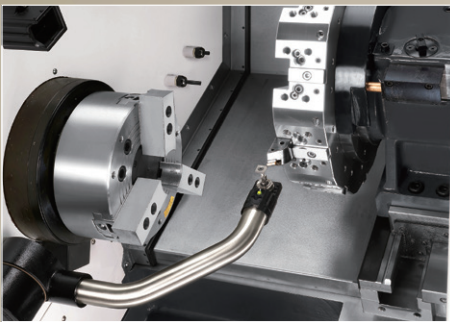


Transformer, A/C for cabinet (opt.)



15" screen (opt.)

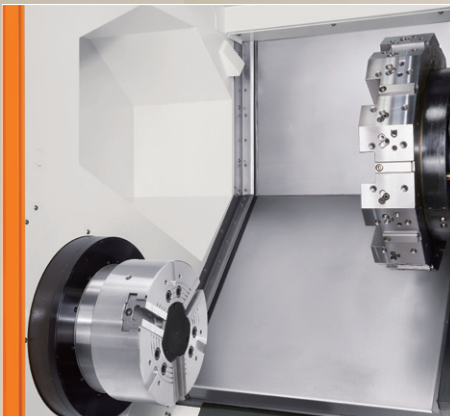
Tool presetter (opt.)



Gantry robot (opt.)



Recessed guarding for long tools (opt.)



Part catcher (opt.)



Oil skimmer (opt.)



## Machine Color Option



 Standard



RAL-7024

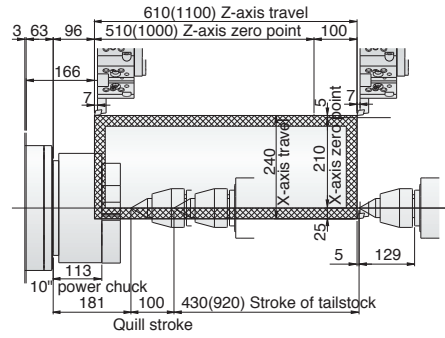
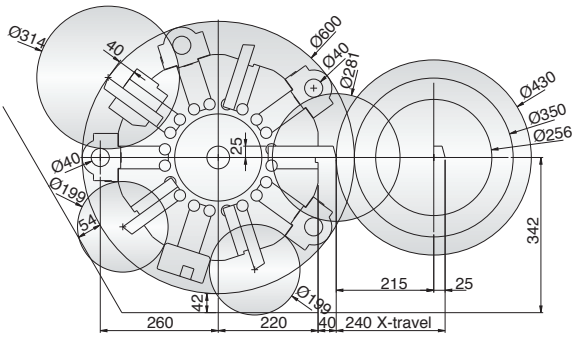




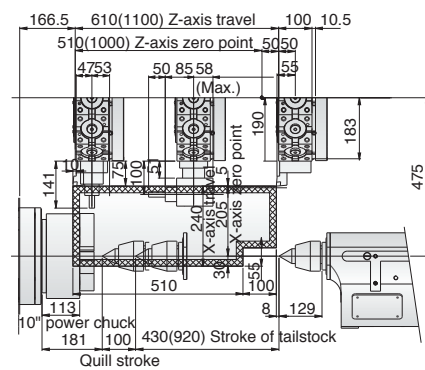
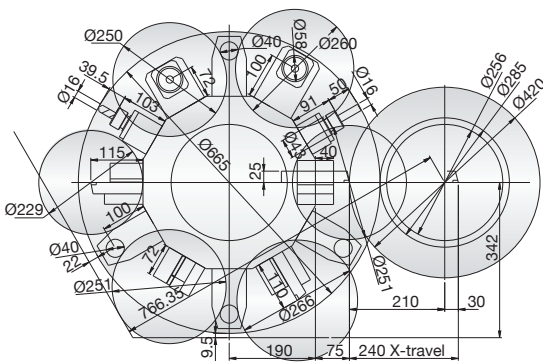
# Interference Chart / Operating Range



