



i-42 Ultimate

This innovative series stands out as an automatic lathe!

The i-42 Ultimate designation comprises of 10 axis and 4 spindles which includes a sub spindle with both X and Z positioning. This also marks the integration of the driven tools having a powerful B- axis milling for simultaneous and efficient machining. Due to this enhancement, the tools application becomes more fast and flexible for complicated parts.

Specification

Mitsubishi Controller M720			
Spindle Capacity	Max. Bar Working Dia	42.0mm / 60.0mm (option)	
	Spindle Max. Turning Length.	250.0mm	
	Spindle Collet Chuck Type	KK5-173E42B / KK6-185E60B(option)	
	Spindle Nose	ISO(DIN) A2-5 / A2-6	
	Spindle Bore	42.0 / 62.0mm (option)	
	Spindle Speed Range	4000rpm / 6000rpm (option)	
Sub-Spindle Capacity	Max. Bar Working Dia	42.0mm	
	Max. Turning Length	100.0mm	
	Collet Chuck Type	KK5-173E42B	
	Nose	ISO(DIN) A2-5	
	Bore	30.0mm	
	Speed Range	4000rpm / 6000rpm (option)	
C Axis	Positioning Accuracy	0.001 °	
Travel & Feed	X/Y/Zaxis Travel	150.0 / 385.0 / 250.0mm	
	X-1 / Y-1 / Z-1axis Travel	450.0 / 400.0 / 300.0mm	
A.T.C System	OD / ID Tools Main Spindle (1st)	6 / 5	
	OD / ID Tools Sub Spindle (2nd)	5 / 9	
	Tool Shank Size	20.0mm	
	Boring Bar (main)	ER-20 / 20.0mm	
	Boring Bar (sub)	20.0mm	
Motorized Tool	Index Time	0.3sec(one) / 0.6(full)	
	Number of motorized tools	First rack 12 tools / Second rack 12 tools	
	B axis	360 °	
	Size	ER-20	
	Max.Drilling Dia.	12.0mm	
	Max. Tapping capacity	M10xP1.5	
Mitsubishi Motor	Main-spindle	AC Spindle 7.5kw / 11.0kw(option)	
	Sub-spindle	AC Spindle 3.7kw	
	X / Y / Z / X1 / Y1 / Z1 axis	AC Servo 1.5kw	
	Motorized Tool	AC Servo 1.5kw	
Hydraulic System	Hydraulic Motor / Tank Capacity	1HP / 75L	
	Max. Pressure	50kg / cm ²	
Lubrication	Lubricant Motor / Tank Capacity	25W / 2 Liter	
	Max. Pressure	15kg / cm ²	
Coolant System	Coolant Motor Type	motor : 2kw max.pressure : 5bar(4.6kg/cm ²) flow : 75L / min motor type : 4T5-5	
		Hydraulic Motor Type	motor : 1.5kw max.pressure : 25bar(55kg/cm ²) flow : 30L / min motor type : 2HP+SF-30C
		Coolant Tank Capacity	240L
	Machine Size	Length / Width / Height	3500(2900) / 1900 / 1900mm
Weight		4200kg	