

Why Choose Entegris for Your Solid Precursor and Delivery System Needs?

More than 20 Years of Experience in Solid Precursors and Delivery Systems



A total solids solution: Screening, synthesis, and characterization of candidate chemistries, novel ampoules to deliver solids with high delivery rates and excellent utilization, and a cabinet to consistently deliver chemistry.

Highest Purity Chemistry



Our newly developed custom purification processes ensure that precursors like AlCl_3 , HfCl_4 , and ZrCl_4 do not contain contaminants that could cause defects.

Solids Precursors for ALD and CVD Applications



Our precursors are used in semiconductor applications and excel in Atomic Layer Deposition (ALD) and Chemical Vapor Deposition (CVD), especially for metals deposition.

Proven Technology for Solid Precursors Delivery



Our innovatively designed ampoule for solid precursor delivery provides higher mass flux at lower temperatures than conventional vaporizers, which provides lower total cost of ownership.

A Fully Automated Delivery System for Solid Chemical Delivery



By using larger containers and dual container capability, our Solid Source Delivery Cabinet (SSDC) allows longer tool utilization without unnecessary downtime for container changes. It can be configured for carrier gas or vapor delivery modes and features fully automated purge, heat up, container change, and container switchover sequences.

Proven High Volume Manufacturing (HVM)



ProE-Vap[®] delivery technology is a proven HVM option with many years of operational know-how and well-understood process control to avoid supply chain issues.

Operation Excellence



For more than 50 years, we have been researching and developing novel ways of supporting complex HVM. We have expanded our capabilities, invested in diversifying our supply chain, and driven operational excellence into all aspects of our company to help our customers meet their objectives.

Reliable and Predictable Supply Chain



We provide reliable and extremely high-purity materials. Our key qualities are development of new materials and delivery systems, materials synthesis and purification, ability to scale-up rapidly.

Safety and Environmental Standards



To prevent costly accidents or environmental damage, we hold ourselves to stringent safety standards and comply with all relevant environmental regulations.

Experience Matters



With more than 300 cumulative years of deposition expertise, our global technical support team can solve the toughest deposition challenges.

FOR MORE INFORMATION

Visit [entegris.com/solids](https://www.entegris.com/solids) to learn what Entegris can do for you.



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