









Vturn Lathes The cornerstone on which to build your production.

From the initial design stages through to the final testing, machine production is tightly controlled and monitored adhering strictly to the principles setout in ISO 9001 & 14001. In today's increasingly competitive market, Victor Taichung has held true to traditional methods of building quality and reliable machine tools that will maintain their accuracies and their values in years to come.

Vturn-16 / 20 / 26

to the tool tip.

Entry model for reliable heavy cutting.

Box slideways with hardness HRC 55 for heavy cutting.

Genuine 45' slant bed for minimum distance from Z-axis ball screw

Hydraulic 6"/8"/10" chuck is offered as standard.

Programmable tailstock and chip conveyor is offered as standard.

Wide range spindle motor Fanuc αPi is installed to offer high cutting force at low rpm.

High reliability and cost-effective.

Maximum turning length 610mm for Vturn-16/20/26 and 1090mm for Vturn-26/110.

Special LSB option on Vturn-26 for bar capacity 91mm/2500rpm.



VturnII-16 / 20

Available with upgraded servo turret, built-in spindle, C-axis, and rear chips disposal.

Genuine 30° one piece slant bed enables large turning diameter 440mm.

Box slideways with power full spindle motor 11/15kW for heavy cutting.

Servo driven turret for quick tool indexing.

Right or Rear chip disposal.

Servo driven turret for quick tool indexing.

C-axis available with built-in spindle allows faster

acceleration time and less vibration so as to improve overall efficiency and accuracy.







Vturn-36

2-step gearbox for heavy cutting.

Box slideways with hardness HRC 55 for heavy cutting. Genuine 45' slant bed for minimum distance from Z-axis ball screw to the tool tip.

Hydraulic 12" chuck is offered as standard.

2-step gearbox is included to further enhance the cutting torque at low rpm.

Maximum turning length 855mm for Vturn-36/85 and 1255mm for Vturn-36/125.

Available with C-axis spindle and live tooling by Victor's own VDI turret.

Special LSB option with spindle nose A2-11 for bar capacity 160mm /1300rpm.



Vturn-40 & Vturn-45 2 meter lathe with high feed rate for heavy cutting.

Rapid feed rate 20/20m/min!

Maximum turning length 2200mm!

Single piece cast slant bed (45 $^{\circ}$) for minimum distance from ball screw to the tool tip.

Box slideways with hardness HRC 55 for heavy cutting. Hydraulic 15" (18") chuck is offered as standard for Vturn-40 (Vturn-45).

Spindle nose A2-11.

2-step gearbox is included to further enhance the cutting torque at low rpm.

Available with C-axis by built-in spindle (DDS) for Vturn-40CV.

Vturn-46

4-step gearbox for powerful heavy cutting.

Box slideways with hardness HRC 55 for heavy cutting. Genuine 60' slant bed with minimal distance from Z-axis ball screw to the tool tip so as to reduce the chip built-up. Hydraulic 15" chuck is offered as standard and optional 24" chuck is possible.

Built-in 4-step gearbox inside the headstock further enhances the cutting torque at low rpm.

Spindle nose A2-11.

Maximum turning length 1650mm.

Available with C-axis spindle and live tooling by Victor's own VDI turret.







₹ VictorTaichung

Headstock machining & boring:

To ensure the quality control on the accurate parts such like headstock and spindle, Victor Taichung has developed their own spindle boring machines to ensure long service life for bearing installation.

Headstock & spindle assembly:

All spindles are assembled in-house in a temperature controlled environment and undergo a series of run-in tests of up to 24 hours. This post-assembly testing pinpoints any excessive bearing temperatures which would otherwise be crippling on the customers shop floor.

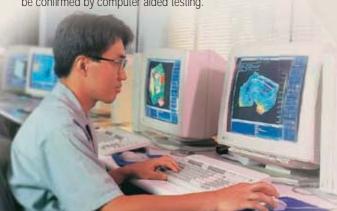
Meehanite® cast iron:

The foundation of any machine tool, this must offer rigidity, strength and above all else high damping properties. These characteristics are best found in quality nodular gray cast iron, produced in Victor's own ISO-9001 certified foundry.

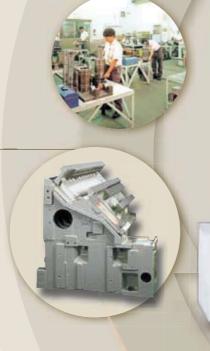
All castings are made following the Meehanite process which is recognized wide as the Quality Mark for good castings.

Machine design:

Through the use of advanced CAD and CAE systems, our R&D laboratory makes computer simulations of structures to test for deformation and vibration characteristics which can later be confirmed by computer aided testing.



Manufacturing Philosophy







Hardened box slide ways:

0

Cast-in slide ways for maximum rigidity. Nodular grey cast iron offers ideal friction properties without sacrificing toughness. Heat treated using high frequency induction heating to produce a wrap around structure with hard wear resistance surface & tough internal core. A depth of 0.5mm for maximum wear resistance, ensuring accuracies are held throughout machine life.

The carriage:

To ensure smooth and accurate operation of the carriage along the slideway Victor employs the traditional craftsmanship of hand scraping by skilled technicians. This produces large contact areas for improved stability in machining. Add to this hand finished lubrication channels for improved lubrication properties to ensure the carriages benefit from traditional methods of manufacture.

Machine assembly:

With the philosophy that quality must be built in not inspected in, moving pallet assembly lines are employed so that each machine can be closely monitored and controlled long before it reaches the QC epartment.

This is maintained by encouraging one person to be fully responsible for the quality of each station as it progresses.

Quality inspection:

Every machine that leaves the factory floor has passed numerous inspection procedures to achieve vigorous demands of our customers.

Vturn-16, Vturn-20 & Vturn-26

Cost-effective model for reliable heavy cutting!

Genuine 45 $^{\circ}$ slant bed for minimum distance from Z-axis ball screw to the tool tip.

Box slideways with hardness HRC 55 for heavy cutting.

Hydraulic 6" /8" /10" chuck is offered as standard.

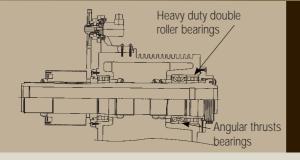
Programmable tailstock and chip conveyor is offered as standard.

Only wide range spindle motor Fanuc αPi is installed to offer high cutting force at low rpm.

Z-axis ball screw diameter 40mm for heavy cutting and high reliability.

Maximum turning length 610mm for Vturn-16/20 and 1090mm for Vturn-26/110.

Special LSB option on Vturn-26 for bar capacity 91mm/2500rpm.

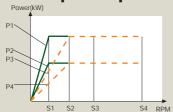


High rigidity & high precision spindle

Encased in well ribbed headstock for maximum heat dissipation.

Angular thrust bearings absorb axial cutting force and NN-type roller bearings facilitate heavy cutting.

