

## DAD-320 Specifications

### Cutting Section

X-Axis			
	Max Stroke Length	248 mm	9.75"
	Cutting Range	+/-96 mm	7.5"
	Work Width Setting Range	0 to 150 mm	0" to 6"
Y-axis			
	Max Stroke Length	162 mm	6.37"
	Cutting Range	+/- 81 mm	6.37"
	Work Width Setting Range	0 to 150 mm	0" to 6"
Z-axis			
	Max Stroke Length	40 mm	1.57"
	Travel Resolution	.0001 mm	
θ-axis			
	Maximum Rotation Angle	200° (-10° + 190°)	

### Spindle Section

Mechanism	
Bearing	Air Bearing
Rotating Speed Range	3,000 to 40,000 RPM
Output	1.5 kW

### Microscope Section

Microscope	Dual-Objective Microscope
Magnification	
	Overall :200x (on the CRT)

### Utilities Section

Power Requirements:		
Input Voltage	Three-phase, 200VAC±10%	

Power Frequency	50-60 Hz	
Grounding	The Machine Must be properly grounded	
Maximum Power Consumption	2.5 kVA	

#### **Air Requirements:**

Supply Pressure	0.49 MPa.G	71 PSI
Filtration	.00001mm/99.5% or higher	
Residual oil content	0.1 PPM Wt/Wt	
Atmospheric dew point	-15° C or Less	-5° F
Connection port	Rc (PT) 1/4" female	

#### **Water Requirements:**

##### **Wheel Coolant:**

Pressure	0.29 MPa	42 PSI
Water Temperature	Room Temp + 2° C	Room Temp + 4° F
Connection Port	Rc (PT) 1/4" Female	
Flow Rate Setting Range	3.0 l/min or higher	0.8 GPM

##### **Spindle Coolant**

Pressure	0.29 MPa	42 PSI
Water Temperature	Room Temperature	
Connection Port	Rc (PT) 1/4" female	
Consumption Flow Rate	1.5 l/min or higher	0.4 GPM

#### **Water Drainage**

Connection Port	Duct Hose	
	32 mm ID	1.26" ID

#### **Duct**

Duct Capacity	1.5 m <sup>3</sup> /min or higher	
Connection Port	Duct Hose	
	50 mm ID	2.00" ID

<b>Main Dimensions</b>	500 W x 965 D x 1425 H	20 x 38 x 56.1"
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<b>Machine Dry Weight</b>	450 kg	992 lb
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