

DUGARD

Machine Tools That Create Solutions Since 1939

Dugard 65 TTSY Multi-Axis Turning Centre Twin Turret, Twin Spindle, Y Axis



65mm Spindle Capacity

The Dugard 65TTSY has an extra large 65mm diameter spindle to handle even larger workpieces for enhanced versatility and machining capabilities



2 Spindles, 2 Turrets

The Dugard 65TTSY features a built in main spindle motor working in conjunction with a 16 station driven tool upper servo turret also incorporating Y axis $\pm 50\text{mm}$. The machine features a second spindle of equal capacity with a lower 16 station driven tool turret allowing you to easily complete all of your complex components in a single operation.

Specification	65 Twin Turret SY
Capacity	
Max turning dia	325mm
Standard turning dia	175mm
Distance between two centres	580mm
Max turning length	305mm
Bar capacity	65mm
Axis Specifications	
X1/X2 axis travel	395 / 460mm
Z1/Z2 axis travel	330 / 310mm
Y1/Y2 axis travel	±50mm
B axis travel	575m
X/Y/Z axis rapid travel speed	16/6/40 m/min
B axis rapid travel rate	40m/min
Min input unit	0.001mm
Spindle	
Max spindle speed	4000rpm
Spindle motor horsepower	11/15kW
Centre height	1188mm
Spindle nose	A2-6
Spindle bore	86mm
Spindle bearing dia	120mm
Spindle bar capacity	65mm
Chuck size	8"
2nd Spindle	
Max spindle speed	4000rpm
Spindle motor horsepower	7.5/11kW
Spindle nose	A2-6
Spindle bore	86mm
Spindle bar capacity	65mm
Chuck size	8"
L, R, C	
Min moving unit	0.001°
C axis rapid travel rate	600 m/min
Live Tool Turret	
Turret station	16-station
Square tool	25mm
Round tool	25mm
Rotating mode	single tool transmission
Live tool rpm	60–6000 min ⁻¹
Live tool motor	3.7/5.5kW
No of live tool	16 x 2
Collet size	ER 32
Tool holder and tool size	BMT 65
Motor	
Left/right spindle motors	11/7.5kW (150/79.6NM)
Live tool motor	5.5/3.7kW (23.5/14NM)
General	
Machine dimensions (L x W x H)	4016 x 2309 x 2139mm (inc chip conveyor)
Machine net weight	10,300kg (inc chip conveyor)
Power	57KVA
Hydraulic motor	3HP/2.2kW
Coolant motor	1.7HP/1.27kW
Hydraulic tank	40L
Coolant tank	280L



Dugard 65TTSY Structure

- Y axis machining front and back
- X Y Z B axes
- Roller type linear guideways
- Smooth performance
- Excellent repeatable accuracy



48 Fully Driven Tool Positions for a massive range of tooling options



Done in One

The Dugard 65TTSY has the cutting versatility to complete all of your complex parts in a single machining cycle