Spindle Torque Output Diagram



- P1 (*30 min. in low winding) P2 (cont. in low winding) P3 (*30 min. in high winding
- S1 (base RPM in low winding) S2 (base RPM in high winding S3 (max. RPM in low winding)
- Torque(kg-m)

 T1

 T2

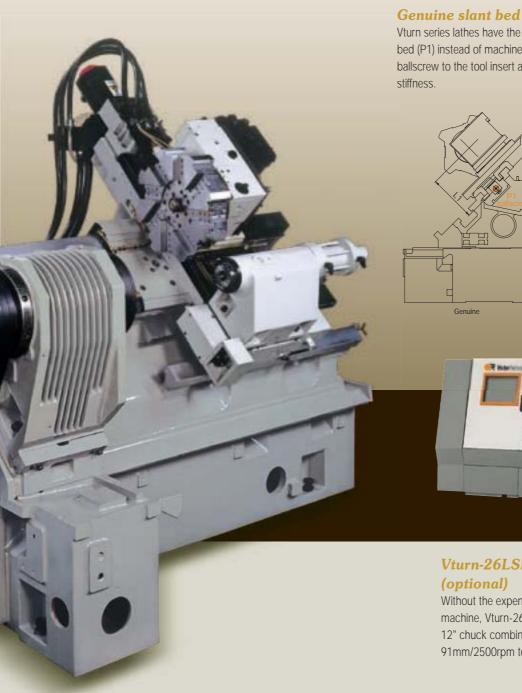
 T4

 S1 S2 S3 S4 RPM
- T1 (*30 min. in low winding)
 T2 (cont. in low winding)
 T3 (*30 min. in high winding)
- S1 (base RPM in low winding)
 S2 (base RPM in high winding)
 S3 (max. RPM in low winding)
 S4 (max. RPM in high winding)

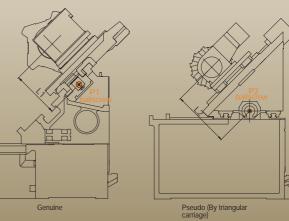
*30 min. may be replaced by 15%, 15 min or 20 min. according to Fanuc technical specification

Model	Spindle Motor	Base Speed (rpm)		Max. Speed (rpm)	P. Cont. (kw)	P. (kw)	Tor. Cont. (kg-m)	Tor. (kg-m)
Vturn-16	αP15i	Low winding	500	1500	5	9 (15 min.)	9.73	17.5 (15 min.)
Viuiii-10	αΡΙΟΙ	High winding	750	6000	7.5	9 (30 min.)	9.73	11.67 (30 min.)
Vturn-20	αP15i	Low winding	350	1050	5	9 (15 min.)	13.9	25 (15 min.)
Vtuiti-20	αP 131	High winding	525	4200	7.5	9 (30 min.)	13.9	16.68 (30 min.)
Ont	αP22i	Low winding	350	1050	7.5	15 (15 min.)	20.84	41.69 (15 min.)
Opt.	αP22I	High winding	525	4200	11	15 (30 min.)	20.52	17.5 (15 min.) 11.67 (30 min.) 25 (15 min.) 16.68 (30 min.)
Vturn-26	αP30i	Low winding	308	1156	11	18.5 (15 min.)	34.77	58.47 (15 min.)
Vtui11-20	αP301	High winding	443	3500	15	18.5 (30 min.)	32.92	40.6 (30 min.)
Vturn-26HD	αP40i	Low winding	308	1156	13	22 (15 min.)	40.98	69.36 (15 min.)
Vtuili-20HD	αP401	High winding	443	3500	18.5	22 (30 min.)	40.58	48.26 (30 min.)
Vturn-26LSB	αP30i	Low winding	211	833	11	18.5 (15 min.)	48.7	81.9 (15 min.)
VIUITI-ZOLSD	αP301	High winding	316	2500	15	18.5 (30 min.)	46.17	56.94 (30 min.)
Opt	αP40i	Low winding	211	833	13	22 (15 min.)	57.48	97.27 (15 min.)
Opt.	αF40I	High winding	316	2500	18.5	22 (30 min.)	56.9	67.69 (30 min.)





Vturn series lathes have the Z-axis ballscrew mounted on the slant bed (P1) instead of machine base (P2) to minimize the distance from ballscrew to the tool insert and thus upgrades the turret and carriage





Vturn-26LSB (Large Spindle Bore) (optional)

Without the expense or space demanded by an oversized machine, Vturn-26LSB including an oversized headstock and 12" chuck combines the bed of Vturn-26 to offer bar capacity 91mm/2500rpm to minimize your investment.



Vturn-26"HD" for Heavy Duty Application

Package with the following features:

Bigger spindle motor (P40i) 22kW.

Bigger Z-axis motor (22i) 4kW.

Larger turning diameter 410mm.

Larger swing over carriage 380mm.

Coolant flush on Z-axis cover.

Upgraded guarding improves coolants and chips disposal.

VturnII-16 & VturnII-20

Available with upgraded servo turret, built-in spindle, C-axis, and rear chips disposal

Genuine 30° one piece slant bed enables large turning diameter 440mm.

Box slideways with power full spindle motor 11/15kW for heavy cutting.

Servo driven turret for quick tool indexing.

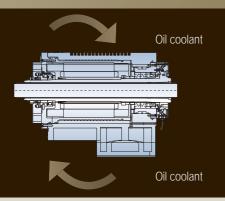
Right or Rear chip disposal.

Servo driven turret for quick tool indexing.

C-axis available with built-in spindle allows faster acceleration time and less

vibration so as to improve overall efficiency and accuracy.

Special LSB option on VturnII-20 for bar capacity 66mm/4500rpm.

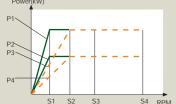


C-axis Spindle with Built-in Motor for or high accuracy

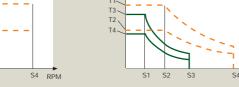
Belt-driven spindle for standard 2-axis lathe Direct Drive Spindle (DDS) with built-in motor for optional C-axis clamping offers extra torque output at low spindle speed than conventional belt-driven spindle and eliminates the vibrations from the belt for a greater surface finish and roundness.

Spindle Torque Output Diagram

The directly driven spindle unit uses the powerful FANUC αPi series motors with their wide range of high torque output and fast acceleration times to optimum speeds.







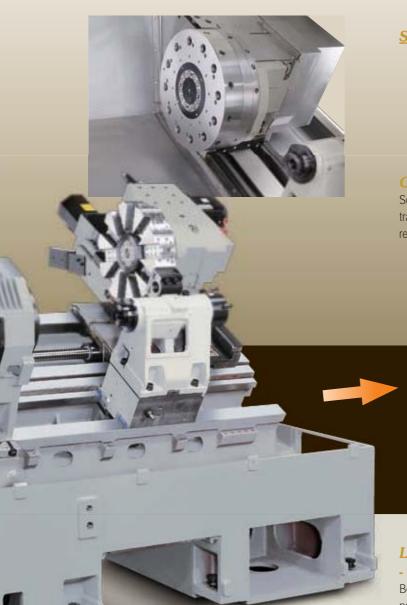
- S1 (base RPM in low winding)
 S2 (base RPM in high winding)
 S3 (max. RPM in high winding)
 S4 (max. RPM in high winding)
 T1 ('30 min. in low winding)
 T2 (cont. in low winding)
 T4 (cont. in high winding)
 - (*30 min. in low winding) S1 (base RPM in low winding) S2 (base RPM in high winding) S3 (base RPM in low winding) S3 (max. RPM in low winding) S4 (max. RPM in low winding) S4 (max. RPM in high winding)

*30 min. may be replaced by 15%, 15 min or 20 min. according to Fanuc technical specification

Model	Spindle Motor	Base Speed (rpm)		Max. Speed (rpm)	P. Cont. (kW)	P. (kW)	Tor. Cont. (kg-m)	Tor. (kg-m)
VturnII-16	αP22i	Low winding	500	1500	7.5	15 (15 min.)	14.6	29.2 (15 min.)
vturriii- ro	αΡ22Ι	High winding	750	6000	11	15 (30 min.)	14.4	19.6 (30 min.)
Ont	αP15i	Low winding	500	1500	5	9 (15 min.)	9.73	17.5 (15 min.)
Opt.	αΡΙΟΙ	High winding	750	6000	7.5	9 (30 min.)	9.73	11.67 (30 min.)
VturnII-20	αΡ22ί	Low winding	350	1050	7.5	15 (15 min.)	20.84	41.69 (15 min.)
vturriii-20		High winding	525	4200	11	15 (30 min.)	20.52	27.98 (30 min.)
Ont	αP15i	Low winding	350	1050	5	9 (15 min.)	13.9	25 (15 min.)
Opt.		High winding	525	4200	7.5	9 (30 min.)	13.9	16.68 (30 min.)
Vturnll-16CV	D1 (0) 4"	Low winding	300	900	5.5	7.5 (15%)	17.8	24.3 (15%)
VIUITIII-16CV	αΒΙΟΟΙΝΙΙ	High winding	850	6000	11	18.5 (15%)	12.6	21.2 (15%)
VturnII-20CV	a D100Mi	Low winding	450	800	11	15 (20 min.)	23.8	32.4 (20 min.)
vturnii-20CV	CD I SUIVII	High winding	800	4200	11	15 (30 min.)	13.3	18.2 (30 min.)