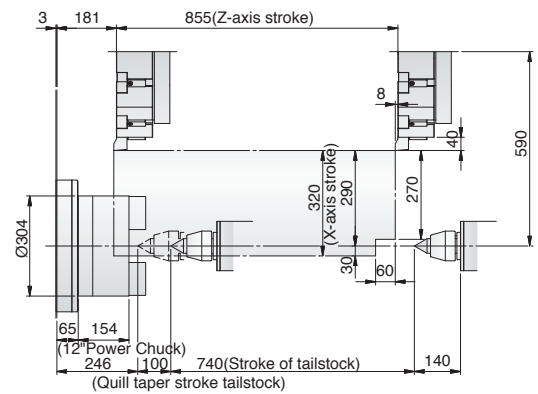
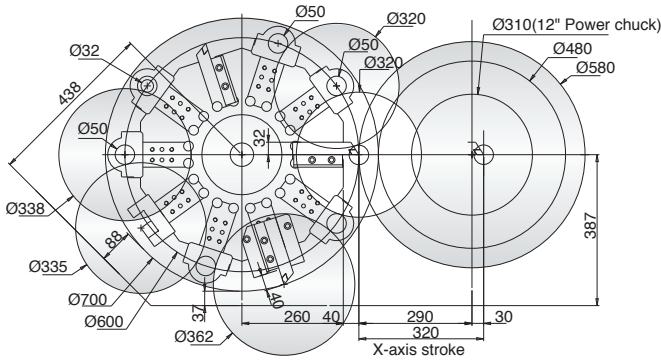
## Vturn-S26



## Vturn-S26CM

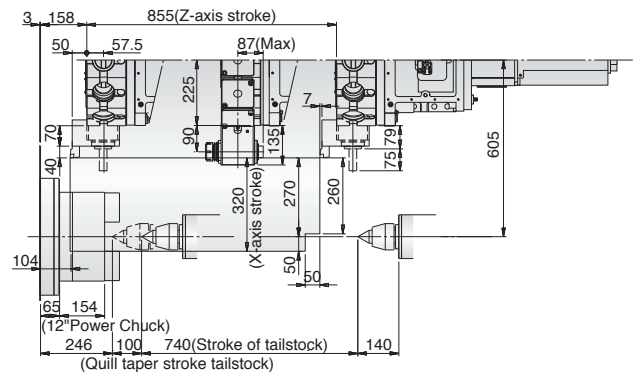
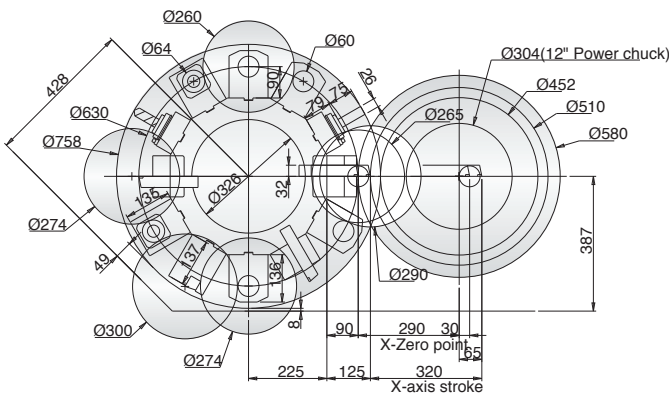


## Vturn-S36



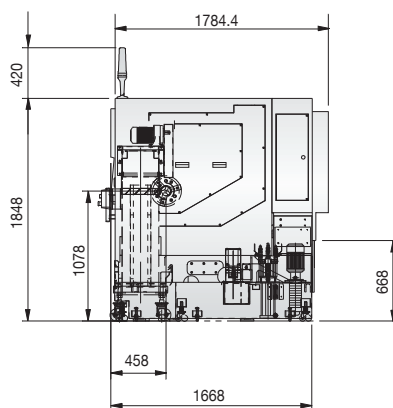
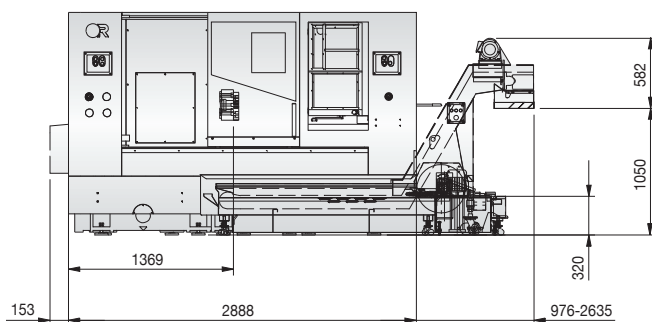
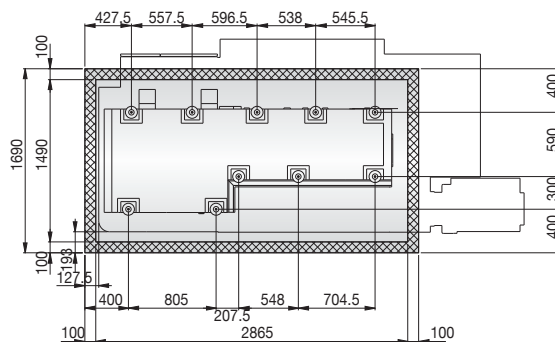
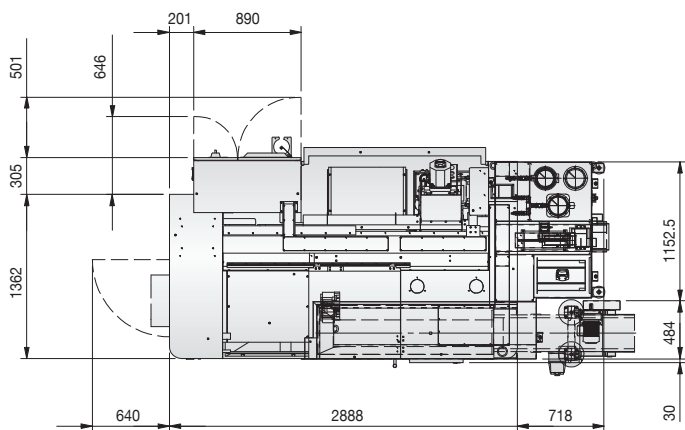
## Vturn-S26/60 (S26/110)

