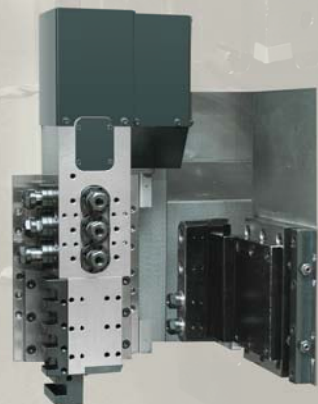


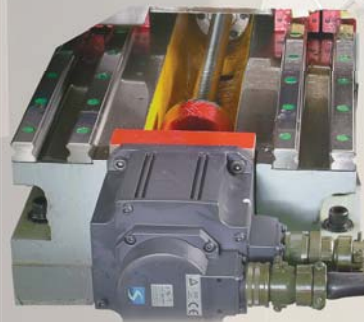
# Products **DT-42 DUO**

This CNC turning machine with a total of 20 tools (8 of them powered) is designed to work on complex work pieces. The control system is capable of running two NC programs simultaneously. For that reason, 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%.



## LINEAR GUIDEWAYS

High Speed and rigidity linear guide ways on X/Y/Z/X1/Z1 allows for fast cycle times, accurate and stable machining and a very flexible tooling system.



## Specification

Machine Type	DT-42 DUO	5 Axis Turning and Milling Complex Lathe
Controller	Mitsubishi	M70
Spindle Capacity	Spindle Max. Bar Working Dia	42.0 mm / 60.0 mm
	Spindle Max. Turning Length	100.0 mm
	Spindle Collet Chuck Type	KK5-173E/42B / KK6-185E60B
	Spindle Nose	ISO (DIN) A2-5 / ISO (DIN) A2-6
	Spindle Bore	45.0 mm / 62.0 mm
	Spindle Speed Range	4000rpm / 3000 rpm(6000rpm/4000 rpm OPTION)
	Spindle Motor	Mitsubishi Servo 7.5 kw
Travel & Feed	X axis Travel	700.0 mm
	Y axis Travel	350.0 mm
	Z axis Travel	300.0 mm
	X-1 axis Travel	250.0 mm
	Z-1 axis Travel	300.0 mm
	X axis Servo motor	Mitsubishi AC Servo 1.0kw
	Y axis Servo motor	Mitsubishi AC Servo 1.0kw
	Z axis Servo motor	Mitsubishi AC Servo 1.0kw
	X-1 axis Servo motor	Mitsubishi AC Servo 1.0kw
	Z-1 axis Servo motor	Mitsubishi AC Servo 1.0kw
A.T.C System	"1st" Workbench A.T.C System	Gang Type with Servo "Y" Axis
	Number of Tools	OD 5 Tools, ID 5 Tools
	Index Time	0.3 sec (one) / 0.6 sec (full)
	Tool Shank Size	20.0 mm
	Boring Bar	ER-20/20.0mm
Motorized Tool	Number of Tools	6 tools ( 3 Axial, 3 Radial)
	Motorized Tool Size	ER-20
	Power of Motorized Tool	1.0kw (1.5kw OPTION)
	Motorized Tool Speed	4000 rpm (Max.)
A.T.C System	"2st" Workbench A.T.C System	High Speed Gang Type
	Number of Tools	ID : 2 (4) Tools
	Index Time	0.3 sec (one) / 0.6 sec (full)
	Boring Bar	ER-20/25.0mm
Motorized Tool	Number of Motorized Tools	2 Tools
	Motorized Tool Size	ER-16
	Power of Motorized Tools	700W Servo Motor
	Motorized Tools Speed	4000 rpm (Max.)
Hydraulic System	Tank Capacity	40L
	Hydraulic Motor	1HP
	Max. Pressure	400 psi
Lubrication	Lubricant Motor	25W
	Tank Capacity	2 Liters
Coolant System	Coolant Tank Capacity	100 Liters
	Coolant Motor Type	1HP high pressure coolant pump
Machine Size	Machine Length	3100 mm
	Machine Width	1870 mm
	Machine Height	2200 mm
	Machine Weight	3200 kg

## 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.

