

DAD - 321 Specifications

Cutting Section

X-Axis			
	Max Stroke Length	248 mm	9.75"
	Cutting Range	192 mm	7.5"
	Work Width Setting Range	0 to 160 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 160 mm	0" to 6"
Z-axis			
	Max Stroke Length	32 mm	1.25"
	Travel Resolution	.0001 mm	
-axis			
	Maximum Rotation Angle	380°	
		(-100° + 280°)	

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 :195 x (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	0.5 to 0.6 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:		
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Wheel Coolant:		
Pressure	0.3 MPa	42 PSI
Water Temperature	Room Temp + 2° C	Room Temp + 4° F
Connection Port	Rc (PT) 1/4" Female	
Flow Rate Setting Range	0.2 to 4 l/min or higher	

Spindle Coolant		
Pressure	0.3 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 ³ /min or higher	
Connection Port	Duct Hose	
	50 mm ID	2.00" ID
Main Dimensions	500 W x 1050 D x 1455 H	20 x 41.3 x 57.3"
Machine Dry Weight	500 kg	1100 lb