Servo Driven Turret for Faster Indexing

Fast tool indexing time 0.2 seconds using servo driven turret. Available with Victor Taichung's own milling turret in conjunction with servo motor to offer a near constant torque output over the complete speed range up to 3000rpm.

12 station VDI turret with 12 live tool pockets allows quick tool changeover with commercially available tool holders.

Chip Disposal from Right or Rear

Separate chip conveyor can be positioned to expel chips from the traditional side of the machine for easy cleaning or even from the rear of the machine to reduce costly shop floor space requirement.



Large Spindle Bore (LSB) - 66mm/4500 rpm (optional)

Besides the popular application to link bar feeder to the lathe with part catcher, this new LSB (Large Spindle Bore) option has the bar capacity dia. 66mm and upgraded spindle speed 4500rpm to minimize your investment costs.

One-piece Slant Bed with Hardened Boaxways

Rectangular machine base guarantees the optimal structure stiffness to sustain the high rapid feed rate 20/24m/min (X/Z) on the lathes with box slideways.

Optimum ribbing determined by FEM to minimize distortion during operation.

To ensure perfect alignment in the machine structure, the bed is machined in a single set-up on a large five-face machining center. Separate chip conveyor can be positioned to expel chips from the traditional side for easy cleaning or from rear of the machine to link with robot application.



Vturn-36

Two step gearbox for reliable heavy cutting!

Genuine 45° slant bed for minimum distance from Z-axis ball screw to the tool tip Z-axis ballscrew diameter 50mm.

91mm bar capacity.

Box slideways with hardness HRC 55 for heavy cutting.

Hydraulic 12" chuck is offered as standard.

2-step gearbox is included to further enhance the cutting torque at low rpm.

Maximum turning length 855mm for Vturn-36/85 and 1255mm for Vturn-36/125.

Available with C-axis spindle and live tooling by Victor's own VDI turret.

Special LSB option with spindle nose A2-11 for bar capacity 160mm/1300rpm.



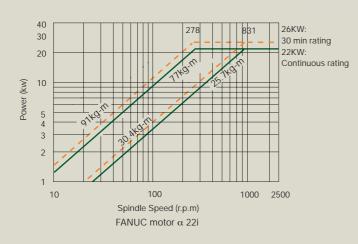
2-step gearbox

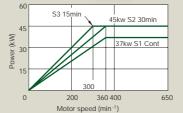
Vturn-36CV

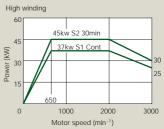
Low winding

Spindle Torque Output Diagram

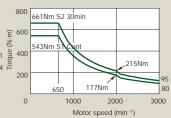
Vturn-36 STD















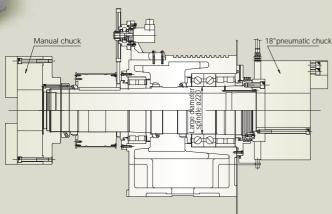
C-axis VDI turret with live tooling (CV option.)

Live tooling is provided through the use of VDI turret that not only provide an international tooling system but also allows for quick and simple tool mounting.

Coupling specification DIN-5480.

Milling power 7kW/2500rpm.





Large Spindle Bore (LSB)-160mm/1300rpm (optional)

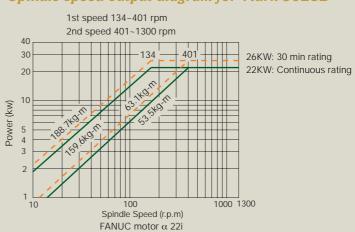
Large bore spindle with bar capacity of 160mm.

Ideal for machining of large diameter pipes.

Max. spindle speed: 1800rpm (1300rpm limited by pneumatic chuck). Bearing diameter 220mm.

Standard 18" Pneumatic chuck at front and manual chuck at rear of spindle for extra stability during bar turning.

Spindle speed output diagram for Vturn-36LSB



Vturn-40 & Vturn-45

2 meter lathe with gearbox and high feed rate for heavy cutting!

Genuine 45° one piece slant bed for maximal structure rigidity.

Maximum turning length 2200mm (86.61")!

Rapid feed rate 20/20m/min!

Spindle nose A2-11 with hydraulic 15"/18" chuck for bar capacity 91mm for Vturn-45 and 117.5mm for Vturn-45.

Spindle power 37kW by Fanuc α 30/6000i motor.

Z-axis ballscrew diameter 50mm (1.97").

Box slideways with hardness HRC 55 for heavy cutting.

2-step gearbox is included to further enhance the cutting torque at low rpm.

Bar capacity: 91mm (3.58") for Vturn-40, 117.5mm (4.62") for Vturn-45.



2-step gearbox

Spindle Torque Output Diagram

1st speed 286~728 rpm

(Velocity ratio:4.02)

30min operating zone

Continuous operating zor

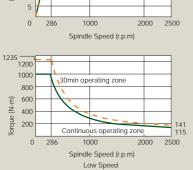
40

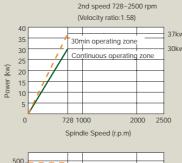
30

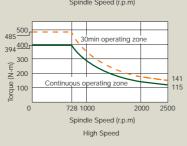
20

15 10 Vturn-40&45 STD (Vturn-45 maximum 2000rpm)

37kw





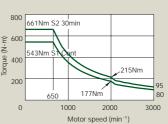


Vturn-40 CV











One piece cast bed

Built in the latest technology, the new Vturn-40 and Vturn-45 have one-piece slant bed to enhance the structure stiffness.

The turret carriage has even been enhanced 15% structure rigidity than Vturn-36 model to afford more cutting resistance.

High volume coolant flush onto the Z-axis cover helps to reduce the chip built-up inside the machine.

Double lead Japanese ballscrews facilitate rapid feed 20m/min.

C-axis VDI turnet with live tooling (CV option)

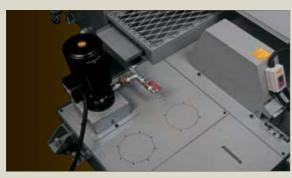
DDS built-in spindle (for Vturn-40CV only)



Moving CRT allows for more space for machine operator and avoids the high freight for transportation.

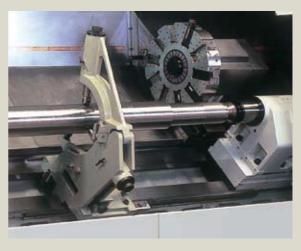


Enlarged coolant tank with oil skimmer as standard.



Manual steady rest (Standard)

Clamping range: 280-400mm (Opt. 150-300mm)



Vturn-46

Built-in 4-Step Gearbox for powerful heavy cutting!

Genuine 60° slant bed for minimum distance from Z-axis ball screw to the tool tip so as to reduce the chip built-up.

Built-in 4-step gearbox inside the headstock further enhances the cutting torque 536.4kg-m at low spindle speed 67 rpm.

Spindle nose A2-11 with hydraulic 15" chuck is offered as standard and available with 18"/21"/24" chucks.

Z-axis ballscrew diameter 50mm.

