

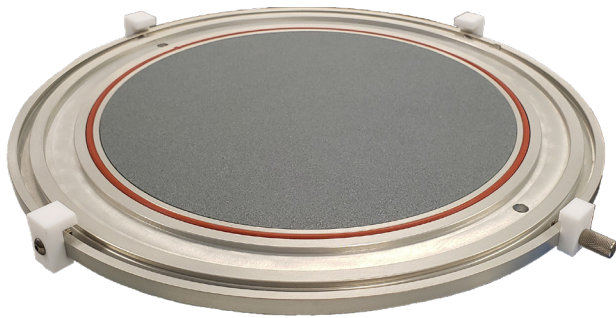
Film Frame Spin Chucks

For Cee® Equipment



The Cee® Equipment product portfolio offers over 8,000 spin chuck designs that can accommodate a wide range of substrate sizes, shapes, or materials. In-house mechanical engineers are available to modify existing concepts or create custom spin chuck designs, per specific customer requests.

Serving the Semiconductor Industry Since 1987



BENEFITS

- Mechanical clamps and a porous insert are combined for spin coating or cleaning substrates that have been taped to film frames.
- These spin chucks are constructed of a porous insert inside a recessed chuck cavity.
- This design provides an accurate auto-centering function and additional support for the substrate.
- Genuine Cee Spin chucks guarantee compatibility with and optimal performance from your Cee spin coater equipment.

CHUCK DESIGN

- Each recessed spin chuck is custom-made to the exact specifications of the customer's substrate and film frame.
- Available materials include Delrin, Kynar® (PVDF), Teflon® (PTFE), stainless steel, PEEK, and anodized aluminum
- They have the distinct advantage of completely supporting the backside of any given substrate dimension and equally distributing (diffusing) the vacuum source across the entire porous surface.

APPLICATION NOTES

- This component utilizes both vacuum O-rings and mechanical clamps for securing the outer film frame to the chuck assembly.
- Additional distinct advantages of this design include complete backside coverage and mitigation of potential rear side contamination.
- This design mitigates potential vacuum-caused deflection and damage to the fragile substrate or coated film layer.

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