

XZ BOX WAYS

VTL SERIES

HIGH PRECISION TURNING

VERTICAL POWER

- ▶ 2-Step Gear Transmission
- ▶ Up to 32" Chuck Diameter
- ▶ Up to 2500 rpm Chuck Speed

*A rigid
and stable
platform for
heavy-duty
cutting.*



VIPER



*Powerful
Spindle
Drive*

VTL Series

600

750

900

1100



High Precision Turning

Power-up more productivity with the Viper VTL

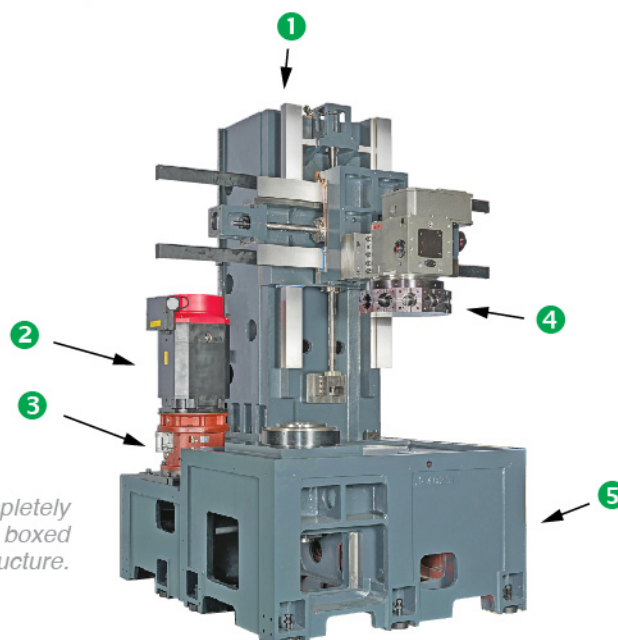
New Alex-Tech VTL-600 to 1100 series vertical turning lathe provides efficient cutting coupled with high precision accuracy. Viper feed capacity provides excellent vibration absorption and chatter-free cutting. Designed with a box-type base and column for a highly dependable, highly rigid structure. Workholding chuck size up to 32" and a maximum turning diameter of 43".

Fully enclosed splash guard protects operator from coolant and metal chips.

Accelerate Productivity

High-efficiency to heavy-duty machining

- ① XZ Box ways
- ② 50 hp table motor
- ③ 2-step table speed
- ④ 12 Station turret
- ⑤ One piece cast iron base, high grade Meehanite casting



Completely enclosed boxed design structure.

Excellent Rigidity



Unique base design provides greater disposal of chips



BMT turret provides drilling and tapping function

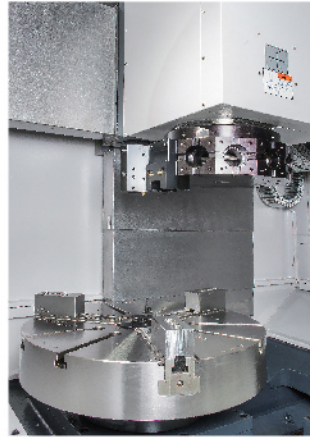


Motor with 2-step inline gear transmission

Powerful Spindle

Smooth tuning of heavy loads

The VTL provides big vertical turning by easily supporting heavy weight material. The spindle coupled with a 3-jaw power chuck yields excellent machine performance.



Heavy weight turning easily turn up to 5500 lb.

Extend Tool Service Life

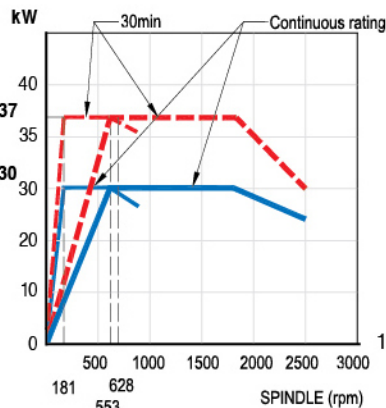
Save time and control runoff

Add a tool setter measurement device to save time and improve tool management. A tool setter has the practical value of reducing tool wear and extending service life while maximizing overall productivity.



