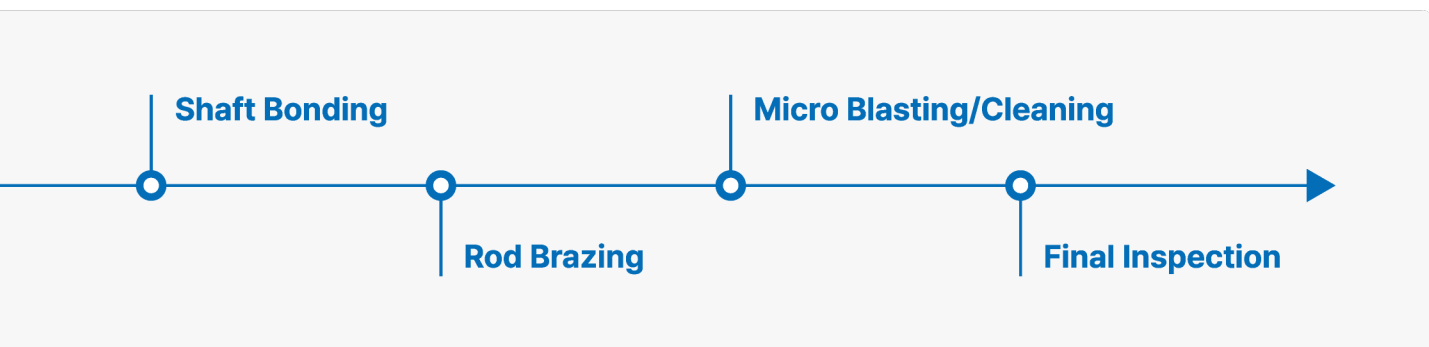
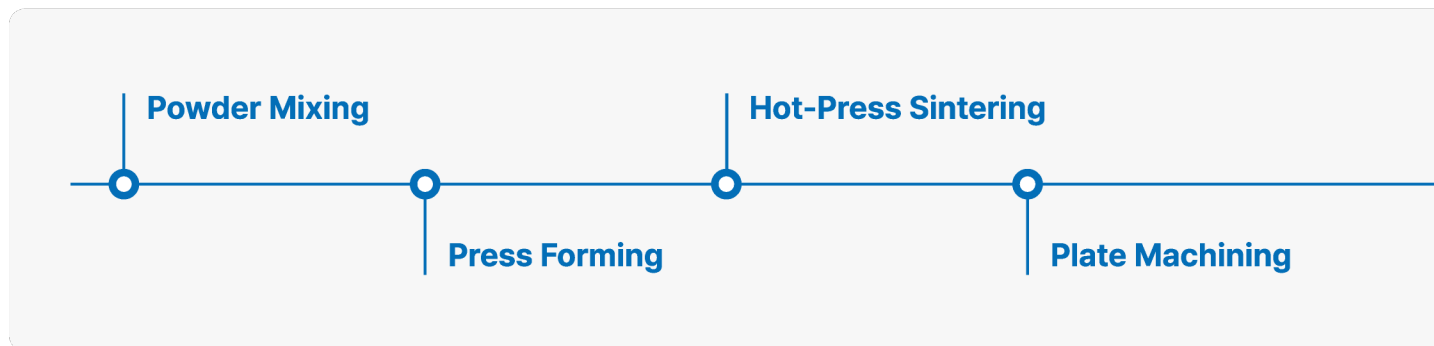


Ceramic Heater

Due to the material characteristics of AlN, Ceramic Heaters provide excellent corrosion and plasma resistance as well as thermal conductivity, making them suitable for processes of extreme conditions and high-temperatures(0 ~ 700°C).

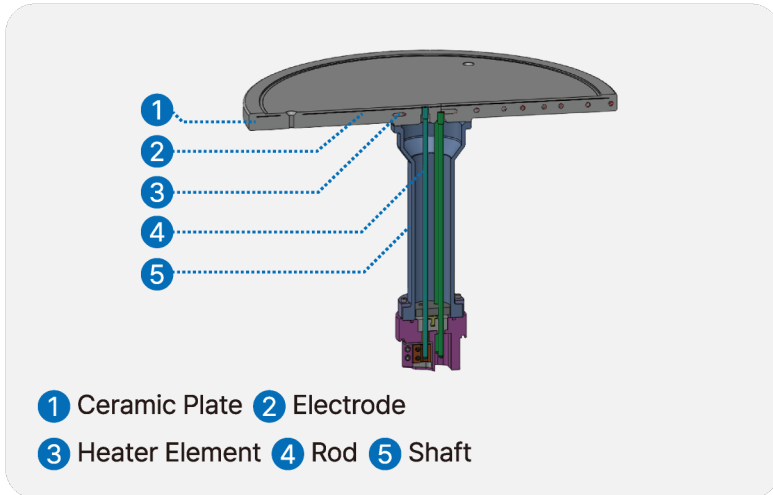
Manufacturing Process Flow



Applications	PE-CVD	LP-CVD	AP-CVD	Annealing	Diffusion
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Manufacturing Specifications