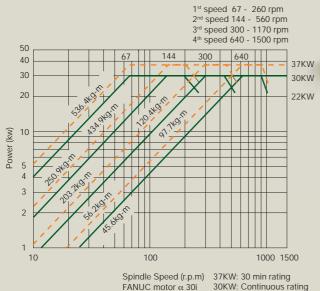
Maximum turning length 1650mm.

Available with C-axis spindle and live tooling by Victor's own VDI turret.



4-step gearbox

Spindle Torque Output Diagram



30KW: Continuous rating



Vturn-46CV cutting capability on mild steel S45C

	OD turning	Drilling (Z-axis $lpha$ 30i)	Milling	Tapping
Metal removal rate (spindle loading %)	792cc/min (93%)	672cc/min	30cc/min (99%)	
Tool	Ø32x10mm	Ø58x35mm	Ø25x15mm	M16xP2 (80%)
Spindle speed	686rpm	848rpm	600rpm	300rpm
Feed	F0.35mm/rev	F0.3mm/rev	F80mm/min	F600mm/min

Standard Accessories







Hydraulic 3 jaw hollow chuck is foot operated for safe and easy operation.



Chip conveyor and cart

Separate chip conveyor and coolant sum design with access from the front of the machine allows easy cleaning and reduces costly shop floor space requirement.



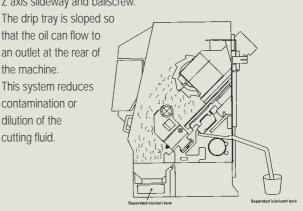


Separation system for oil & coolants

A drip tray cast into bed is used to catch waste lubricating oil from Z axis slideway and ballscrew.

that the oil can flow to an outlet at the rear of the machine. This system reduces contamination or dilution of the

cutting fluid.





Optional Accessories

Tool Presetter (Renishaw®)

No longer to perform tedious time consuming cuts to determine tool geometry, the operator needs only to touch the tool tip to the tool presetter sensor to get the tool geometries not only reducing tool set-up time, but reducing down time due to tool breakage.

Manual tool presetter (MTP): Arm is rotated manually.

Auto tool presetter (ATP): Arm is rotated automatically by programming.

Parts catcher & parts conveyor

To enhance the machines productivity a parts catcher is available to work in conjunction with the bar feed system.

The parts catcher is fully programmable to allow automated running with finished parts being dispensed in collection tray in door compartment. Door flap is used to seal door off from swarf during contamination.

Note: Parts catcher not available for Vturn-46 For heavier parts a rotary chute system mounted below the spindle is used.



Manual steady rest

The large bar capacity and long bed of Vturn lathes make these machines ideal for shaft turning. Victor Taichung can offer

inexpensive manual steady rest with manually adjusted rollers to suit this job for simple operation.

Clamping range (mm):

Vturn-16&20: Ø20~150 VturnII-16&20: Ø20~150 Vturn-26: Ø20~150 / Ø25~200

Vturn-36: Ø20~150 / Ø30~300 Vturn-40&45: Ø150~300 / Ø280~400

Vturn-46: Ø75~150 / Ø150~300 / Ø280~400

Bar feeder interface

For automatic loading of workpieces, the bar feeder provides a simple yet highly effective system. Interfaces are available on the Vturn lathes so that a number of different barfeeding systems can be worked in conjunction with the lathe. Add to the barfeeder a parts catcher and you have an efficient turnkey system with parts being loaded and unloaded



Hydraulic steady rest

For greater centering accuracy and easier setup, hydraulic steady rests mounted to the tailstock slideways are also available.





Through a combination of high pressure coolant, shower curtain and air gun located through & above the spindle, Victor Taichung can offer you the most efficient chip removal system available on the market today.

When combined with automation system it ensures continuous running time and time again.

