

Vertical Turning Centers



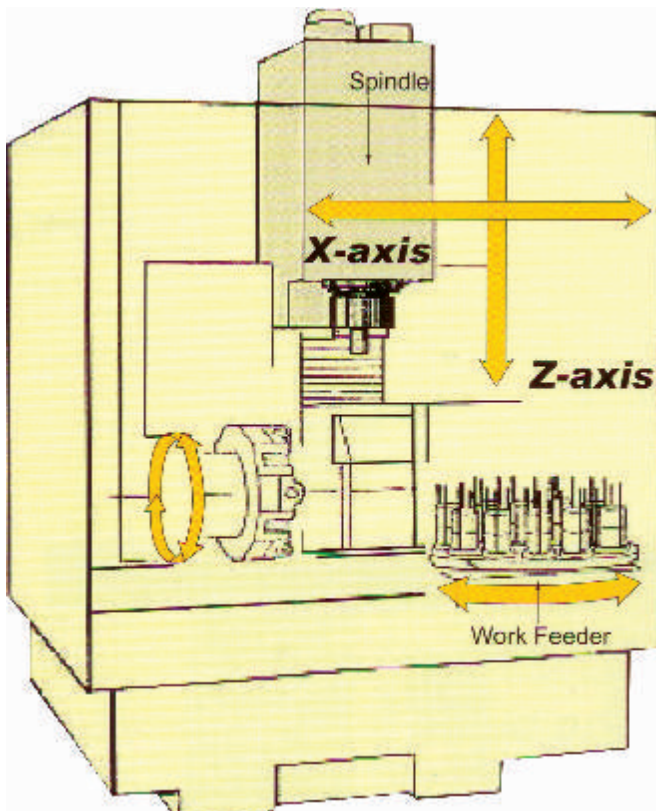
Inverted Vertical Series

TGL-15/20/30

Reasons for Inverted Vertical Turning Center:
Quick Automation, High cost performance & High chip disposal capability.

Spindle:
Thermo symmetric spindle head structure with less distortion in radial direction and high efficiency low heat spindle motor with advanced control technology are employed.

Loaderless System:
Vertical Spindle head travels horizontally (X-axis) and vertically (Z-axis) as if were a loader and the chuck facing down works as a hand to load and unload work pieces. (maximum work diameter - 100 mm).



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Specification

Item	Specification	Unit	TGL-15	TGL-20	TGL-30
Capacity	Max. Swing Dia.	mm	Ø300	Ø450	Ø650
	Max. Turning Dia.	mm	Ø100/(Ø150)	Ø370	Ø500
	Feeder Workpiece(Dia./Length)	mm	Ø100x100	Ø200x150	Ø300x220
	Max. Machining Weight	kg	6	20	70
	Chuck Size	inch	6"/8"	8"/10"	10"/12"
Spindle	Spindle Speed	RPM	6000	4500	3500
	Spindle Nose		A2-5	A2-6	A2-8
	Hole Through Spindle	mm	Ø52	Ø62	Ø80
	Spindle Motor	kW	7.5/5.5	18.5/11	30/22
	Spindle Dia.	mm	Ø90	Ø100	Ø130
Servo Turret	Tool Station		12	12	12
	O.D. Tool Holder	mm	25	25	25
	I.D. Tool Holder	mm	Ø32	Ø40	Ø40
	Driving System		NC	NC	NC
Feed	X/Z Axis Rapid Traverse	m/min	36/36	36/30	36/30
	X-Axis Servo Motor	kW	3	3	4
	Z-Axis Servo Motor	kW	4	4	7
	X/Z Cutting Travel	mm	180+120/260	260+1050/370	300+1600/600
Hydraulic	Hydraulic Tank Capacity	L	30	30	30
	Hydraulic Motor	kW	1.5	1.5	1.5
Coolant	Coolant Tank Capacity	L	120	140	210
	Coolant Motor	kW	0.37	0.37	0.37
Machine	LxWxH	mm	1930x1712x2400	2291x2843x2680	2838x3635x3325
	Weight	kg	3600	5000	9700