

## Dugard X5-800 Five Axis Vertical Machining Centre

### Machine Specification

Made in Taiwan  
Heidenhain TNC640 control

### Kessler Torque Table

Working table size	Ø800mm
Workpiece dimensions	Ø800 x H600mm
Table load	1300kg
Spindle nose to table surface	100~750mm
T slot (width x no)	14mm x 7
A axis rotation range	±120°
A axis rotation speed	80rpm
C axis	360°
C axis rotation speed	100rpm
X axis travel	800mm
Y axis travel	900mm
Z axis travel	650mm
Rapid speed	48/48/48 m/min
Cutting feed rate	15/15/15 m/min
VDI3441 positioning	0.008mm
VDI3441 repeatability	0.004mm
Spindle taper	HSK 63
Spindle power (S1/S6 40%)	25/35kW
Spindle speed	18,000rpm
Max spindle torque (S1/S2 40%)	86/130Nm
Tool storage capacity	32 ATC (64,128)
Max tool diameter with adjacent tool	75mm
Max tool diameter without adjacent tool	125mm
Max tool length	350mm
Max tool weight	7kg
Air capacity	5.5 kg/cm <sup>2</sup>
Power capacity	80 kVA
Cutting fluid capacity	750 L
Floor space (L x W x H)	5600 x 2600 x 3600mm
Machine weight	20,000kg

### Standard Equipment

Swarf conveyor and bin	
Through spindle coolant	20 bar
Heavy duty high quality cast iron frame	
Heavy duty roller guideways	
Manual handwheel	
Ethernet connection	
USB programme storage	
PC flashcard programme storage	
Rigid tapping	
Helical interpolation	
Counterbalance head	
Fully enclosed guarding	
High power coolant system	
Chip flushing system	
32 x set of pull studs	
Automatic lubrication	

**Machine Options**

64 tools

128 tools

24,000rpm spindle, 20/25kW (built in)

Renishaw spindle probe OMP60

Renishaw tool setting probe TS 27 R

Renishaw non-contact tool setter NC4-S

**Price on application – call 01273 732286 to discuss our current deals**