Victor Taichung's Fanuc 0i-TD/32i-B Control Specifications

	SPECIFICATION	DESCRIPTION		
ontrol	Iled Axes: Controlled Axes	2 Axes(X, Z)	7.	1st Spindle Orientation
2.	Simultaneous Controlled Axes	Position/Linear interpolation/Circular interpolation	8.	1st Spindle Output Switching Function
3.	Least Input Increment	(2/2/2) 0.001mm / 0.0001 inch / 0.001 deg.	9.	M Code Function
4.	Least Input Increment 1/10	0.0001mm / 0.00001 inch / 0.0001 deg.	10.	S Code Function T Code Function
5.	Max, command value	± 99999.999 mm (± 9999.9999 in)	12.	Rigid Tapping (Spindle)
6. 7	Fine Acceleration & Deceleration Control	Std.		inction & Tool Compensation:
8.	HRV Control Inch / Metric Conversion	Std. (G20/G21)	1	Tool Function
9.	Interlock	All Axes / Each Axis / Cutting Block Start	2.	Tool Offset Pairs
10.	Machine Lock	All Axes / Each Axis	3.	Tool Nose Radius Compensation
11.	Emergency Stop Over-travel	Std.	4. 5.	Tool Geometry/wear Compensation
13.	Stored Stroke Check 1	Std.	6.	Number of Tool Offsets (in total) Automatic Tool Offset
14.	Mirror Image	Each Axis	7.	Direct Input of Tool Offset Value Measured
15.	Chamfering on/off	Std.	Accura	cy Compensation:
16.	Follow-up Unexpected disturbance torque detection function	Std. (to be used to tool load monitoring)	1.	Backlash Compensation
18.	Position switch (with Victor's own PLC)	Std. (to be used for security)	2.	Stored Pitch Error Compensation
perati	ion:		Edit Op	peration:
1.	Automatic Operation	Std.	1.	Part Program Storage Length (in total)
2.	MDI Operation	MDI B	2.	Number of Register able programs (in tot
3.	DNC Operation	Reader / Puncher Interface is Required	3.	Part Program Editing Program Protect
4. 5.	DNC Operation with Memory Card Program Number Search	PCMCIA Card Attachment is Required Std.	5.	Background Editing
6.	Sequence Number Search	Std.		and Display:
7.	Sequence number comparison and stop	Std.	1	Status Display
8.	Buffer Register	Std.	2.	Clock Function
9. 10.	Dry Run Single Block	Std.	3.	Current Position Display
11.	JOG Feed	Std.	4.	Program Display
12.	Manual Reference Position Return	Std.	5.	Parameter Setting and Display Self Diagnosis Function
13.	Manual Handle Feed	1 Unit / Each Path	7.	Alarm Display
14.	Manual Handle Feed Rate	X1, X10, X100	8.	Alarm History Display
iterpo	olation:		9.	Operation History Display
1.	Positioning	G00	10.	Help Function Run Hour and Parts Count Display
2.	Threading synchronous cutting Multiple threading	Std.	12.	Actual Cutting Feed rate Display
4.	Threading retract	Std.	13.	Display Spindle Speed and T Code At All S
5.	Continuous threading	Std. (G76)	14.	Dynamic Graphic Display
6.	Variable threading	Std. (G34)	15.	Servo Setting Screen Display of Hardware and Software Configu
7.	Linear Interpolation Circular Interpolation	G01 G02, G03 (multi-quadrant is possible)	17.	Multi-Language Display
9.	Dwell	G02, G03 (Hutti-quadrant is possible)	18.	Data Protection Key
10.	Skip Function	G31	19.	Erase CRT Screen Display
11.	Reference Position Return	G28	20.	Spindle Setting Screen Color LCD (MDI)
12.	Reference Position Return Check 2nd Reference Position Return	G27 Std.		nput / Output:
ed:	- Koloronoo i osmori Kolorii	old.	1.	Reader / Puncher Interface
1	Panid Traverce Pate	Std.	2.	Memory Card Interface
2.	Rapid Traverse Rate Rapid Traverse Override	F0, 25%, 50%, 100%	3.	External Work piece number search
3.	Feed Per Minute	G98 (mm/min)	4.	Embedded Ethernet (10Mbps)
4.	Feed Per Revolution	G99 (mm/rev)	C Axis	Function (used on CV models):
5. 6.	Tangential Speed Constant Control	Std.	1.	Control Axes Expansion
7.	Cutting Feed rate Clamp Automatic Acceleration / Deceleration	Rapid traverse: linear; Cutting feed: exponential	2.	Simultaneously Controlled Axes Expansion
8.	Linear accel / deceleration after cutting feed interpolation	Std.	3.	Coordinate System Rotation Rotary Axis Designation
9.	Feed rate Override	0~150%	5.	Rotary Axis Designation Rotary Axis Roll-over
10.	Jog Override	0~100%	6.	Axis Control by PMC
11.	Feed Stop	Std.	7.	Control Axis Detach (for Cf axis)
ograi	m Input:		9.	Polar Coordinate Interpolation
1.	EIA / ISO Automatic Recognition	Std.	10.	Coordinate System Rotation
2.	Label Skip	Std.	11.	Rigid Tapping (C-axis) with Victor's own F
3.	Parity Check	Std.		
4. 5.	Control In / Out Optional Block Skip	Std.	Opti	ons
6.	Max. Programmable Dimension	± 9-Digit	ITEM	SPECIFICATION
7.	Program Number	O4-Digit		ardware included:
8.	Sequence Number	N5-Digit	1.	Conversational programming (Manual guide
9.	Absolute / Incremental Programming Decimal Point Programming / Pocket Calculator Type	G90/G91(G code System B,C)	2.	Conversational programming (Cap i)
10.	Decimal Point Programming	Std.	3.	Data server (with PCB and ATA card) Fast Ethernet (100Mbps, available in Data
11.	Input Unit 10 Time Multiply	Std.	5.	Tool life management
12.	Diameter / radius programming Plane Selection	Std. G17, G18, G19	6.	Part Program Storage Length 2560m/1ME
- 3	Automatic Coordinate System Setting	Std.	7.	Part Program Storage Length 5120m/2MB
13. 14.	Automatic Coordinate System Setting		8.	Optional block skip 2-9 blocks Polygon turning (by C-axis) with Victor's ov
14. 15.	Work piece Coordinate System	G52~G59	9	
14. 15. 16.	Work piece Coordinate System Direct Drawing Dimension Programming	Std.	9.	Manual handle feed 2 (2nd MPG)
14. 15. 16. 17.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A	Std. Std.	10. 11.	Manual handle feed 2 (2nd MPG) Reader/Puncher interface 2 (2nd RS232 interface)
14. 15. 16.	Work piece Coordinate System Direct Drawing Dimension Programming	Std.	10. 11. 12.	Manual handle feed 2 (2nd MPG) Reader/Puncher interface 2 (2nd RS232 interested at a input
14. 15. 16. 17. 18. 19.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call	Std. Std. Std. Std. G10 10 folds nested	10. 11. 12.	Manual handle feed 2 (2nd MPG) Reader/Puncher interface 2 (2nd RS232 interestread data input USB port
14. 15. 16. 17. 18. 19. 20.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B	Std. Std. Std. Std. G10 10 folds nested Std.	10. 11. 12. 13.	Manual handle feed 2 (2nd MPG) Reader/Puncher interface 2 (2nd RS232 interested at a input
14. 15. 16. 17. 18. 19. 20. 21.	Work piece Coordinate System Direct Drawing Dirension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B Canned Cycles	Std. Std. Std. G10 10 folds nested Std. Std. Std.	10. 11. 12. 13. 14.	Manual handle feed 2 (2nd MPG) Reader/Puncher interface 2 (2nd RS232 inte External data input USB port Porgram restart Profibus
14. 15. 16. 17. 18. 19. 20.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B	Std. Std. Std. Std. G10 10 folds nested Std.	10. 11. 12. 13. 14. 15.	Manual handle feed 2 (2nd MPC) Reader/Puncher interface 2 (2 rd RS232 inte External data input USB port Porgram restart Profibus It hardware included:
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B Canned Cycles Multiple Repetitive Cycle Multiple Repetitive Cycle 2 (Pocket profile) Canned Cycle for Drilling	Std. Std. Std. G10 10 folds nested Std. Std. Std. Std. Std. Std. Std. Std	10. 11. 12. 13. 14.	Manual handle feed 2 (2nd MPC) Reader/Puncher interface 2 (2 ^{rm} RS232 inte External data input USB port Porgram restart Profibus It hardware included: Program number O8-digit
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B Canned Cycles Multiple Repetitive Cycle Multiple Repetitive Cycle 2 (Pocket profile) Canned Cycle for Drilling Program Format	Std. Std. Std. G10 10 folds nested Std. Std. Std. Std. Std. Std. Std. G70-G76) Std. (G70-G76 type II) Std. FANUC Std. format	10. 11. 12. 13. 14. 15. Withou	Manual handle feed 2 (2nd MPG) Reader/Puncher interface 2 (2 ^{rm} RS232 inte External data input USB port Porgram restart Profibus tt hardware included: Program number O8-digit Circular thread cutting (G35)
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B Canned Cycles Multiple Repetitive Cycle Multiple Repetitive Cycle 2 (Pocket profile) Canned Cycle for Drilling Program Format Program Stop / Program End	Std. Std. Std. G10 10 folds nested Std. Std. Std. Std. Std. (G70-G76) Std. (G70-G76) Std. (G70-G76 type II) Std. FANUC Std. format M00 / M01 / M02 / M30	10. 11. 12. 13. 14. 15. Withou 16. 17. 18.	Manual handle feed 2 (2nd MPG) Reader/Puncher interface 2 (2 nd RS232 inte External data input USB port Porgram restart Profibus it hardware included: Program number O8-digit Circular thread cutting (G35) Number of registered program 1000 (in total G code system B/C
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B Canned Cycles Multiple Repetitive Cycle Multiple Repetitive Cycle 2 (Pocket profile) Canned Cycle for Drilling Program Format Program Stop / Program End Circular interpolation by 9-digit R designation	Std. Std. Std. G10 10 folds nested Std. Std. Std. Std. Std. Std. Std. G70-G76) Std. (G70-G76 type II) Std. FANUC Std. format	10. 11. 12. 13. 14. 15. Withou 16. 17. 18. 19.	Manual handle feed 2 (2nd MPG) Reader/Puncher Interface 2 (2º RS232 Inte External data input USB port Porgram restart Profibus It hardware included: Program number O8-digit Circular thread cutting (G35) Number of registered program 1000 (in tota G code system B/C Type format for FS 10/11
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B Canned Cycles Multiple Repetitive Cycle Multiple Repetitive Cycle 2 (Pocket profile) Canned Cycles for Drilling Program Format Program Stop / Program End Ctrcular interpolation by 9-digit R designation ry Spindle Speed Function:	Std. Std. Std. Std. G10 10 folds nested Std. Std. Std. Std. Std. Std. (G70-G76) Std. (G70-G76 type II) Std. FANUC Std. format M00 / M01 / M02 / M30 Std.	10. 11. 12. 13. 14. 15. Without 16. 17. 18. 19. 20.	Manual handle feed 2 (2nd MPG) Reader/Puncher interface 2 (2 ^{stt} RS232 inte External data input USB port Porgram restart Profibus It hardware included: Program number 08-digit Circular thread cutting (G35) Number of registered program 1000 (in toi: G code system B/C Type format for FS 10/11 Play back
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. uxilia	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B Canned Cycles Multiple Repetitive Cycle Multiple Repetitive Cycle 2 (Pocket profile) Canned Cycle for Drilling Program Format Program Stop / Program End Circular interpolation by 9-digit R designation ry Spindle Speed Function: Auxiliary Function Lock	Std.	10. 11. 12. 13. 14. 15. Withou 16. 17. 18. 19.	Manual handle feed 2 (2nd MPG) Reader/Puncher interface 2 (2 rd RS232 inte External data input USB port Porgram restart Profibus It hardware included: Program number O8-digit Circular thread cutting (G35) Number of registered program 1000 (in tol. G code system B/C Type format for FS 10/11 Play back 3-dimensional coordinate system conversions
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B Canned Cycles Multiple Repetitive Cycle Multiple Repetitive Cycle 2 (Pocket profile) Canned Cycles for Drilling Program Format Program Stop / Program End Ctrcular interpolation by 9-digit R designation ry Spindle Speed Function:	Std. Std. Std. Std. G10 10 folds nested Std. Std. Std. Std. Std. Std. (G70-G76) Std. (G70-G76 type II) Std. FANUC Std. format M00 / M01 / M02 / M30 Std.	10. 11. 12. 13. 14. 15. Withou 16. 17. 18. 19. 20. 21.	Manual handle feed 2 (2nd MPG) Reader/Puncher Interface 2 (2º RS232 Inte External data input USB port Porgram restart Profibus It hardware included: Program number O8-digit Circular thread cutting (G35) Number of registered program 1000 (in tota G code system B/C Type format for FS 10/11
14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. Auxilia 1. 2.	Work piece Coordinate System Direct Drawing Dimension Programming G code System A Chamfering/corner R Programmable Data Input Sub Program Call Custom Macro B Canned Cycles Multiple Repetitive Cycle Multiple Repetitive Cycle 2 (Pocket profile) Canned Cycle for Drilling Program Stop / Program End Citcular Interpolation by 9-digit R designation ry Spindle Speed Function: Auxiliary Function Lock High Speed M / S / T Interface	Std. (670-G76) Std. (670-G76 type II) Std. Std.	10. 11. 12. 13. 14. 15. Withou 16. 17. 18. 19. 20. 21. 22.	Manual handle feed 2 (2nd MPG) Reader/Puncher Interface 2 (2 rd RS232 Inte External data input USB port Porgram restart Profibus It hardware included: Program number O8-digit Circular thread cutting (C35) Number of registered program 1000 (in total of code system B/C Type format for FS 10/11 Play back 3-dimensional coordinate system conversion of the

