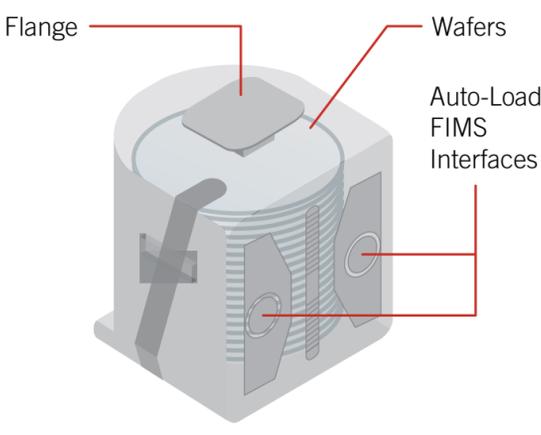


Beginning-to-End Wafer Handling Solutions

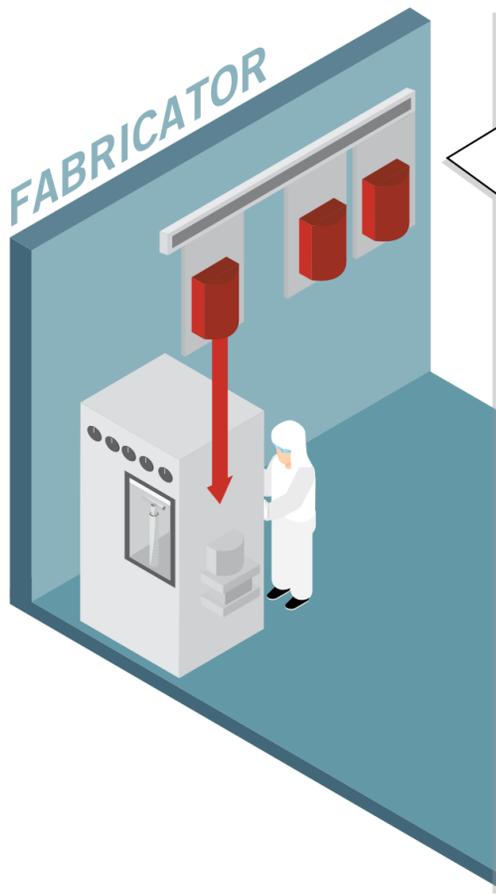
300 mm wafers can hold 15,000 valuable components, and these wafers are often transported in groups of 25 units. Doing the math, a single container may be holding \$750,000 worth of technology. Each of these microenvironments is designed to protect the safety, security, and purity of the wafers throughout the fabrication life cycle. Entegris provides beginning-to-end wafer handling solutions that require minimal human intervention. **Here's how they work.**



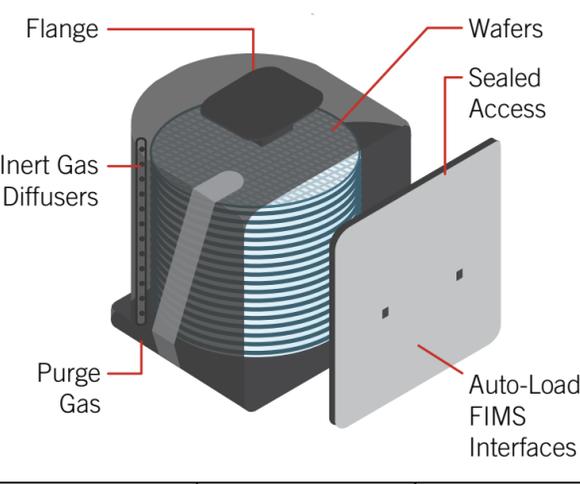
Bare Wafer Shipping to Fab: FOSB



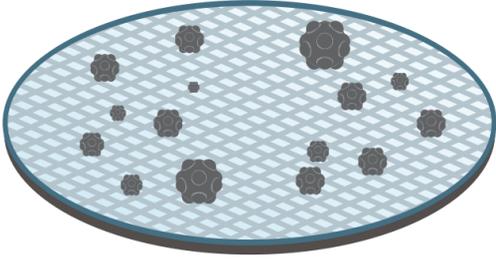
- Maintain Purity
- Minimize Impact of Vibration
- Minimize Impact of Shock Events



Throughout the Fab: FOUP



- Maintain Purity
- Block Light
- Manage Temperatures

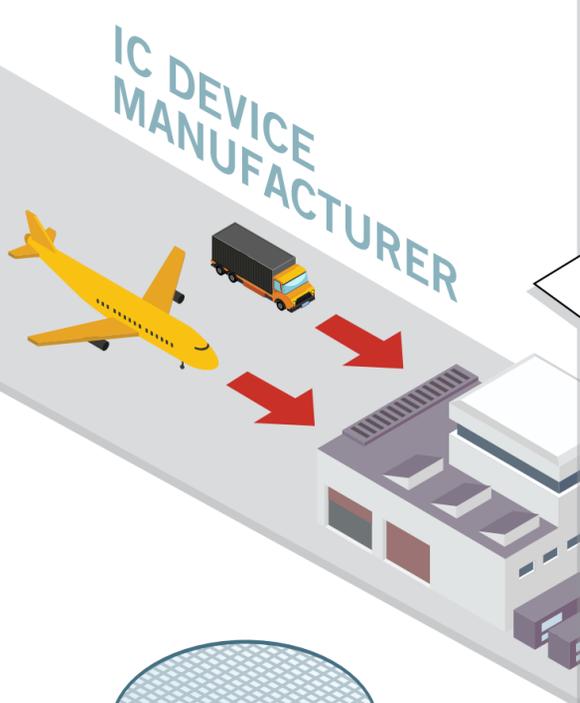


Contaminants Impacting Wafer Yield

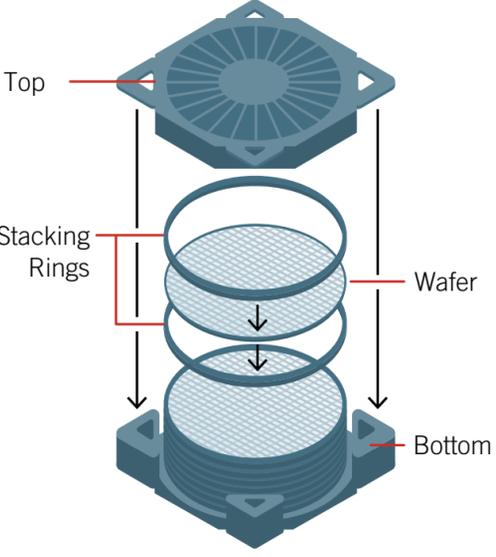
Wafers spend most of their time in the FOUP environment, which must guard against these contaminants.

- Particles
- Volatile Organic Compounds
- Oxygen
- Moisture
- Airborne Molecular Contamination
- Static Events

1% Improvement in Wafer Yield Could Mean > \$100M in Savings



Transport from the Fab: Horizontal Wafer Shipper



- Prevent Breaks, Scratches, and Chips
- Minimize Impact of Vibration
- Minimize Impact of Shock Events