Sizes

200mm, 300mm

Heater Types

Single Zone, Dual Zone, Multi Zone

Plate Sintering

Hot Press

RF Electrode

Molybdenum Mesh

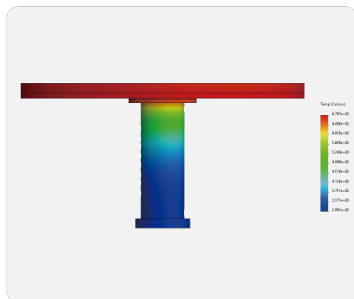
Temperature Uniformity

$\leq \pm 1\%$

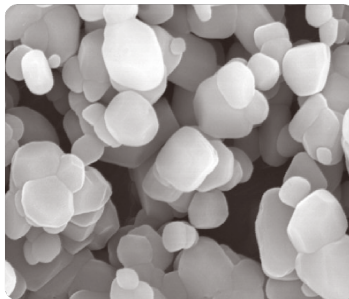
Thermal Conductivity

170W/m-K

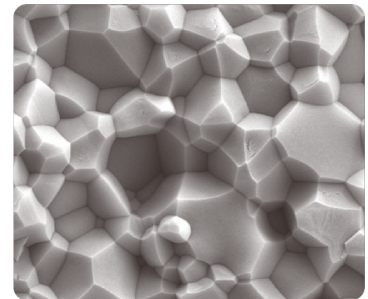
Design/Simulation



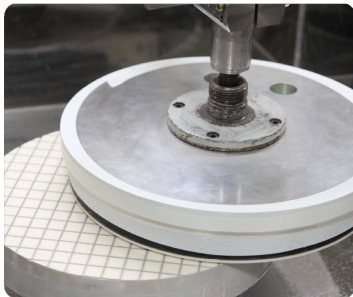
Materials



Sintering



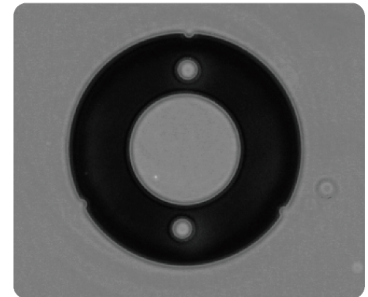
Machining



Brazing



Ceramic Bonding

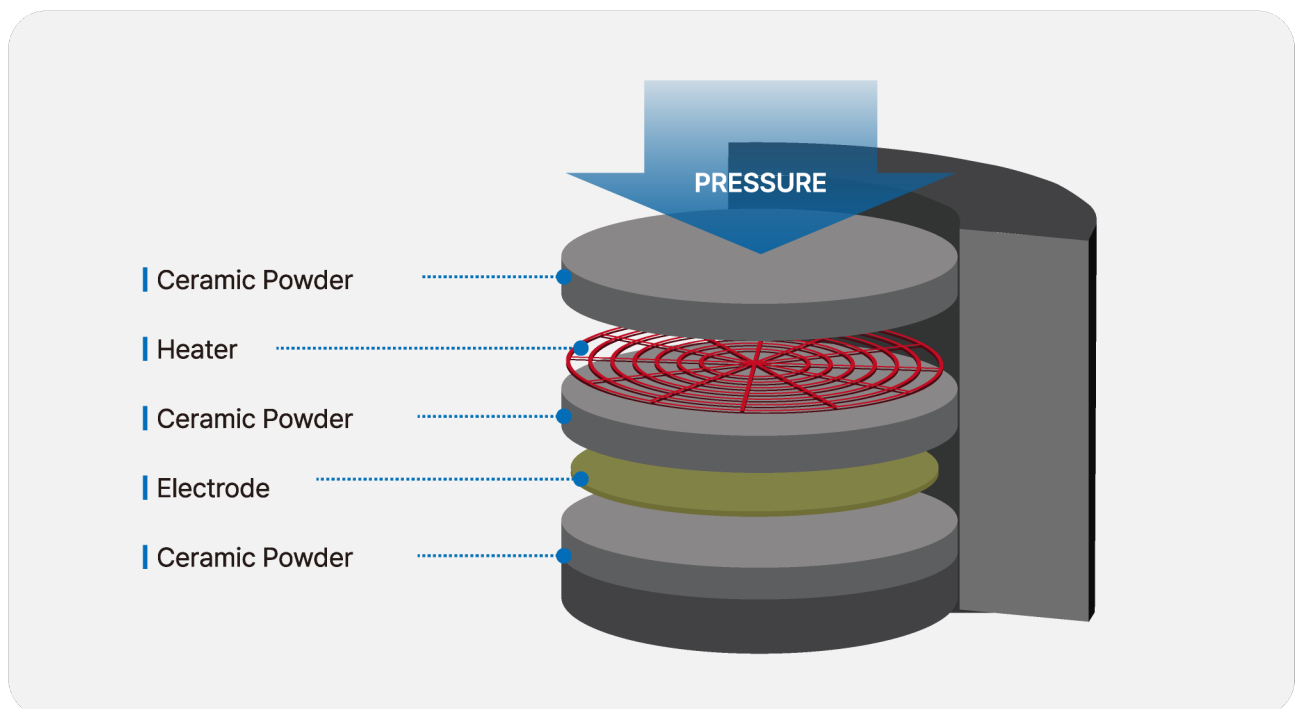
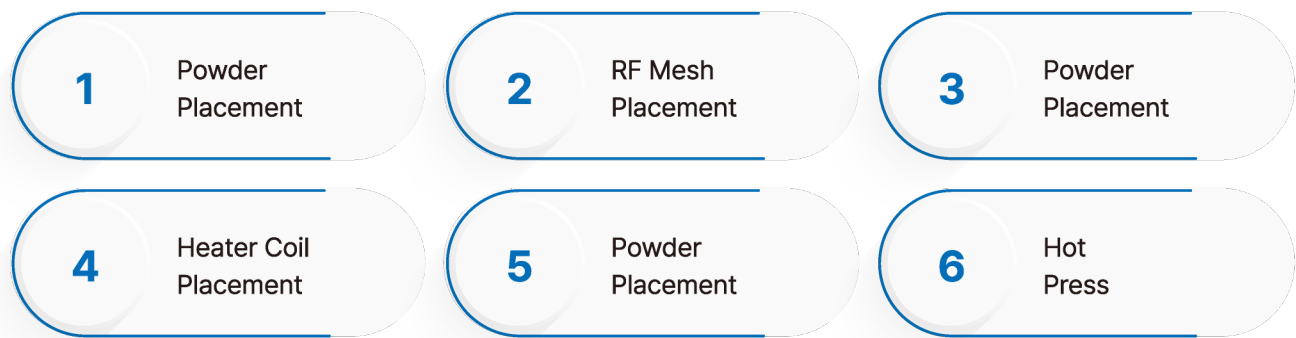


Ceramic Sintering Technology