7.	1 st Spindle Orientation	Std.
8.	1 st Spindle Output Switching Function	Std.
9.	M Code Function	M3 digit
10.	S Code Function	S5 digit
11.	T Code Function	T2 digit
12.	Rigid Tapping (Spindle)	Std.
ool Fu	nction & Tool Compensation:	
1.	Tool Function	T7+1/T6+2digits
2.	Tool Offset Pairs	± 7-digit 64 pairs
3.	Tool Nose Radius Compensation	Std. (G40/G41/G42)
4.	Tool Geometry/wear Compensation	Std.
5.	Number of Tool Offsets (in total)	64 (0i-D) 99 sets (32i-B)
6.	Automatic Tool Offset	Std.
7.	Direct Input of Tool Offset Value Measured B	Std.
ccura	cy Compensation:	
1.	Backlash Compensation	Rapid Traverse / Cutting Feed
2.	Stored Pitch Error Compensation	Std.
	eration:	
1.	Part Program Storage Length (in total)	1280m (512kB) (0i-D/32i-B)
2.	Number of Register able programs (in total)	400
3.	Part Program Editing	Std.
4.	Program Protect	Std.
5.	Background Editing	Std.
etting	and Display:	
1.	Status Display	Std.
2.	Clock Function	Std.
3.	Current Position Display	Std.
4.	Program Display	Program name 32 characters
5.	Parameter Setting and Display	Std.
6.	Self Diagnosis Function	Std.
7.	Alarm Display	Std.
8.	Alarm History Display	50 (0i), 60 (32i-B)
9.	Operation History Display	Std.
10.	Help Function	Std.
11.	Run Hour and Parts Count Display	Std.
12.	Actual Cutting Feed rate Display	Std.
13.	Display Spindle Speed and T Code At All Screens	Std.
14.	Dynamic Graphic Display	Std.(Available in MGI by another function)
15.	Servo Setting Screen	Std.
16.	Display of Hardware and Software Configuration	Std.
17.	Multi-Language Display	Std.
18.	Data Protection Key	Std.
19.	Erase CRT Screen Display	Std.
20.	Spindle Setting Screen	Std.
21.	Color LCD (MDI)	8.4" (0i-D), 10.4" (0i-D*1/32i-B)
ata In	put / Output:	
1.	Reader / Puncher Interface	RS-232 interface
2.	Memory Card Interface	Std.
3.	External Work piece number search	9999
4.	Embedded Ethernet (10Mbps)	Std.
Axis I	Function (used on CV models):	
1.	Control Axes Expansion	Std.
2.	Simultaneously Controlled Axes Expansion	Std.
3.	Coordinate System Rotation	Std.
4.	Rotary Axis Designation	Std.
5.	Rotary Axis Besignation Rotary Axis Roll-over	Std.
6.	Axis Control by PMC	Std.
7.	Control Axis Detach (for Cf axis)	Std.
8.	Polar Coordinate Interpolation	Std. (G112/G113)

EM	SPECIFICATION		
ith ha	rdware included:	0i-D	32i-B
1.	Conversational programming (Manual guide i)*1		Std.
2.	Conversational programming (Cap i)	N.A.	N.A.
3.	Data server (with PCB and ATA card)		
4.	Fast Ethernet (100Mbps, available in Data server)		
5.	Tool life management		
6.	Part Program Storage Length 2560m/1MB (in total)	N.A.	
7.	Part Program Storage Length 5120m/2MB (in total)	N.A.	
8.	Optional block skip 2-9 blocks		
9.	Polygon turning (by C-axis) with Victor's own PLC		
10.	Manual handle feed 2 (2nd MPG)		
11.	Reader/Puncher interface 2 (2nd RS232 interface)		
12.	External data input		
13.	USB port		Std.
14.	Porgram restart		
15.	Profibus		
ithou	t hardware included:		
16.	Program number O8-digit	N.A.	
17.	Circular thread cutting (G35)	N.A.	
18.	Number of registered program 1000 (in total)	N.A.	
19.	G code system B/C	Std.	
20.	Type format for FS 10/11	Std.	
21.	Play back	Std.	
22.	3-dimensional coordinate system conversion	N.A.	
23.	Direct input of offset value measured for 2 spindle lathe	N.A.	
24.	Al contour control II (G5.1 Q1)		
25.	JERK control	N A	

 $^{^{\}star}1.$ Manual Guide i is available on 0i-D when the monitor is upgraded to 10.4" LCD.

