Machinery

CHIAH CHYUN

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CT3

2 Spindles
2 Y-Axis
3 Turrets

48 Live Tools
Built-in Spindles
Independent Front/Back Y-Axis

- The CT3 delivers double Y-axis machining. This allows you to perform complex Y-axis cutting for both front and back machining without the need to share the turret. This drastically decreases your cutting cycle time, increasing your production efficiency.
- The unique double turret design puts the Y-axis on the X-axis block. This helps to save space and simplify control whilst delivering increased stability and precision cutting.
- The servo turrets are designed and built by CC Machinery especially for the CT series and combine rapid positioning with an efficient chiller system to avoid thermal deformation and an oil mist lubrication system to make sure the turrets run smoothly for years.
- The CT series all use a single piece casting for the base to enhance rigidity and precision, as well as ensuring an excellent surface finish.

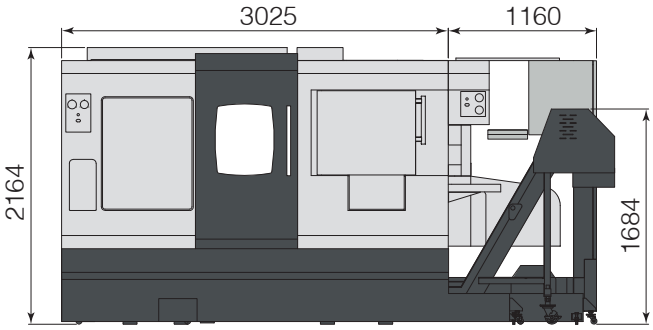
CE

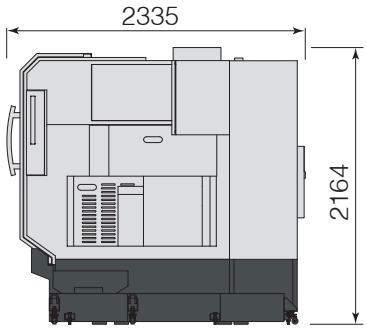
Machinery Advanced Machining Solutions

Competence and Capabilities

CT3

Machine Layout





Unit: mm

Specifications

Model		CT3-52Y2M	CT3-76Y2M	
Control Unit	Controller	MITSUBISHI	MITSUBISHI	FANUC
Capacity	Max. Turning Dia.	∅325 mm		
	Standard Turning Dia.	∅210 mm		
	Max. Turning Length	310 mm	285mm	
Axes Specification	X1/X2/X3-Axis Travel	227.5/227.5/230 mm		
	Z1/Z2/Z3-Axis Travel	310/250/440 mm	252/250/382 mm	
	Y1/Y2-Axis Travel	± 50/± 50 mm		
	X/Y/Z-Axis Motor	2.2 kW	2.2 kW	2.7 kW
	X/Y/Z-Axis Rapid Travel Speed	16 / 6 / 40 m/min		
	B-Axis Travel	775 mm	655 mm	
	B-Axis Motor	2.2 kW	2.2 kW	2.7 kW
	B-Axis Rapid Travel Speed	40 m/min		
	Min. Input Unit	0.001 mm		
Spindle	Max. Bar Feeding Dia.	∅51 mm	∅76 mm	
	Spindle Motor	7.5/11 kW	15/22 kW	18/22 kW
	Max. Spindle Speed	4000rpm(Op:6000 rpm)	4000 rpm	
	Spindle Nose	A2-5	A2-6	
	Chuck Size	6"	8"	
Sub Spindle	Max. Bar Feeding Dia.	∅51 mm	∅65 mm	
	Spindle Motor	7.5/11 kW	7.5/11 kW	18/22 kW
	Max. Sub Spindle Speed	4000rpm(Op:6000 rpm)	4000 rpm	
	Spindle Nose	A2-5	A2-6	
	Chuck Size	6"	8"	
L, R, C	Min. Moving Unit	0.001°		
	C-Axis Rapid Travel Rate	600 min^{-1}		
Live Tooling Turret	O.D. Turning Tool Size	□25 mm		
	I.D. Turning Tool Size	∅25 mm		
	Rotating Mode	Single Tool Transmission		
	Live Tooling rpm	60~6000 min^{-1}		
	Live Tooling Motor	3.7/5.5 kW	3.7/5.5 kW	4.5 kW
	Collet Size	ER∅32		
	Tool Holder & Tool Size	BMT65		
Hydraulic	Hydraulic Motor	5HP / 3.7 kW		
Coolant Pump	Spindle Coolant Pump	1HP / 0.75 kW		
	Turret Coolant Motor	1HP / 0.75 kW		
	Chip Flush Pump	1HP / 0.75 kW		
	Sub-Spindle Internal Coolant Pump	1HP / 0.75 kW		
Tank Capacity	Hydraulic Tank	48L		
	Coolant Tank	305L		
Machine	Voltage stabilizer / transformer	220V/60KVA		
	Machine size (LxWxH) (includes chip conveyor)	4327 x 2335 x 2164 mm		
	Machine N.W.(includes chip conveyor)	11100 kg	11200 kg	

* Design and specs subject to change without notice. * M: Mitsubishi, F: Fanuc

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