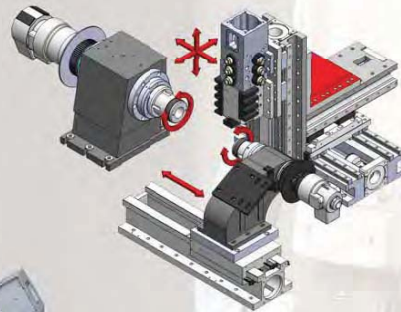


Products **DT-42 TWIN**

The DT-42 TWIN combines heavy duty construction with the highest quality components resulting in a versatile and robust machine. This machine gives you exceptional performances while reducing your costs.

Having 27 tools in place with CNC turning machine that makes it possible to process complex work piece from inside, outside and outline. The opposed spindle allows machining from rear side in simply one clamping.

The tooling design has almost no interference problems allowing the full compliment of tools to be utilized. Synchronized spindles allow rapid change from main to sub spindle. Depending on the work piece, it' s possible to perform simultaneous cutting on both main and sub-spindle.



TOOLING SYSTEM

The flexible tooling system comes with 8 standard external tools, 10 internal tools and 9 live tools (Front*3, Rear*3, Radius*3).

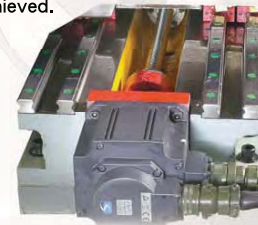
The unique tooling system can be changed easily saves every second on site. Its versatile tooling system allows complex components to be finished completely in one operation.



LINEAR GUIDEWAYS

The machine is equipped with high precision, HIWIN linear guideways.

The use of 25mm rails throughout the machine increases stability and accuracy, and allows heavier cuts to be achieved.



Specification

Machine Type	DT-42 TWIN	9 axis twin spindle turning and milling complex lathe
Controller	Mitsubishi	M70
Spindle Capacity	Spindle Max. Bar Working Dia.	42.0 mm
	Spindle Max. Turning Length.	165.0 mm
	Spindle Collet Chuck Type	KK5-173E/42B / KK6-185E/60B
	Spindle Nose	ISO (DIN) A2-5
	Spindle Bore	45.0 mm
	Spindle Speed Range	4000 rpm (6000 rpm OPTION)
	Spindle Motor	Mitsubishi Servo 7.5 kw
Sub-Spindle Capacity	Sub-Spindle Max. Turning Dia.	30.0 mm
	Sub-Spindle Max. Bar Working Dia.	30.0 mm
	Sub-Spindle Max. Turning Length.	155.0 mm
	Sub-Spindle Collet Chuck Type	KK5-163E/30B
	Sub-Spindle Nose	ISO (DIN) A2-4
	Sub-Spindle Bore	26.0 mm
	Sub-Spindle Speed Range	4000 rpm (6000 rpm OPTION)
	Sub-Spindle Motor	Mitsubishi Servo 3.7 kw
Travel & Feed	X axis Travel	180.0 mm
	Y axis Travel	380.0 mm
	Z axis Travel	300.0 mm
	Z-1 axis Travel	440.0 mm
	X axis Servo motor	Mitsubishi AC Servo 1.0kw
	Y axis Servo motor	Mitsubishi AC Servo 1.0kw(B)
	Z axis Servo motor	Mitsubishi AC Servo 1.0kw
	Z-1 axis Sermotor	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: 8 ID: 10
	Index Time	0.3 sec (one) / 0.6 (full)
	Tool Shank Size	20.0 mm
	Boring Bar	ER-20/20.0mm
Motorized Tool	Number of Tools	9 Tools(front*3, rear*3, radial*3)
	Tool Size	ER-20
	Power of Motorized Tool	Mitsubishi AC Servo 1.0kw (1.5kw OPTION)
	Max. Drilling Dia.	10.0mm
	Max. Tapping Capacity	ER-20/25.0mm
	Speed	4000rpm
Hydraulic System	Tank Capacity	40L
	Hydraulic Motor	1HP
	Max. Pressure	400 psi
Lubrication	Lubricant Motor	25W
	Tank Capacity	2 Liter
Coolant System	Coolant Tank Capacity	100 Liter
	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.