Machine Specifications



ITEM \ MODEL	•	Vturn-16 Vturn-20	VturnII-16 VturnII-20	Vturn-26/60 (HD) Vturn-26/110 (HD)	Vturn-36/85 Vturn-36/125	Vturn-40/220 Vturn-45/220	Vturn-46/165
MACHINE CAPACITY		* 1 5111 1 115	* * * * * * * * * * * * * * * * * * * *				
Swing over bed	mm	450	590	520	650	780	820
Std. Turning dia.	mm	160	370 360	290	445	520	520
Max. turning dia.	mm	230	440 (330 for CV)	380 (410)	550 (458 for CV)	620 (390 for CV)	730
Swing over carriage	mm	300	400	350 (380)	500 (475 for VDI)	620	520
Center distance	mm	635	540	650 1130	890 1290	2165	1750
Bar capacity (hole through draw bar)	mm	40 52	40 52 (66 for LSB)	75 (91 for LSB)	91 (160 for LSB)	91 117.5 (160 for LSB)	115
AXIS FEEDS		02	02 (00 10. 202)	(71.161.262)	(100 101 202)	11710 (100 101 202)	
X axis travel : -Std turret -VD I turret -VDI turret, C-axis	mm	115+20 110+80	220+20 105+135 105+135	190+50(205+50) 126+130	275+30 143+217 156+199	310+30 125+315 107+165	365+25 137+303 186+234
Z axis travel	mm	600	510	610 1090	855 1255	2200	1650
Rapid feed - X/Z axis	m/min	20 / 24	20 / 24	20 / 24	12 / 15	20 / 20	12 / 15
Feed motor - X/Z axis	kW	1.6 / 3	1.6 / 3	3 / 3 (3 / 4)	3 / 4	4 / 7	3 / 4 (opt. 3 / 7)
Cutting federate	mm/min	0~1260	0~1260	0~1260	0~1260	0~1260	0~1260
Ball screw dia x pitch	mm	28 x P6 (X) 40 x P10 (Z)	28 x P8 (X) 40 x P10 (Z)	30 x P8 (X) 40 x P12 (Z)	36 x P6 (X) 50 x P10 (Z)	40 x P10 (X) 50 x P16 (Z)	36 x P6 (X) 50 x P10 (Z)
SPINDLE		,	()	()	,	,	,
Spindle nose (chuck)	inch	A2-5 (6") A2-6 (8")	A2-5 (6") A2-6 (8")	A2-8 (10")	A2-8 (12") (A2-11 for CV, LSB)	A2-11 (15")	A2-11 (15")
Max. spindle speed	rpm	6000 4200 (opt. 3500)	6000 4200	3500 (opt. 2500)	2500 (opt. 2000)	2500	1500
Spindle motor power	kW	7.5 / 9.0	11 / 15 (opt. 7.5 / 9)	15 / 18.5 (18.5 / 22)	22 / 26 (opt. 30 / 37) With gearbox	30 / 37 With gearbox	30 / 37 With gearbox
Bearing inside dia.	mm	90 100	90 100	130 (160 for LSB)	160 (220 for LSB)	160 (220 for LSB)	180
Spindle bore	mm	52 62	52 62	87 (105 for LSB)	105 (160 for LSB)	105 (160 for LSB)	123
TURRET							
No. of tools	no.	12 10 (opt. 8)	12 10 (opt. 8)	10	10 (12 for CV)	10 (opt. 12) (12 for VT-40CV)	10 (12 for CV)
No. of live tools	no.	-	12	-	6	6	6
Tool shank size	mm	20 20 (opt. 25)	20 25	25	32	32	32
Max. boring bar dia.	mm	32 (VDI-30) 40 (VDI-40)	32 (VDI-30) 40 (VDI-30)	50 (VDI-40)	50 (VDI-50)	50 (VDI-50)	60 (VDI-50)
Exchange time (T-T)	sec	1	0.3	1	1	1	1
Milling speed	rpm	-	3000	-	2500	2500	2500
Milling motor	kW	-	3.0	-	7.0	7.0	7.0
TAILSTOCK							
Quill dia.	mm	75	75	110	110	150	150
Quill stroke	mm	80	80	100	100	150	150
Quill taper		MT#4	MT#4	MT#4	MT#4	MT#5	MT#5
OTHER							
CNC controller (FANUC)		0i-TD	0i-TD	0i-TD	0i-TD	0i-TD (10.4")	0i-TD
Tank capacity	L.	87	130	100 130	130 150	450	250
Approx. machine size	m	3.3 x 1.95 x 1.65	3.3 x 1.95 x 1.7	3.8(3.9) x 2 x 2 4.4(4.5) x 1.7 x 2	4.7 x 2.3 x 2.2 5.2 x 2.3 x 2.2	6.7 x 2.7 x 2.2	6.2 x 2.5 x 2.5
Net weight	kg	4000	4200	5400 6000	8000 9100	14000	13500

Machine and controller specifications are subject to change without notice.

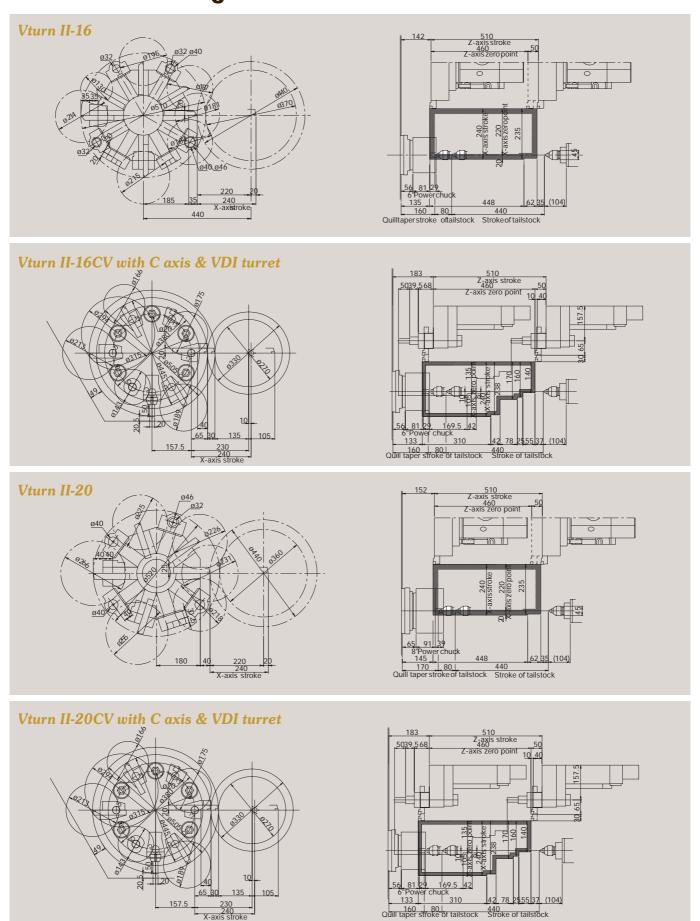
Standard Accessories

- · Power chuck with soft jaws
- · Programmable tailstock
- · Chip conveyor
- · Automatic forced lubrication
- · Fully enclosed splash guarding
- · Tool holders (excl. VDI turret system)
- · Fanuc 0i-TD control
- · 3 step warning light
- · Air conditioner for electrical cabinet (excl. Vturn-26HD)

Optional Accessories

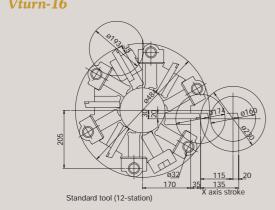
- · Kitagawa® chuck
- · Hard jaws
- · Tailstock center
- · Manual tool presenter
- · Automatic tool presenter
- · Parts catcher
- · High pressure coolants
- · Auto door
- · Air blow system
- · Oil-mist remover

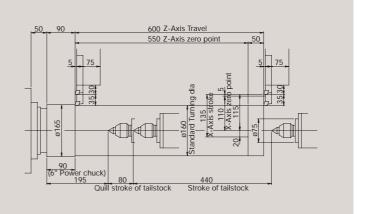
- · Bar feeder interface
- · Steady rest (Manual or hydraulic)
- · C-axis with live tooling (CV) for Vturn-36 / 40 / 46
- · VDI turret
- · 12" chuck/3000rpm for Vturn-26(HD)
- · Bigger chuck on Vturn-36 / 40 / 45 / 46
- High/low chucking pressure
 Large spindle bore for Vturn-36 / 45



