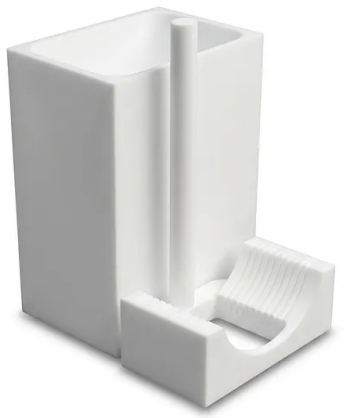
Customizable Square Ptfe Silicon Wafer Cleaning Flower Basket For Semiconductor Wet Process Etching And Substrate Handling

Item Number: PL-CP88



Introduction

High-purity PTFE square cleaning flower baskets designed for silicon wafer processing. This corrosion-resistant rack ensures safe wet etching and substrate handling in semiconductor manufacturing. Fully customizable dimensions and configurations are available to meet specific laboratory or industrial wet bench requirements.

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Application	Description	Key Benefit
Semiconductor Fabrication	Immersion of silicon wafers in RCA clean or Piranha etch solutions to remove contaminants.	Zero metallic contamination risk
Photovoltaic Cell Production	Handling of large-format solar wafers during texturing and acid polishing stages.	High volume throughput and durability
MEMS Device Processing	Secure transport of delicate micro-electromechanical substrates through various wet benches.	Precise substrate positioning
LCD/OLED Glass Cleaning	Cleaning of conductive glass substrates (ITO/FTO) before thin-film deposition.	Chemical resistance to glass cleaners
High-Purity Laboratory Research	Holding samples during trace analysis and aggressive chemical digestion processes.	Superior resistance to corrosive media
Nanotechnology Substrates	Processing of silicon-on-insulator (SOI) or sapphire wafers in research environments.	Gentle handling of brittle materials

Specification Category	Parameter Details for PL-CP88
Model Identifier	PL-CP88
Primary Material	High-Purity Polytetrafluoroethylene (PTFE)
Standard Dimensions	249mm x 249mm (Custom sizes available upon request)
Geometry	Square Frame Flower Basket Design
Customization Options	Slot Quantity, Slot Width, Slot Depth, Pitch, and Handle Style
Operating Temperature Range	-200°C to +260°C
Chemical Resistance	Universal (Except molten alkali metals and high-pressure fluorine)
Fabrication Method	End-to-end precision CNC machining for high-tolerance specifications
Surface Finish	Smooth, non-porous fluoropolymer finish
Compatibility	Manual immersion baths and automated robotic wet bench arms