Victrex, headquartered in the UK, is an innovative world leader in high performance polymer solutions focused on the Aerospace, Automotive, Electronics, Energy and Medical markets. Every day, millions of people rely on products or applications which contain our polymers, from smartphones, aeroplanes and cars to oil & gas operations and medical devices. With over 35 years’ experience, we are investing in technical excellence to deliver leading edge solutions to our customers and markets, and to drive value for our shareholders. Find out more at www.victrex.com
Advancements in semiconductor technologies are allowing the industry to reach new levels of performance along the drive to 450 mm wafers, at smaller process nodes, with increased functionality, while maintaining productivity and reducing cycle times. These trends urge industry-leading companies to raise the bar on wafer processing optimization through the use of cutting-edge materials. Victrex and our high-performance PEEK polymer solutions can enable your valuable assets to run longer and more efficiently — that’s future performance.

**Potential Benefits**

- **Up to 2x** lifetime improvement
- **Up to 3%** yield improvement
- **$$$$$** annual potential savings

**Green Manufacturing**

Reduce downtime, extend your operating cycle and polish more wafers with fewer rings.

**CMP Retaining Rings**

Up to 2x lifetime improvement
Higher wear resistance allows rings made from Victrex® PEEK to run up to two times longer than PPS before replacing.

**FOUP and Wafer Carriers**

Up to 2% yield improvement
17,000 wafer carriers were converted to Victrex® PEEK in one day.

**Reticile Pods/EUV Pods**

Lower ionic contamination
Prevent haze formation on reticles.

**Recyclability**
Victrex® PEEK is 100% recyclable with minimal loss of properties after multiple heat histories.

**Examples**

- Example showing PPS rings are replaced 3 times in a given time period. With much higher wear resistance, rings made from Victrex® PEEK are only replaced 2 times in the same period.
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**Wafer Processing**

- CMP Retaining Rings
- FOUP and Wafer Carriers
- Reticile Pods/EUV Pods

**VICTREX® PEEK**

- PPS
- Stop
- Stop
- Stop

**Ring Replacement**

Example showing PPS rings are replaced 3 times in a given time period. With much higher wear resistance, rings made from Victrex® PEEK are only replaced 2 times in the same period.