



Purion

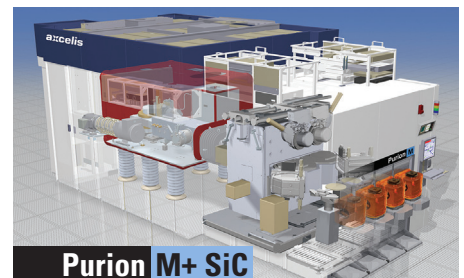
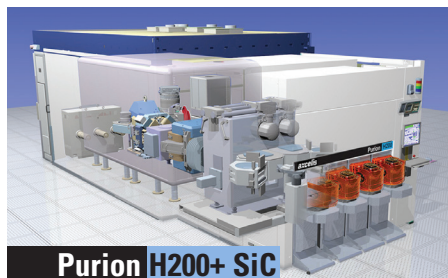
Power Series+

THE GLOBAL LEADER IN ION IMPLANT SOLUTIONS FOR SiC POWER DEVICES

The Purion Power Series+™ family is uniquely suited to excel at power device applications due to its innovative platform that offers the flexibility to handle multiple wafer sizes (150 and 200mm) and at various implant temperatures (room temperature, warm and hot). This is all accomplished while delivering the industry's highest throughput and capital efficiency. The Purion Power Series+ covers the full ion implant market space with the Purion H200+ SiC for high current medium energy applications, Purion M+ SiC for medium current applications and the Purion XE+ for high energy applications.

Key Advantages

- Only complete energy range portfolio for Planar, Trench and Superjunction SiC devices
- Production proven 150 and 200mm SiC wafer handling reliability
- Purion advanced high temperature wafer handling end station to deliver up to 110 wph throughput



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Purion Power Series+ Provides a Total Solution for SiC High Volume Manufacturing Implantation

Purion Power Series+

Innovative Implant Solutions for SiC High Volume Manufacturing

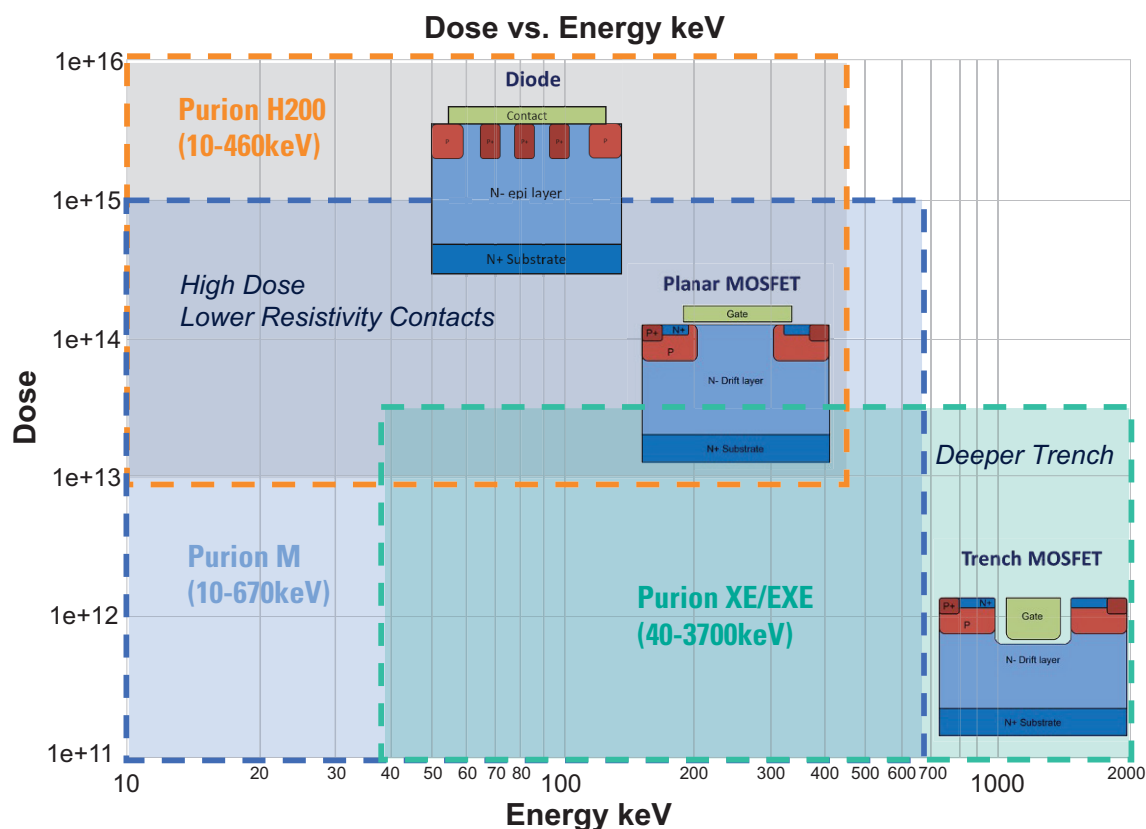
- High volume manufacturing proven
- Full process coverage
- Industry leading productivity
- Lowest cost of ownership
- Room temperature and hot implant compatible
- High commonality between 150 and 200mm configurations

Lowest Manufacturing Cost

- Highest productivity and fab output per square meter
- Able to support the transition to 200mm

Improved Device Performance

- Energy range to support trench and more advanced planar devices
- Productivity to support high implant intensity



About Axcelis

Axcelis has been providing innovative, high productivity solutions for the semiconductor industry for over 45 years. Axcelis is dedicated to developing enabling process applications through the design, manufacture and complete life cycle support of ion implantation systems, one of the most critical and enabling steps in the IC manufacturing process.

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