



i-42 Robo

This 4 axis lathe with C-axis and live tooling provides the added advantage of robotic loading for unmanned chucking operations

This machine is a modified version of the IT-42 with internal integration of a Mitsubishi 6 axis articulated robot. This requires no additional floor space, and is positioned so it will not hinder the machine operator while setting the machine, or operating the Mitsubishi M70 control system.

Specification

Mitsubishi Controller M70						
Spindle Capacity	Max. Bar Working Dia	42.0mm/60.0mm (option)	Mitsubishi Motor	Main-spindle	AC Spindle 7.5kw/11.0kw(option)	
	Spindle Max. Turning Length	200.0 mm		X/Z axis spindle	AC Servo 1.0kw	
	Spindle Collet Chuck Type	KK5-173E42B/KK6-185E60 B(option)		Motorized Tool	AC Servo 1.0kw/1.5kw (option)	
	Spindle Nose	ISO(DIN) A2-5/ A2-6				
	Spindle Bore	44.0/62.0mm(option)				
Spindle Speed Range	3000 rpm/4000 rpm(4000 rpm/6000 rpm option)	Hydraulic System	Hydraulic Motor	0.75 kw		
C Axis	Positioning Accuracy	0.001 °	Lubrication	Max. Pressure	50 kg/cm ²	
Travel & Feed	X/Y/Zaxis Travel	150.0/415.0/230.0mm		Tank Capacity	50L	
	A.T.C System	OD Tools Main Spindle		6	Lubricant Motor	25W
ID Tools Main Spindle		4	Max. Pressure	15kg/cm ²		
Tool Shank Size		20.0mm	Tank Capacity	2 Liter		
Boring Bar (main)		ER-20/20.0mm				
Motorized Tool	Index Time	0.3sec(one)/0.6(full)	Coolant System	Coolant Motor Type	2HP coolant ; 4T5-5 hight pressure coolant	
	Number of motorized tools	6 Tools (3 Axial,3 Radial)		Coolant Tank Capacity	160L	
	Speed	4000rpm(Max.)	Machine Size	Length/Width/Height	2000/1500/1900mm	
	Size	ER-20		Weight	2750kg	
	Max.Drilling Dia.	12.0 mm				
Max. Tapping capacity	M10 X P1.25					