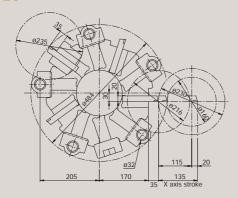


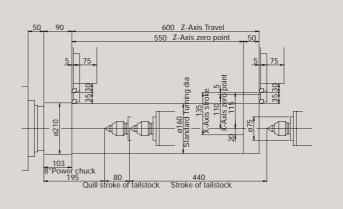




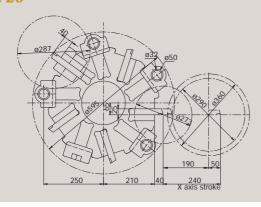


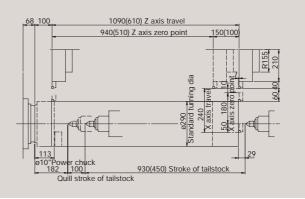
Vturn-20



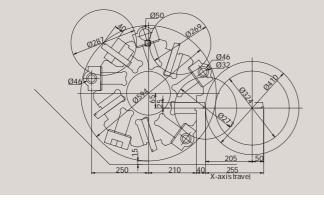


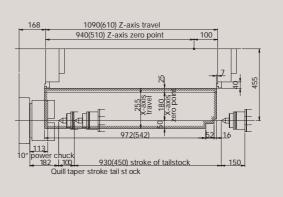
Vturn-26

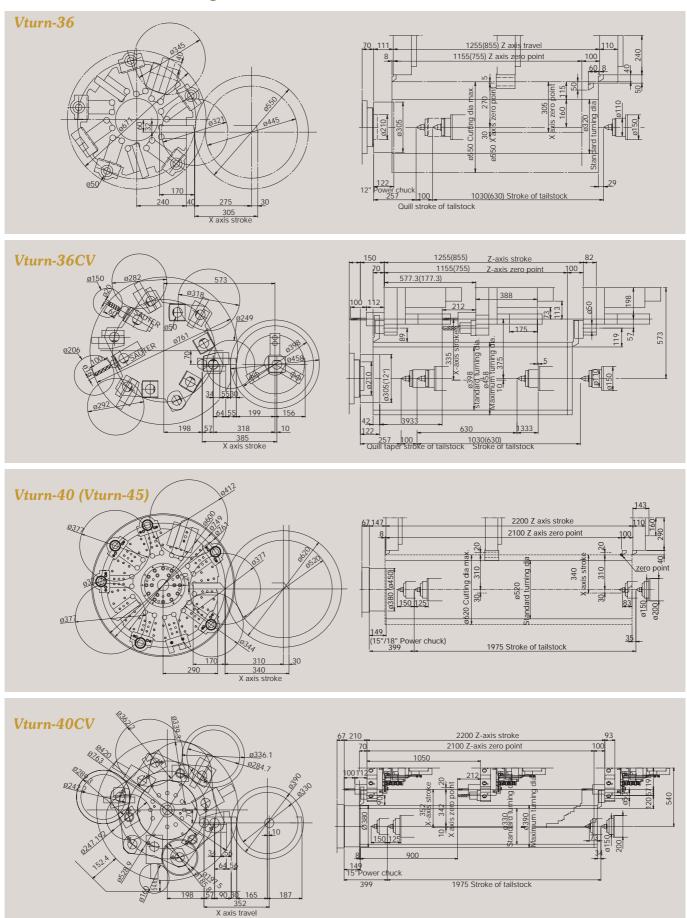




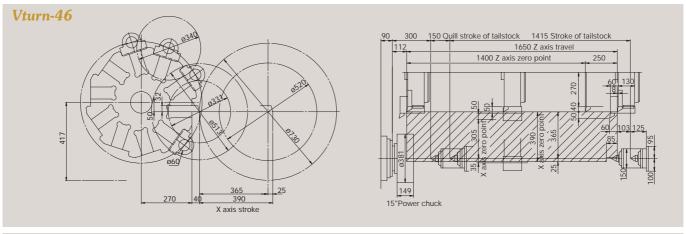
Vturn-26HD

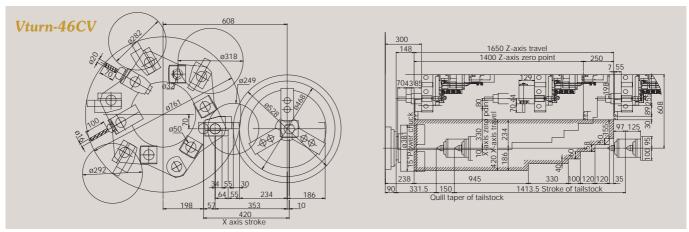








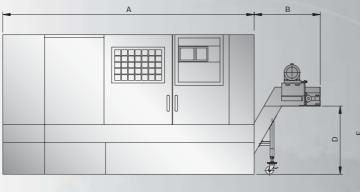


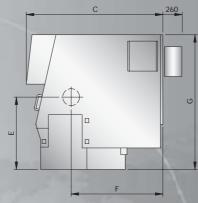


TOOL \ MODEL	Vturn-16 VturnII-16	Vturn-20	VturnII-20	Vturn-26 Vturn-26HD	Vturn-36 Vturn-40 Vturn-45	Vturn-46
Tool shank for turret disk	20 mm	20 mm	25 mm	25 mm	32 mm	32 mm
Maximum boring bar dia.	32 mm	32 mm	40 mm	50 mm	50 mm	60 mm
Face + O.D. cutting tool holder	2	2	2	2	1	1
Face + I.D. cutting tool holder	1	1	1	1	1	1
Extended I.D. cutting tool holder	-	-	-	-	-	2
Boring bar holder	-	-	-	-	-	-
32 mm	6	6	-	-	-	-
40 mm	-	-	4	5	-	_
50 mm	-	-	-	1	5	-
60 mm	-	-	-	-	-	5
Boring bar sleeve						
8 mm	1	1	-	1	-	-
10 mm	2	2	2	2	1	-
12 mm	2	2	2	2	1	_
16 mm	2	2	2	2	2	-
20 mm	2	2	2	2	2	2
25 mm	2	2	2	2	2	2
32 mm	-	-	2	2	2	2
40 mm	-	-	-	-	2	2
50 mm	-	-	-	-	-	2
Drill socket						
MT1	Opt.	Opt.	1	-	-	-
MT2	1	1	1	Opt.	-	_
MT3	Opt.	Opt.	1	1	Opt.	-
MT4	-	-	-	Opt.	i	1
U drill holder						
32 mm	1	1	-	-	-	-
40 mm	-	-	1	1	-	-
U drill socket						
20 mm	1	1	Opt.	Opt.	-	-
25 mm	1	1	1	1	1	_
32 mm	_	_	_	1	1	2
40 mm	_	_	_	_	Opt.	2
Tooling accessories	are subject	to change	without no	tico		

O.D & Facing tool Face & O.D cutting tool holder Face & O.D cutting tool holder I.D & Facing tool Coolant block "U" Drill Socket "U" Drill Boring bar sleeve Large dia.boring bar 000 Boring bar slee 0 Turret disc Drill socket(MT#) Boring bar/drill Drill holder I.D & Facing tool Extended tool holder (available with VT-46 only)

For direct mounting on turret





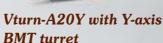
ITEM \ MODEL	Vturn-16 Vturn-20	VturnII-16 VturnII-20	Vturn-26(HD) Vturn-26/110 (HD)	Vturn-36/85 Vturn-36/125	Vturn-40/220 Vturn-45/220	Vturn-46/165
Α	2540	2300	3025 (3175) 3600 (3750)	3640 4140	5633	5180
В	750	930 + 1300 move out	750	1070	1207+460 move out	1030
С	1500	1685	1745	1985	2446	2167
D (CE mark)	800 (563)	890 (750)	855 (678)	1100 (994)	1264 (914)	1065 (899)
E	900	956	960	1108	1201	1165
F	1050	1255	1175	1352	1453	1364
G	1650	1700	1940	2205	2313	2365







Vturn-V560 vertical lathe





VTL





THE VICTOR-TAICHUNG COMPANIES

TAIWAN

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