



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

Machine Type		I-42TWIN
Mitsubishi Controller		M80
Spindle Capacity	Max. Turning Dia.	100mm
	Max. Bar Working Dia.	42mm (65mm)
	Max. Turning Length	300mm
	Collet Chuck Type	KK5-173E42B (KK6-185E60B)
	Spindle Nose	A2-5 (A2-6)
	Spindle Bore	43mm (66mm)
	Max. RPM.	4000rpm (6000rpm)
Sub-spindle Capacity	Max. Turning Dia.	100mm
	Max. Bar Working Dia.	30mm
	Max. Turning Length	150mm
	Collet Chuck Type	KK5-173E42B
	Spindle Nose	A2-5
	Spindle Bore	31mm
	Max. RPM.	4000rpm (6000rpm)
C Axis	Least Command Unit	0.001 °
	Positioning Accuracy	0.02 °
Travel&Feed	X1/Y1/Z1 axis	150 / 415 / 300mm
	X2/Y2/Z2 axis	---- / ---- / 390mm
	Rapid Feed	30m/min
	Repeated Positioning Accuracy	0.005mm
Motor	Main-Spindle	Servo Spindle 11.0kw
	Sub-Spindle	Servo Spindle 3.7kw
	X1/Y1/Z1 axis	AC Servo 1.0 / 1.5 / 1.5kw
	X2/Y2/Z2 axis	AC Servo ---- / ---- / 1.0kw
	Motorized Tool	AC Servo 1.5k
A.T.C System	OD/ID Tools Main Spindle	6 / 5
	OD/ID Tools Main Spindle	3 / 4
	Tool Shank Size	20mm

	Drill Holder Size (Main)	ER-20 / Ø20mm
	Drill Holder Size (Sub)	ER-20 / Ø20mm
Motorized Tool	Number of Motorized Tools	12
	B axis	360 °
	Max. RPM.	4000rpm
	Collet Specification	ER-20
	Max. Drilling Dia.	12.0mm
	Max. Tapping Capacity	M10xP1.5
	Hydraulic System	Hydraulic Pump / Tank Capacity
Max. Pressure / Flow		30 kg/cm ² / 12L/min
Lubrication	Lubricant Pump / Tank Capacity	25W / 2L
	Max. Pressure	15 kg/cm ²
Coolant System	Coolant Pump	TPH4T5K, 5Bar, 75 L/min
	Hydraulic Pump	2HP + SF-30C, 25Bar, 30L/min
	Coolant Tank Capacity	240L
Machine Size	Length/ Width/ Height	3500 (2900) / 1900 / 1950mm
	Weight	5300kg

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