



i-42 PLUS

This CNC turning machine is capable of running two NC programs simultaneously.
 A total of 18 tools (6 of them powered) is designed to work on complex work pieces.

Specification

Machine Type		I-42PLUS		
Mitsubishi Controller		M80		
Spindle Capacity	Max. Turning Dia.	100mm		
	Max. Bar Working Dia.	42mm (65mm)		
	Max. Turning Length	230mm		
	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.	----		
	Max. Bar Working Dia.	----		
	Max. Turning Length	----		
	Collet Chuck Type	----		
	Spindle Nose	----		
	Spindle Bore	----		
Max. RPM.		----		
C Axis	Least Command Unit	0.001 °		
	Positioning Accuracy	0.02 °		
Travel&Feed	X1/Y1/Z1 axis	150 / 410 / 250mm		
	X2/Y2/Z2 axis	250 / ---- / 320mm		
	Rapid Feed	30m/min		
	Repeated Positioning Accuracy	0.005mm		
Motor	Main-Spindle	Servo Spindle 7.5kw (11.0kw)		
	Sub-Spindle	----		
	X1/Y1/Z1 axis	AC Servo 1.0 / 1.5 / 1.5kw		
	X2/Y2/Z2 axis	AC Servo 1.0 / ---- / 1.0kw		
	Motorized Tool	AC Servo 1.5kw		
A.T.C System	OD/ID Tools Main Spindle	I-42 Plus	I-42 Plus M	I-42 Plus B
		11 / 9	6 / 5	6 / 5
	OD/ID Tools Main Spindle	--- / 4 (Tail)		
	Tool Shank Size	20mm		
	Drill Holder Size (Main)	ER-20 / Ø20mm		
Drill Holder Size (Sub)	ER-20 / Ø25mm			
	Number of Motorized Tools	I-42 Plus	I-42 Plus M	I-42 Plus B

		0	6	12
Motorized Tool	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	1HP / 40L		
	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	----		
	Coolant Tank Capacity	125L		
Machine Size	Length/ Width/ Height	3200 (2500) / 1750 / 1950mm		
	Weight	4780kg		
() Option				