



# CNC VERTICAL TURNING CENTRES

**1200 - 2000MM**



Machine Tool Exporters to the World since 1940

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This Ajax range of CNC vertical turning & boring centres offer rigidity power and speed to accomplish today's toughest machining applications. These heavy duty vertical turning centres not only provide massive torque and rigidity but also the cutting flexibility to carry out the toughest turning & milling tasks. The maximum size can be up to 2,500mm diameter by 1,600mm long and weighing up to 21,000 kgs. The optional live tooling with full C-axis function offers even greater levels of flexible machining capabilities.

The one-piece column casting has a wide rigid ribbed box structure to dramatically decrease vibration, thermal expansion and deformation caused by cutting stress. The oversize box ways are heat treated to Rockwell 55. All contact surfaces are hand scraped to ensure the highest accuracy.

The range also has the option of live tooling giving these machines the ability to turn and mill the component in a single setting giving these machines the true edge required in today's market.

Fitted with industry leading Fanuc Oi TD CNC control system ensures ultimate control & reliability, which can be upgraded to the Manual Guide i version with fully conversational control and full 3D graphics to make even the hardest job simple.



STANDARD ACCESSORIES

- Manual 4-Jaw chuck
- Swarf conveyor with coolant tank
- Oil & water separator
- High pressure coolant 3 Bar



AJVTC Control

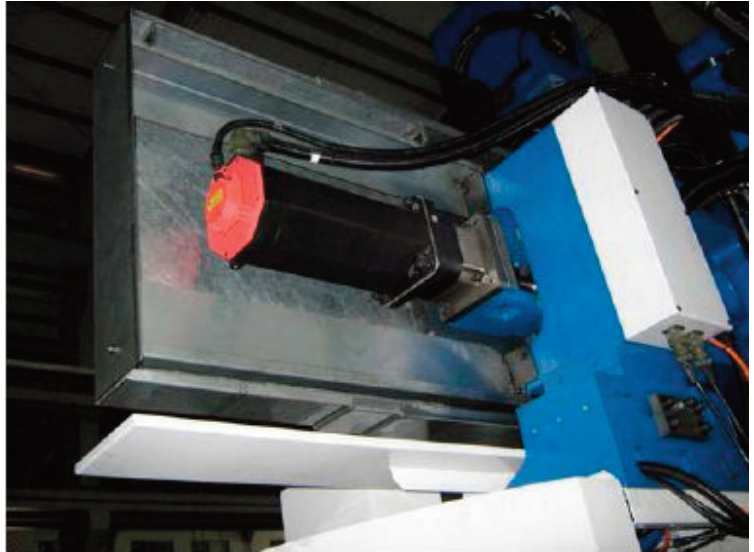
MODEL	AJVTC 1200	AJVTC 1600	AJVTC 2000
Max Turned Dia (mm)	1,600	2,000	2,500
Table Diameter (mm)	1,250	1,600	2,000
Max Work Height (mm)	1,250	1,600	1,600
Max Table Load (Kg)	9,000	14,000	21,000
Chuch Speeds (rpm)	2 - 350	1 - 250	1 - 200
Number of Speed Ranges	2	2	2
X Axis Rapid Feed Rate (mm/min)	12,000	12,000	12,000
Z Axis Rapid Feed Rate (mm/min)	10,000	10,000	10,000
X Axis Travel (mm)	1,900	2,550	2,950
Z Axis Travel (mm)	900	1,000	1,000
Cross Rail Travel (mm)	800	800	800
Tool Magazine (ATC)	18	18	18
Tooling	BT 50	BT 50	BT 50
X & Z Axis Motors (Kw)	6	6	6
Main Motor Power (Kw)	37	45	45
Overall Size (cm)	476x 278x 521	519x 346x 587	560x 398x 587
Net Weight (Kg)	20,000	28,000	32,000

LIVE TOOLING SPINDLE (OPTIONAL)			
Spindle Power (Kw)	11	15	15
Spindle Speeds (Rpm)	2 - 2,400	50 - 2,250	50 - 2,250
Tool Magazine 18 (ATC)	9 Static 9 Live	9 Static 9 Live	9 Static 9 Live
Max Drilling capacity (mm)	50	50	50
Max Tapping Capacity (mm)	M30	M30	M30

TECHNICAL SPECIFICATIONS



**AJVTC Ram**



**AJVTC Cross Slide**



**AJVTC Column**



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