EVERBEING INT'L CORP.

Your Partner in Probing Solutions



Hot Chucks

Take your Tests Further with Temperature Control

Everbeing offers the thermal chuck plates for temperature control for analyzing characteristics of your device at different temperature points. We provide options from 2" to 12" chucks with different temperature ceilings.

Features:

- PID controller up to 0.5˚C temperature resolution
- Easy Operation for Temperature Setting
- Temperature Uniformity with 0.5% deviation
- Aluminum housing for efficient temperature ramp
- Individually Actuated Vacuum Switches for Sample Holding
- Customized Mounting Available for Competitor Stations

Additional Options

- Coaxial or Triaxial Chuck Options for Low Noise Chuck Biasing
- Cold Chuck Options Available
- Auxiliary Offset Chucks for Calibration Substrates

No. 1 Jinshan 2nd St.
Hsinchu, 30080 Taiwan, R.O.C

www.everbeingprober.com
+886-3-666-2000

HOT CHUCK

Specification Sheet

Temperature Controller Specifications

Temperature Range	RT to 200˚C (300˚C, 400˚C or higher available)
Temperature Resolution	0.5˚C
Temperature Accuracy	± 0.5˚C @ 100˚C ± 1.0˚C @ 200˚C ± 2.0˚C @ 300˚C ± 4.0˚C @ 400˚C
Heating Element Type	Resistive (DC Powered)
Ramp Rate	8˚C / minute
Digit Precision	4 Digits
Standard Cooling Method	Water Cooling (Manual)
Flow Rate	10 liters / minute

Cold Chuck Options (Requires Chambered Probe Station)

Temperature Range	-50 to 200˚C (300˚C, 400˚C or higher available)
Temperature Resolution	0.5˚C
Cooling Method	Liquid Nitrogen via Dewar (Manual)
Flow Rate	0.5 liters / minute

Chuck Specifications

Chuck Size	2”, 4”, 6”, 8”, 12”
Chuck Shape	Circle
Sample Securing Method	Vacuum Actuated
No. Of Switches	3 to 4
Chuck Material	Aluminum (Stainless Steel Optional)
Chuck Planarity	± 3 µm

Power Requirements

Electrical Input	110 VAC, 60 Hz or 220 VAC, 50/60 Hz
Power Consumption	4” | 700 W 6” | 1000 W 8” | 1500W

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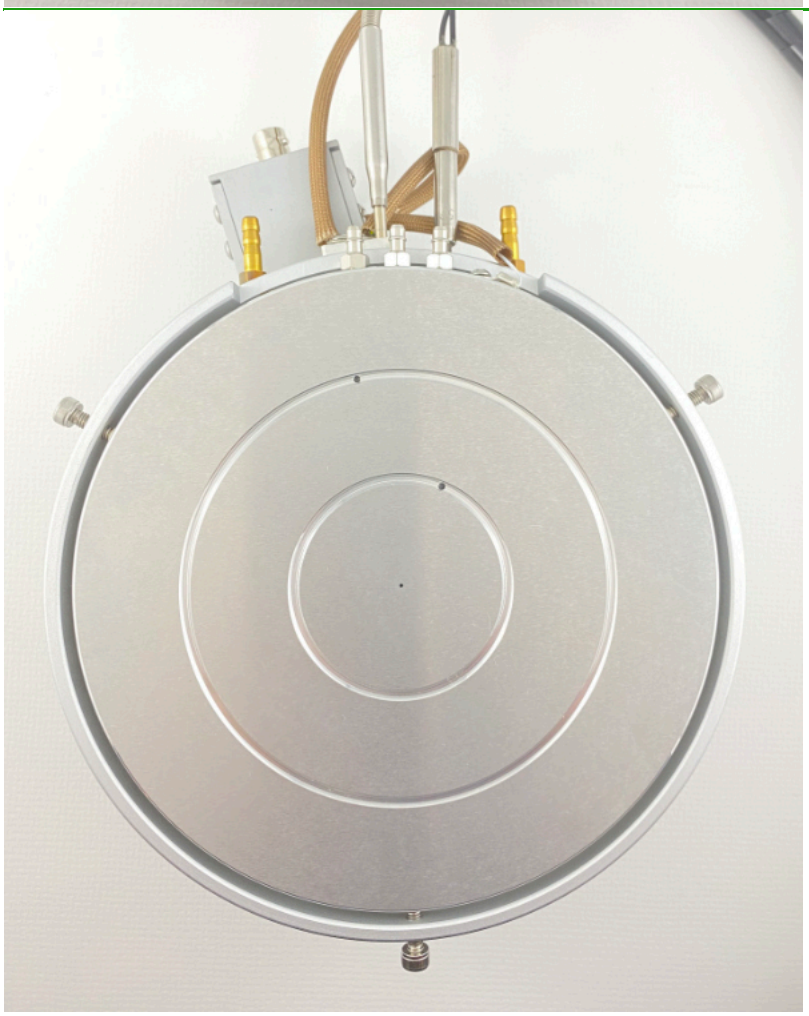
HOT CHUCK

Optional Accessories



Coaxial Hot Chuck

Our coaxial hot chuck is an alternative hot chuck option that allows back-side biasing by isolating the conductive layer apart from the heating source. Consider this option is this option is important for your measurements



Specifications:

Chuck Support:	2” to 12”
Chuck Leakage Current:	1 pA
Chuck Voltage Support:	2 kV
Electrical Connection:	BNC
Sample Securing Method	Vacuum Actuated
No. Of Switches	3 to 4
Chuck Planarity	± 3 µm
Temperature Accuracy	± 1 %

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