POLYTEKNIK
When thin film matters



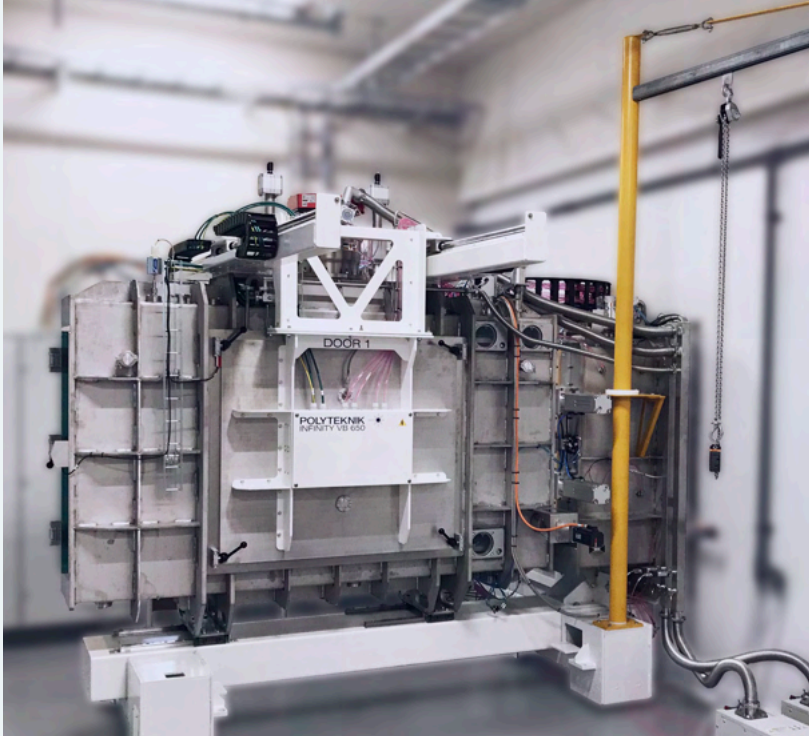
PVD SYSTEMS

Infinity VB Platform

The Infinity VB is a vertical sputtering platform designed for large-area deposition on substrates or multi-substrate fixtures

Infinity VB Platform

Endless sputtering



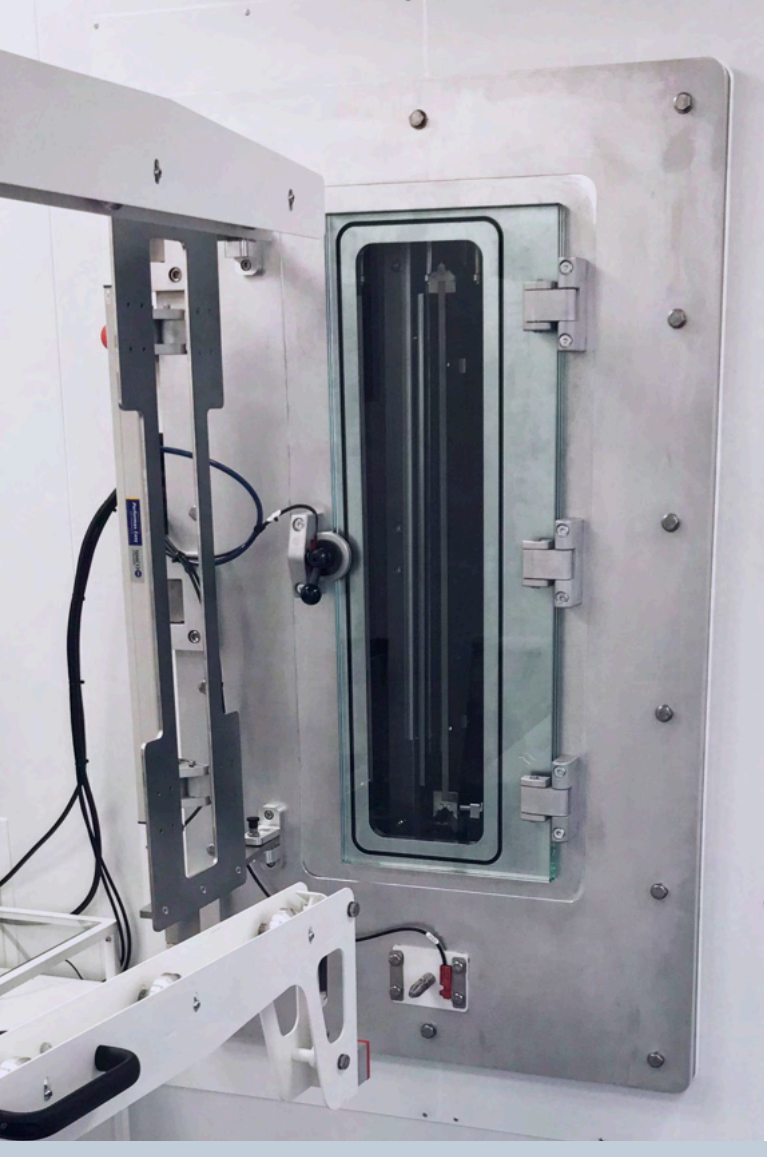
Infinity VB is a vertical sputtering platform for single or dual side deposition on substrates or multi-substrate fixtures up to 650x650mm.
The system is a modular system comprised of minimum one process chamber and a load lock. The throughput can gradually be increased by adding an automatic 2 or 3 track loading magazine or upgrading to a fully in-line production plant.

For substrates up to 650x650mm it is available with active substrate cooling, a proven high aspect ratio sputtering process combining HiPIMS and biasing for through hole metallisation on temperature sensitive piezo ceramic composites.

Up to
650x650
mm substrate or multi-substrate fixtures

Up to
8
linear magnetrons

Up to
8
rotable magnetrons



Processes

- Sputtering of metals and dielectrics
- Controlled reactive sputtering
- Proven through hole deposition on large area
- DC/RF/Bipolar/HiPIMS
- Up to 6 linear magnetrons
- Dual side sputtering
- Plasma cleaning and degassing

Numerous benefits

- Modular design
- Short pump down times
- High uniformity coating
- Vertical sputtering
- Limited pinhole defects
- High volume – Large area manufacturing

TYPICAL APPLICATIONS

Sheet coating (standard up to 650x650mm)	Sheet coating (custom size)	AR and highly reflective mirror coatings	Membranes and solar absorbers
Sheet coating (extended up to 650x3000mm)	MEMS and piezo sensor fabrication	Battery, fuel cell, and TEG production	



Contact

Polyteknik AS
Tolstrupvej 61
9320 Hjallerup
Denmark

+45 9689 2800
sales@polyteknik.dk
www.polyteknik.com

Who we are

Polyteknik AS is a PVD equipment manufacturer with an innovative, modular system design and a strong focus on service. With more than 30 years in business, an international reference list and an excellent technology platform, Polyteknik AS has become a valued partner in the thin film industry.

What we do

Our portfolio of PVD systems ranges from small-scale R&D to high-volume and large-area deposition.
The modular Flextura® platform lets you start with the processes your research needs today and add modules, as your projects change. Our Flextura® 200 and 300 Cluster, Tornado and Infinity platforms cover the range from compact research systems to production.
At Polyteknik AS you will meet a dedicated team that works closely with you to find the right solution.

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