Porous Ceramic 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.

CHUCK DESIGN
- Each ceramic porous spin chuck is custom-made to the exact specifications of the customer’s square or rectangular substrate
- Available materials include Delrin, Kynar® (PVDF), Teflon® (PTFE), stainless steel, PEEK, and anodized aluminum
- Completely supporting the backside of the substrate while distributing vacuum across the entire porous surface
- Precisely machined to exacting flatness specifications with no measurable runout or vibration

APPLICATION NOTES
- For demanding applications, use of an optional centering device ensures accurate and repeatable centering of circular substrates.
- 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.