



# Thin Film Deposition: Precursors, Equipment, & Services

We offer reliable high purity specialty chemicals for research and development, as well as commercial scale applications. Our CVD/ALD precursors, equipment and related services are used in microelectronics, semiconductors and many related applications.

## ALD/CVD Precursors

Our product line of high-performance precursors continues to grow. We currently offer over 500 metal precursors for CVD/ALD applications from over 60 different elements. These high-quality materials have purities that range from 99% to 99.9999% metals purity.

## CVD Bubblers

Our electropolished stainless steel bubblers range from 150mL to 3000mL. These bubblers are available in horizontal and vertical configurations. While standard bubblers are equipped with diaphragm valves rated to 121°C (PTFE stem tips), we also supply bubblers with high temperature bellows valves rated to 315°C. DOT approved configurations are available.

## ALD Cylinders

An assortment of ALD cylinders including standard, high-temperature and high-purity 50mL options are available as well as some larger capacities. Additionally, we offer precursors prepackaged into our 50mL Swagelok® cylinders.

## Services

We offer valuable ALD/CVD services that directly relate to our precursors and equipment. Our suite of services include filling, refilling, cleaning and testing bubblers and cylinders. We are able to clean and fill equipment outside of our catalog as well. Our experience in special handling and packaging, allows us to safely deal with sensitivities and hazards, and handle all types of equipment.

## Availability & Shipping

Our products are available globally in various sizes including bulk shipping.

For a complete listing of the Strem Catalog products and applications in electronics, please contact our team today at [info@ascensusspecialties.com](mailto:info@ascensusspecialties.com).





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