

H-Series Benchtop CNC

Recommended Minimum

Feature	Cost
3 Additive Toolheads	<u>\$6,900</u>
Touch Probe	
XYZ Ballscrew Drives	
Duet3D controller	
Additive Auto-Cleaner	\$200
2 Milling Toolheads	\$500
Heated Bed	\$250
Build Enclosure	\$325
Dry Filament Cabinet	\$250
Filament Assist	\$150/ea
Tooling Plate	\$250
Flat Vise	\$200
Rotary Axis	\$300/ea
Tailstock	\$100
Rotary Vise	\$150
3D Scanner	\$400

Specification	Value
Dimensions (with enclosure)	110cm W x 84cm D x 100cm H
Build volume (3-axis)	416mm X x 186mm Y x 210mm Z
Build volume (4-axis)	416mm X x 100mm Z (infinite drive in A)
Build volume (5-axis)	150mm D x 100mm H cylinder (+/-100° A, infinite drive in C)
Resolution	0.005mm
Mechanical repeatability	0.01mm
Axis alignment	1.8 arcmin
Max travel speed	200mm/s X, 200mm/s Y, 50mm/s Z
Spindle speed	12,000 RPM
Chip removal	Compressed air
Maximum Cutter Length	40mm
Cutter Shank Diameter	0.125in
Weight	Depends on configuration, up to 100kg
Filament diameter	1.75mm
Min filament durometer	60 ShoreA
Max extruder temperature	300°C
Filament type	Any
Nozzle sizes	0.4 and 0.8mm diameter
Max bed temperature	100°C
Max cabinet temperature	50°C (~30% RH drop)
Power requirements	1200W, 120-240V, 50/60hz, 10A (US or EU power cable supplied)
Computer interface	WiFi connection via web browser, (Ethernet optional) USB interface for setup
Software requirements	Windows required to run Diabase Wizard

See shop.diabasemachines.com for more options and pricing

