



## i-42 Twin

The series is a combination of cost effective and highly productive for complex work piece!

Not only having 29 tools to make it possible to process complex work piece from inside, outside and outline, it 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 sophisticated parts. The great tool arrangement and big work area, make this outstanding, all purpose machine.

## Specification

Mitsubishi Controller M70						
Spindle Capacity	Max. Bar Working Dia	42.0mm/60.0mm (option)	Motorized Tool	Index Time	0.3sec(one)/0.6(full)	
	Spindle Max. Turning Length.	300.0mm		Number of motorized tools	12tools	
	Spindle Collet Chuck Type	KK5-173E42B/KK6-185E60 B(option)		B axis	360 °	
	Spindle Nose	ISO(DIN) A2-5/ A2-6		Speed	4000rpm(Max.)	
	Spindle Bore	44.0/62.0mm(option)		Size	ER-20	
	Spindle Speed Range	3000rpm/4000rpm (4000rpm/6000rpm option)		Max.Drilling Dia.	12.0mm	
Sub-Spindle Capacity	Max. Turning Dia.	100.0mm	Mitsubishi Motor	Max. Tapping capacity	M10xP1.5	
	Max. Bar Working Dia	42.0mm		Main-spindle	AC Spindle 7.5kw/11.0kw(option)	
	Max. Turning Length.	155.0mm		Sub-spindle	AC Spindle 3.7kw	
	Collet Chuck Type	KK5-173E42B		X/Z axis spindle	AC Servo 1.0kw	
	Nose	ISO(DIN) A2-5		X-1/Z-1 axis	AC Servo 1.0k(Z1)	
	Bore	30.0mm		Motorized Tool	AC Servo 1.0kw/1.5kw (option)	
C Axis	Positioning Accuracy	0.001 °	Hydraulic System	Hydraulic Motor	1HP	
	Travel & Feed	X/Y/Zaxis Travel		150.0/415.0/300.0mm	Max. Pressure	50kg/cm <sup>2</sup>
		X-1/Y-1/Z-1axis Travel	Z1-450.0mm	Lubrication	Tank Capacity	50L
A.T.C System	OD Tools Main Spindle	9	Coolant System		Lubricant Motor	25W
	ID Tools Main Spindle	8		Max. Pressure	15kg/cm <sup>2</sup>	
	Tool Shank Size	20.0mm		Tank Capacity	2 Liter	
	Boring Bar (main)	ER-20/20.0mm		Machine Size	Coolant Motor Type	2HP coolant ; 4T5-5 hight pressure coolant
	Boring Bar (sub)	ER-20/20.0mm			Coolant Tank Capacity	240L
			Length/Width/Height	3500(2900)/1800/1900mm		
			Weight	3800kg		