

DAD - 341 Specifications

Cutting Section

X-axis			
	Max Stroke Length	445 mm	17.5"
	Cutting Range	326 mm	12.8"
	Work Width Setting Range	0 to 203.2 mm	0" to 8"
Y-axis			
	Max Stroke Length	210 mm	8.28"
	Cutting Range	210 mm	8.28"
	Work Width Setting Range	0 to 203.2 mm	0" to 8"
Z-axis			
	Max Stroke Length	40 mm	1.57"
	Travel Resolution	.0001 mm	
-axis			
	Maximum Rotation Angle	380° (100° CW 280° CCW)	
	Motor Resolution	0.66 s	

Spindle Section

Mechanism	
Bearing	Air Bearing
Motor	DC Brushless motor
Rotating Speed Range	6,000 to 60,000 RPM
Output	1000 W

Microscope Section

Microscope	Single-Objective Microscope
Magnification	Objective: 5X
	Overall :325x (on the CRT)
Work Distance	30mm between lens cover to work surface

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	3.0 kVA	

Air Requirements:		
Supply Pressure	0.5 to 0.6 MPa.G	72.5 to 87PSI
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	
Maximum Consumption	162 l/min	5.8 CFM

Water Requirements:

Wheel Coolant:

Pressure	0.3 MPa	43.5 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 4.0 l/min	0.05 to 1.05 GPM

Spindle Coolant

Pressure	0.3 MPa	43.5 PSI
Water Temperature	Room Temperature	
Connection Port	Rc (PT) 1/4" female	
Consumption Flow Rate	1.5 l/min	0.4 GPM

Water Drainage

Connection Port	Duct Hose	
	32 mm ID	1.26" ID

Duct

Duct Capacity	5.0 m ³ /min or higher	
Connection Port	Duct Hose	

	75 mm ID	2.95" ID
Main Dimensions	863 W x 1235 D x 1235 H	34 x 48.6 x 48.6"
Machine Dry Weight	900 kg	1984 lb

DAD-341 Specifications (with 2.2 kW Spindle)

Cutting Section

X-axis			
	Max Stroke Length	445 mm	17.5"
	Cutting Range	326 mm	12.8"
	Work Width Setting Range	0 to 203.2 mm	0" to 8"
Y-axis			
	Max Stroke Length	210 mm	8.28"
	Cutting Range	210 mm	8.28"
	Work Width Setting Range	0 to 203.2 mm	0" to 8"
Z-axis			
	Max Stroke Length	40 mm	1.57"
	Travel Resolution	.0001 mm	
θ-axis			
	Maximum Rotation Angle	380°	
		(100° CW 280° CCW)	
	Motor Resolution	0.66 s	

Spindle Section

Mechanism	
Bearing	Air Bearing
Motor	DC Brushless motor
Rotating Speed Range	3,000 to 30,000 RPM
Output	2.2 kW

Microscope Section

Microscope	Single-Objective Microscope
Magnification	Objective: 5X
	Overall :325x (on the CRT)
Work Distance	30mm between lens cover to work surface

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	3.0 kVA	

Air Requirements:		
Supply Pressure	0.5 to 0.6 MPa.G	72.5 to 87PSI
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	
Maximum Consumption	162 l/min	5.8 CFM

Water Requirements:

Wheel Coolant:		
Pressure	0.3 MPa	43.5 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 4.0 l/min	0.05 to 1.05 GPM

Spindle Coolant

Pressure	0.3 MPa	43.5 PSI
Water Temperature	Room Temperature	
Connection Port	Rc (PT) 1/4" female	
Consumption Flow Rate	1.5 l/min	0.4 GPM

Water Drainage		
Connection Port	Duct Hose	
	32 mm ID	1.26" ID
Duct		
Duct Capacity	5.0 m ³ /min or higher	
Connection Port	Duct Hose	
	75 mm ID	2.95" ID
Main Dimensions	863 W x 1235 D x 1235 H	34 x 48.6 x 48.6"
Machine Dry Weight	900 kg	1984 lb