

advanced coatings

cleaning and refurbishment

original parts manufacturing

quality assurance

### Integrated Capabilities

NxEdge in-house operations and processes enable us to perform multiple steps to deliver high-quality, completed parts with rapid turn-around time and lower overall cost. We offer end-to-end component design, plasma and other advanced coatings, precision manufacturing, and testing all under one roof, providing the convenience and assurance of one point contact.

### Fluoropolymer Coatings

NxEdge offers both industry standard and process specific fluoropolymer coatings. Fluoropolymer coatings are suited for use in wet chemical process applications, as these materials are highly resistant to corrosive chemicals and can withstand working temperatures of 150°C to 315°C. These coatings have proven beneficial in semiconductor wet processing and other highly corrosive environments.

**APPLICATIONS** Fluoropolymers have a variety of industry applications, including:

- Semiconductor components: CMP, ECP and pumps
- Acid tanks and wet bench accessories
- Pipes, fittings, valves and pumps
- Electronic components
- Aerospace

**COATING PROPERTIES** NxEdge fluoropolymers feature the following characteristics:

- Non-stick and non-wetting
- Cryogenic / vacuum stable
- Heat and chemical resistance
- Low coefficient of friction
- Extremely durable
- Corrosion protection
- Electrostatic dissipation

### NxEdge Coating Advantage

**BENEFITS** NxEdge coatings enable customers to get more from capital equipment through improved performance and extended use. Our fluoropolymer and fluorocarbon coatings provide a tough film with superior wear and corrosion protection, in addition to other application-specific benefits.

**PROCESS EXPERTISE** NxEdge fluoropolymer coatings are applied through specific raw material surface application processes, followed by controlled baking steps. The breadth and depth of our process expertise with these materials enables us to support a diverse set of customer requirements.

**REFURBISHMENT** The breadth and depth of our process capabilities enables us to support a diverse set of customer requirements, including the complete stripping and like new refurbishment of large, costly CMP Platens and parts. If caught in time, these parts can be refurbished to new condition, eliminating large capital costs associated with new replacements.

**ADDITIONAL COATINGS** In addition to Halar, we also offer these polymer-based coatings:

- PFA
- HALAR
- PEEK
- PTFE
- ETFEE
- ECTFE
- PVDF
- XYLAN



ISO 9001:2001



This product is manufactured at our Boise, Idaho, location whose quality system is registered as an ISO 9001:2000 facility.

# Fluoropolymers

