



i-42 Twin

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

Not only having 30 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)
	Spindle Max. Turning Length.	300.0mm
	Spindle Collet Chuck Type	KK5-173E42B/
		KK6-185E60B(option)
	Spindle Nose	ISO(DIN) A2-5/ A2-6
	Spindle Bore	44.0/62.0mm(option)
Spindle Speed Range	4000rpm(6000rpm)	
Sub-Spindle Capacity	Max. Turning Dia.	100.0mm
	Max. Bar Working Dia	42.0mm
	Max. Turning Length.	155.0mm
	Collet Chuck Type	KK5-173E42B
	Nose	ISO(DIN) A2-5
	Bore	30.0mm
	Speed Range	4000rpm(6000rpm)
C Axis	Positioning Accuracy	0.001 °
Travel & Feed	X/Y/Zaxis Travel	150.0 / 415.0 / 300.0mm
	X-1/Y-1/Z-1axis Travel	Z1-450.0mm
A.T.C System	OD / ID Tools Main Spindle (1st)	6 / 5
	OD / ID Tools Sub Spindle (2nd)	3 / 4
	Tool Shank Size	20.0mm
	Boring Bar (main)	ER-20/20.0mm
	Boring Bar (sub)	ER-20/20.0mm
Motorized Tool	Index Time	0.3sec(one)/0.6(full)
	Number of motorized tools	12tools
	B axis	360 °
	Speed	4000rpm(Max.)
	Size	ER-20
	Max.Drilling Dia.	12.0mm
	Max. Tapping capacity	M10xP1.5
Mitsubishi Motor	Main-spindle	AC Spindle 7.5kw(11.0kw)
	Sub-spindle	AC Spindle 3.7kw
	X/Z axis spindle	AC Servo 1.5kw
	X-1/Z-1 axis	AC Servo 1.5k(Z1)
	Motorized Tool	AC Servo 1.5kw
Hydraulic System	Hydraulic Motor / Tank Capacity	1HP / 50L
	Max. Pressure	50kg/cm ²
Lubrication	Lubricant Motor / Tank Capacity	25W / 2 Liter
	Max. Pressure	15kg/cm ²
Coolant System	Coolant Motor Type	max.pressure: 5bar(4.6kg/cm ²)
		flow:75L / min
	Hydraulic Motor Type	max.pressure: 25bar(55kg/cm ²)

		flow:30L / min
	Coolant Tank Capacity	240L
Machine Size	Length/Width/Height	3500/1800/1900mm
	Weight	3800kg