

## CNC turning and milling complex lathe | i-42 PLUS

Written by Administrator

Thursday, 17 April 2014 06:43 - Last Updated Thursday, 17 April 2014 09:47

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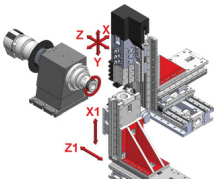
A total of 18 tools (6 of them powered) is designed to work on complex work pieces.

### i-42 PLUS

This CNC turning machine is capable of running two NC programs simultaneously.



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### Axial view

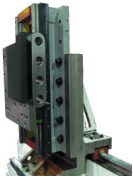
i-42 PLUS



## SPINDLE

Both spindles are cartridge type which runs on P4 high precision bearings giving high rapid and axial stability, allowing for heavy duty cutting.

The spindle is assembled and tested in a temperature controlled clean room, sealed and requires no maintenance.



## TOOLING SYSTEM

Simultaneous machining is possible from the outside as well as from the inside. Depending on the work piece, the working time can be reduced up to 50%.

### Specification

Mitsubishi Controller M70			
Spindle Max. Turning Length 200.0mm			
Spindle Max. Turning Length 200.0mm		X/Z axis spindle	AC Servo 1.0kw
Spindle Collet Chuck Type KK5-173E42B/KK6-185E60B(option)			
Spindle Nose		ISO(DIN) A2-5/ A2-6	X-1/Z-1 axis
Spindle Bore		44.0/62.0mm(option)	Motorized Tool
Spindle Speed Range		4000rpm/6000rpm (option)	Hydraulic System
C Axis		Positioning Accuracy	0.001°
Travel & Feed		X/Y/Zaxis Travel	150.0/415.0/230.0mm
X-1/Y-1/Z-1axis Travel		X1-235.0mm/Z1-335.0mm	Lubrication
A.T.C System		OD Tools Main Spindle	5

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ID Tools Main Spindle	3	Tank Capacity	2 Liter
ID Tools Sub Spindle	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 tool	6tools	Coolant System	Coolant Motor Type
Speed	4000rpm(Max.)	Coolant Tank Capacity	125L
Size	ER-20	Machine Size	Length/Width/Height
Max.Drilling Dia.	10.0mm	Weight	3200kg
Max. Tapping capacity	M8.0xP1.25		

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