

Small but mighty

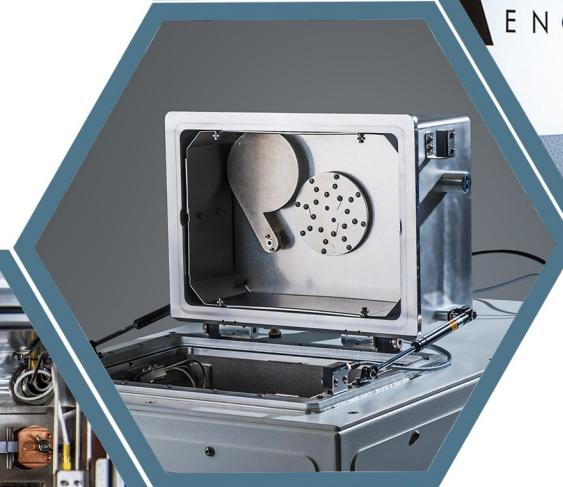
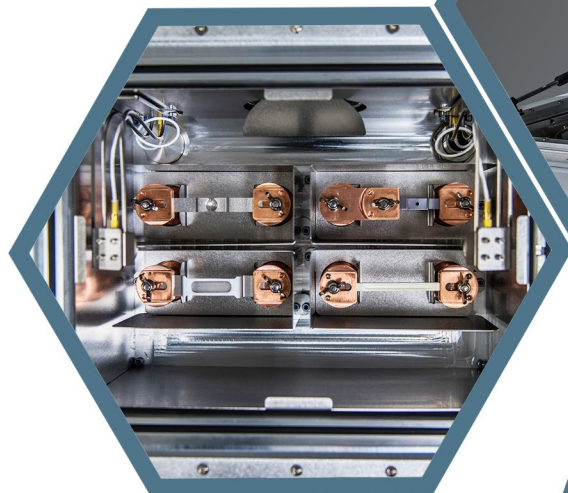
Covap

Compact, budget-friendly performance



ANGSTROM
ENGINEERING

Covap



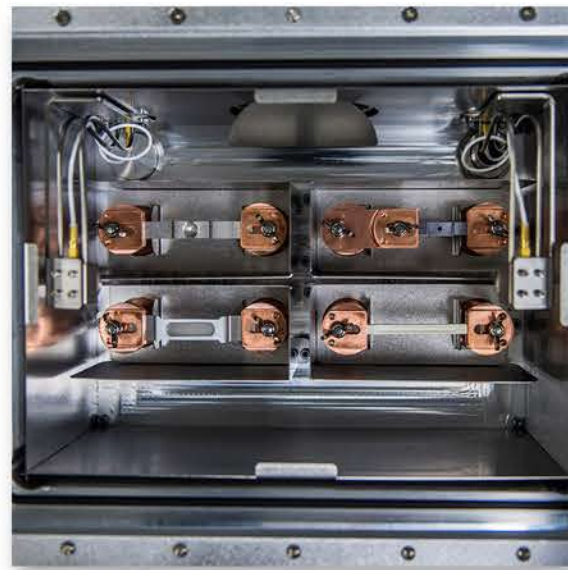
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A **ANGSTROM**
ENGINEERING

Your Thin Film Partner

Covap

Overview

The Covap has been designed for the lab that requires **a safe and reliable tool that produces repeatable, high quality thin films in a compact footprint.** Deposition sources are isolated to reduce thermal effects and cross contamination. It is equipped with a complete set of removable chamber shielding to ensure the chamber can be easily cleaned and maintained. Source and stage power, as well as



pneumatic pressure are cut while the chamber is open, ensuring the **highest level of safety.** It can be integrated into a **glovebox**, or selected in a standalone configuration.

Our team of engineers, chemists, and nanotechnologists will help you choose the best tool for your process and material requirements, and will ensure you get the right configuration.

We offer support and can optimize your system for film thickness uniformity, film structure and material utilization.

Please call us to discuss your application in detail.

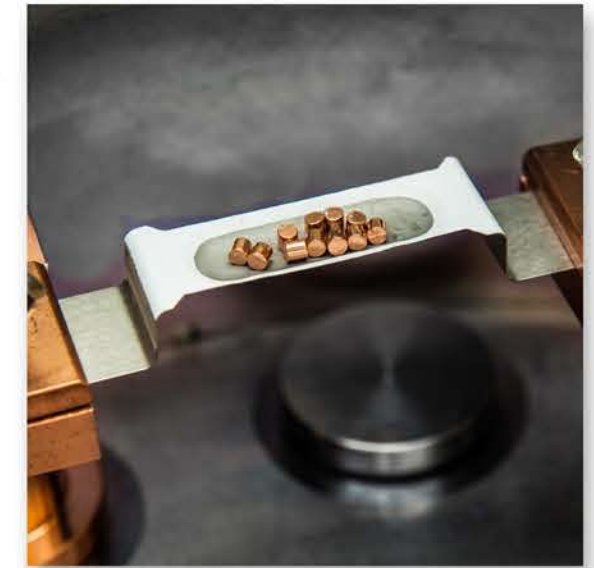


Non-uniformity better than $\pm 1.5\%$ across a $\varnothing 100\text{mm}$ wafer with 7mm edge exclusion
Automatic recipe based PID driven processes with QCM control & detailed data logging

Supports substrates up to 100mm x 100mm
380mm x 280mm x 365mm tall hinged lid high vacuum chamber
Packaged in a compact 600mm x 1000mm footprint

Sources

Your Covap can be equipped with **2 or 4 thermal sources.** You can deposit **sequential** or **co-deposition** layers with premium source isolation shielding.



"Out of all the systems I have used, yours is by far the most reliable, consistent and easy to use."

Dr. Marc Baldo
MIT

Vacuum Control

Using a Pfeiffer Hi-Pace turbomolecular pump your Covap reaches a base pressure of $<5 \times 10^{-7}$ Torr.

Automated single button pump down and vent sequences make processes simple to run. Rotary vane or dry backing pump options are available.

Meet our PVD lineup:



Covap
380mm x 280mm baseplate
Up to 4 thermal sources



Nexdep
400mm x 400mm baseplate
All source types, up to 8



Amod
500mm x 500mm baseplate
All source types, up to 10




EvoVac
500mm x 700mm baseplate
All source types, up to 14


Service and Support: Our Commitment

An Angstrom system in your lab makes us partners; we become part of your team. We guarantee **same day** response to any service inquiry regarding parts, technical support, and software support.



 Head office and manufacturing facility

 Service and Support facilities

 Some of our existing systems in use



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