## Vturn-S36CM



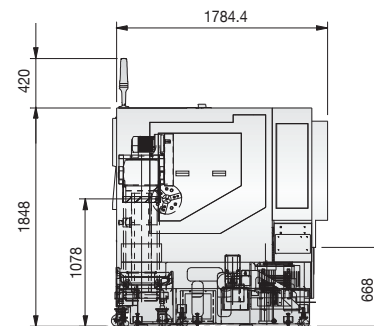
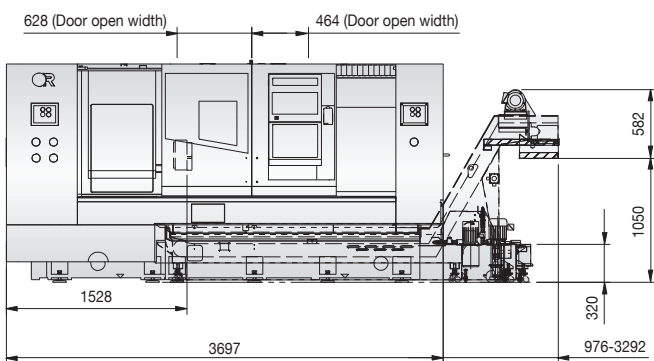
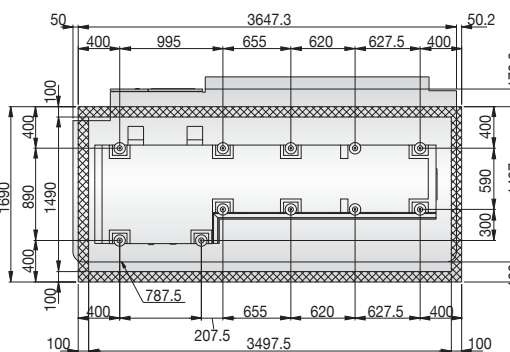
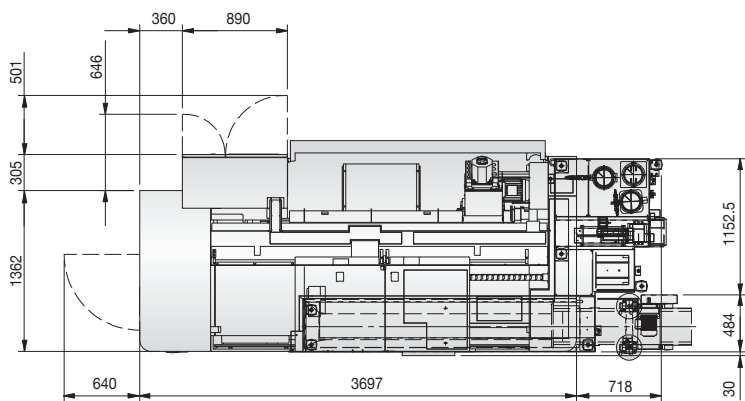
# Machine Layout