Through our sintering technology, we manufacture ceramic components in-house, allowing modification of powder material composition, types of heating elements, and sintering conditions to meet the individual needs of our clients.

Hot Press Process

Applying heat and pressure to forge high-density ceramic plates



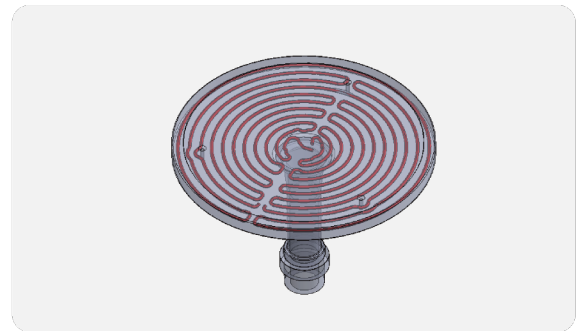
Heater Technology

Single Zone Heating and Dual Zone Heating technologies to increase the control range of operating temperature

Single Zone Heater



Dual Zone Heater



RF Electrode Technology

RF Electrode design and manufacturing technologies for optimal plasma generation and chucking

- RF Electrode: Molybdenum Mesh

Monopolar	Bipolar	Multipolar
1 Electrical Pole	2 Electrical Poles	Over 3 Electrical Poles