



## i-42 ECO

This 4 axis gang tooling lathe is an affordable alternative to a turret type,C-axis lathe.

The tooling system comprises of 6 turning, 4 boring and 6 live milling tools giving a capacity of 16 tools. Its unique design allows for rapid chip to chip times, which will generally out perform turret type machines, enabling a reduction in cycle times.

Its rigid design allows heavy duty cutting to be performed, and the 6 live tooling spindles with both C-axis and Y-axis, can complete the most complex of work pieces in one operation.

## Specification

Mitsubishi Controller M70		
Spindle Capacity	Max. Bar Working Dia	42.0mm/60.0mm (option)
	Spindle Max. Turning Length	200.0 mm
	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	3000 rpm/4000 rpm(4000 rpm/6000 rpm option)
	C Axis	Positioning Accuracy
Travel & Feed	X/Y/Zaxis Travel	150.0/415.0/230.0mm
A.T.C System	OD Tools Main Spindle	6
	ID Tools Main Spindle	4
	Tool Shank Size	20.0mm
	Boring Bar (main)	ER-20/20.0mm
Motorized Tool	Index Time	0.3sec(one)/0.6(full)
	Number of motorized tools	6 Tools (3 Axial,3 Radial)
	Speed	4000rpm(Max.)
	Size	ER-20
	Max.Drilling Dia.	12.0 mm
	Max. Tapping capacity	M10 X P1.25
Mitsubishi Motor	Main-spindle	AC Spindle 7.5kw/11.0kw(option)
	X / Y / Z axis spindle	AC Servo 1.0kw
	Motorized Tool	AC Servo 1.5kw
Lubrication	Lubricant Motor	25W
	Max. Pressure	15kg/cm <sup>2</sup>
	Lubricant Motor / Tank Capacity	25W / 2 Liter
Coolant System	Coolant Motor Type	2HP coolant ; 4T5-5 hight pressure coolant pump
	Coolant Tank Capacity	160L
Machine Size	Length/Width/Height	3350/1500/1950mm
	Weight	2750kg