## Vturn-S26/60



Unit: mm

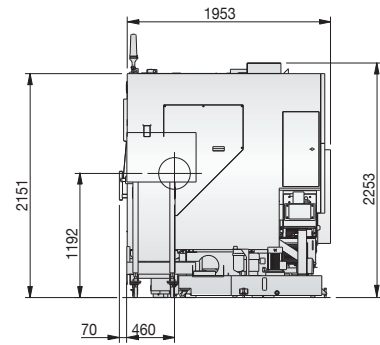
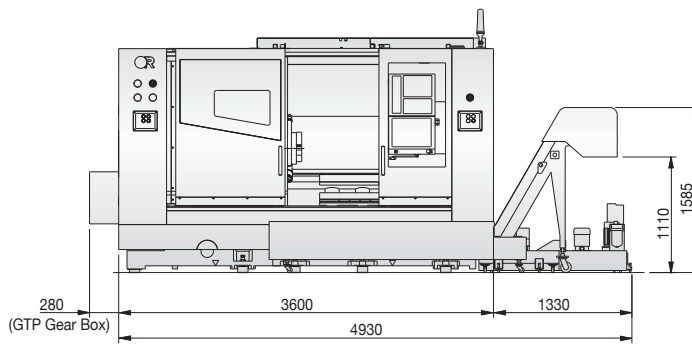
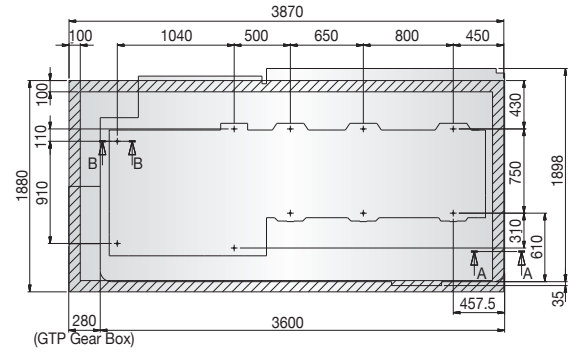
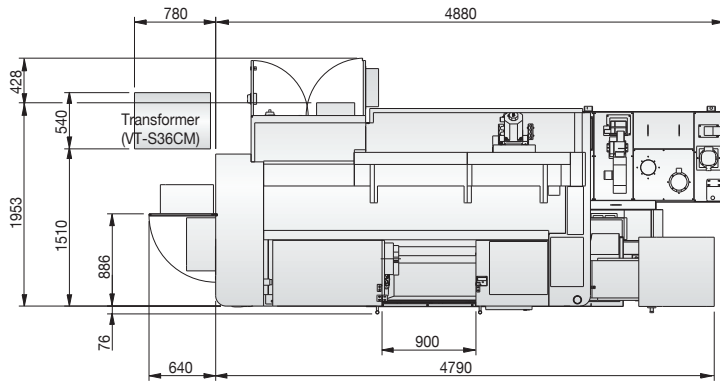
## Vturn-S26/110



Unit: mm



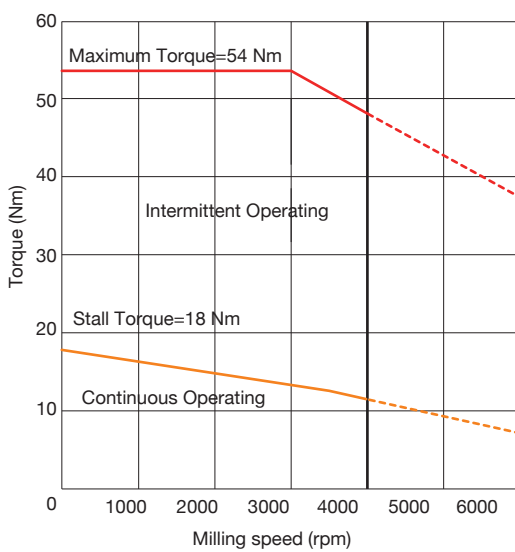
# Vturn-S36/85



Unit: mm

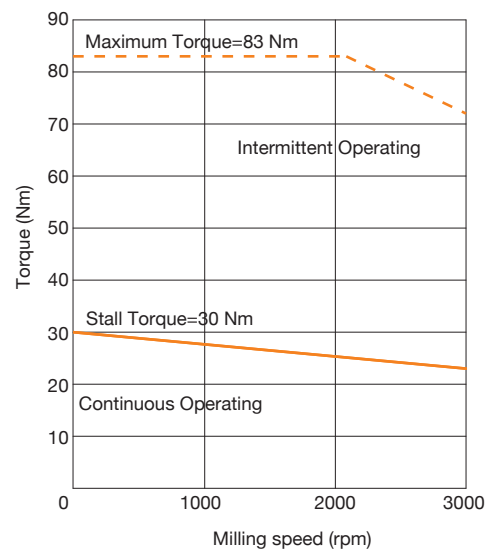
## Milling / Drilling Tool Output

### Vturn-S26CM



αiS22/6000 (4.5 kW)