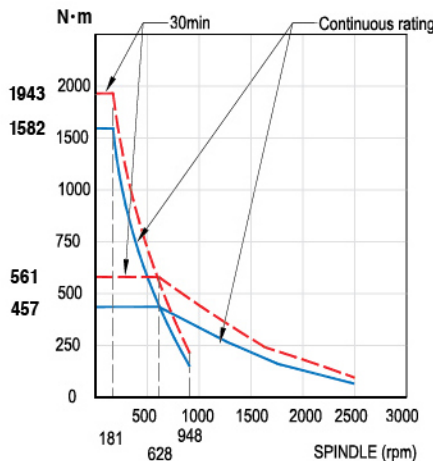
Realize greater material removal

Horsepower

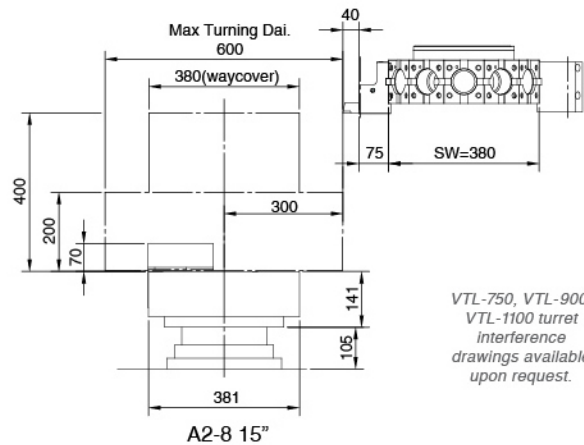


A2-8
15" Chuck

Torque



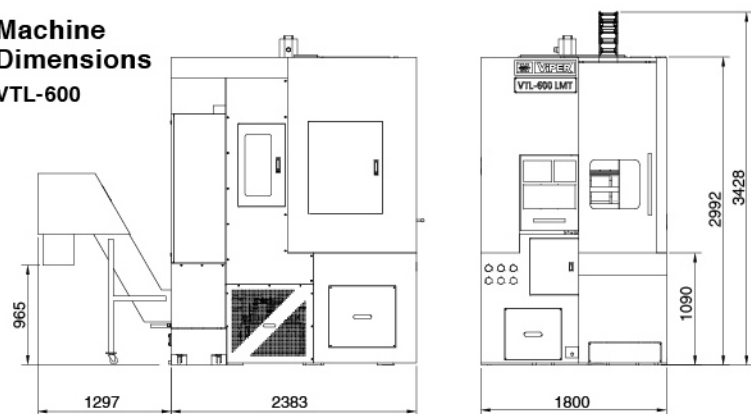
Turret Interference VTL-600



VTL-750, VTL-900,
VTL-1100 turret
interference
drawings available
upon request.

Units = inch

Machine Dimensions VTL-600



VTL-750, VTL-900, VTL-1100 dimensions drawing available upon request

Machine Specifications

SPECIFICATIONS	Unit	VTL-600T	VTL-750T	VTL-900T	VTL-1100T
Table Diameter	mm/ Inch	380 / 15"	460 / 18"	610 / 24"	800 / 32"
Max. Turning Diameter	mm/ Inch	600 / 23.6	ψ750	ψ900	ψ1100
Max. Swing	mm/ Inch	700 / 27.56	900	1,000	1,300
Swing over waycover	mm/ Inch	380	610	700	900
Recom. turning diameter	mm/ Inch	380	610	700	900
Max. Turning Height	mm/ inch	400 / 15.7"	760 / 30"	850 / 33.46"	1000 / 39.37"
Max. Mass of Workpiece	kg/ Lbs	750 / 1650	1,500	2000 / 4,400	2,500 / 5,500
Max. Torque of Table	NM/ lbs-ft	1921 (1=6.33)	2557(1=8.4)	3540(1=12)	8190(1=18)
Max. Cutting Force	N / Lb	10,110	11,120	11,606	20,475
X axis Stroke	mm/ inch	-45 / +350	-25 / +400	-25 / +475	-25 / +575
X axis ballscrew diameter	mm/ inch	50XP12 / 2XP0.5	50XP12 / 2XP0.5	50XP12 / 2XP0.5	50XP12 / 2XP0.5
Z axis Stroke	mm/ inch	400 / 15.7"	760 / 30"	850 / 33.46"	1000 / 39.37"
Z axis ballscrew diameter	mm/ inch	50XP10 / 2XP0.39	50XP10 / 2XP0.39	50XP10 / 2XP0.39	50XP10 / 2XP0.39
Turret Type		BMT65 / VDI40	BMT75 / VDI60	BMT85	BMT85
Number of tool station	pcs	12	12	12	12
Tool Size	mm/ inch	25/1"		32 / 1.26"	32 / 1.26"
Live Spindle Speed	rpm	4000	3000	3000	3000
Max. Tap Diameter	mm/ inch	M18/0.7 (Carbon Steel Workpiece)	M20/0.8 (Carbon Steel Workpiece)	M24/1.0 (Carbon Steel Workpiece)	M24/1.0 (Carbon Steel Workpiece)
Spindle	type	A2-8	A2-11	A2-15	A2-15
Table Speed(2 steps)	rpm	1-1120, 900-2500	1-550, 500-2000	1-320, 300-1800	1-180, 175-850
Rapid traverse (X axis)	mm/min	24,000	20,000	18,000	12,000
	inch/min	945			472
Rapid traverse (Z axis)	mm/min	7,500	7,500	7,500	7,500
	inch/min	295	295	295	295
Table Main Motor	kw	37 / 30(a30)	37 / 30(a30)	45 / 37(a40)	55 / 45(a50)
	HP	50 / 40	50 / 40	60 / 50	75 / 60
X axis Servo Motor	Kw/HP	4.0 / 5.4(a22)	4.0 / 5.4(a22)	4.0 / 5.4(a22)	7.0 / 9.3(a30)
Z axis Servo Motor	Kw/HP	7.0 / 9.3(a30)	7.0 / 9.3(a30)	7.0 / 9.3(a30)	7.0 / 9.3(a30)
Turret Motor	Kw/HP	7.5 / 5.5(a3)	11 / 15(a8)	11 / 15(a8)	11 / 15(a8)
Hydraulic Motor	kw	2.2	3.75	3.75	3.75
Lube. Motor	kw	0.75	0.75	0.75	0.75
	HP	1	1	1	1
Total Power Capacity	KVA	70 KAV		85 KAV	100 KAV
Machine Weight	kg/Lbs.	9,590 / 21,098	11,000 / 24,200	15,000 / 33,000	18,500 / 40,700

*Carbon steel workpiece

Design and specifications are subject to change without prior notice.

STANDARD ACCESSORIES

- FANUC 0i-T CNC control
- VTL-600LT/RT with standard 12 Station static turret
- VTL-600LMT/RMT with 12 Station BMT milling turret
- Automatic forced lubrication system

- Telescopic steel way covers
- Coolant system and coolant through the turret
- Splash guard
- One (1) year machine warranty
- Two (2) year control warranty
- Chip conveyor system

Optional Accessories

- 50 hp motor
- Tool setter
- Coolant through turret manual adjustable from 360 ~ 900 psi