### Vturn-S36CM



αiF30/4000 (7 kW)

# Machine Specification

Item	Unit	Vturn-S26/60 (CM) Vturn-S26/110 (CM)	Vturn-S36/85 (CM)	
<b>CAPACITY</b>	Swing over bed dia.	mm	ø600	ø780
	Standard turning dia.	mm	ø350 (ø285)	ø480 (ø452)
	Maximum turning dia.	mm	ø430 (ø420)	ø580 (ø580)
	Swing over carriage dia.	mm	ø480	ø600
	Between centers	mm	640 1130	898
	Bar capacity (Hole thru draw bar)	mm	ø75 (opt. 77, 91)	ø91 (opt. 117.5)
<b>AXIS FEEDS</b>	X axis travel	mm	215+25 (210+30)	290+30 (270+50)
	Z axis travel	mm	610 1100	855
	Rapid feed - X / Z axis	m/min	18 / 24	18 / 20
	Feed motor - X / Z axis	kW	3 / 4	3 / 4 (4 / 4)
	JOG feed	mm/min	X/Z: 0~1260	X/Z: 0~1260
	Ball screw dia x pitch	mm	ø32×P6 (X), ø40×P8 (Z)	ø36×P6 (X), ø50×P8 (Z)
<b>SPINDLE</b>	Spindle speed	rpm	3500 (opt. 2500)	2500 (opt. 2000)
	Spindle nose (chuck)	inch	A2-8 (10")	A2-11 (12")
	Spindle motor power (cont./30min/25%)	kW	15 / 18.5 / 22 (opt. 18.5 / 22 / 26)	22 / 26 / 35 (opt. 30 / 37 / 45)
	Spindle bearing inside dia.	mm	ø130	ø160
	Spindle bore	mm	87	105 (opt. 135)
	Spindle taper		1/20	1/20
<b>TURRET</b>	No. of tools (live)		10 (12 servo)	10 (12 servo)
	Tool shank size	mm	□25	□32
	Max. boring bar dia.	mm	ø50 (BMT-65)	ø50 (BMT-75)
	Exchange time (T-T)	sec	0.8 (0.81) - adjacent 1.0 (1.25) - opposite	0.9 (1.36) - adjacent 1.78 (1.8) - opposite
	Milling speed	rpm	4000 (opt. 6000)	3000
	Milling motor	kW	4.5	7
<b>TAILSTOCK</b>	Tailstock quill dia.	mm	ø110	ø110
	Quill stroke	mm	100	100
	Quill taper		MT #5 (opt. MT#4)	MT #5 (opt. MT#4)
<b>CAPACITY</b>	NC controller	Fanuc	0i-TF Plus (10.4")	0i-TF Plus (10.4")
	Coolant tank capacity	L	330 380	250 (overflow type)
	Power requirement	kVA	27 (29)	38 (46)
	Machine dimension LxWxH (with chip conveyor)	mm	4017 x 1848 x 1819 4673 x 1848 x 1819	4930 x 2029 x 2253 (5210 x 2029 x 2253)
	Net weight (incl. std. accessories)	kgs	6130 (6230) 6730 (6830)	9000 (9100)

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

## Standard Accessories:

- Fanuc 0i-TF Plus (10.4") with Manual Guide i
- 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:

- Manual tool presetter
- Auto tool presetter
- Part catcher (swing type) - Vturn-S26 only
- KITAGAWA® power chuck
- Air conditioner for electrical cabinet (Panel cooler)
- 12" chuck (3000 rpm spindle) (Vturn-S26)
- Higher pressure coolants
- Bar feeder interface
- Air blow
- Oil skimmer
- Oil mist collector
- Auto door
- Hard jaws
- Tailstock center
- Transformer
- C-axis (Vturn-S26CM/S36CM)



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**OR VICTOR TAICHUNG** profile:  
 Sales turnover: USD 156 mil's (in 2020)\*  
 No. of employees: 796  
 \*Exchange rate: 1 USD=28.5 TWD.

