



INFINITY VB PLATFORM

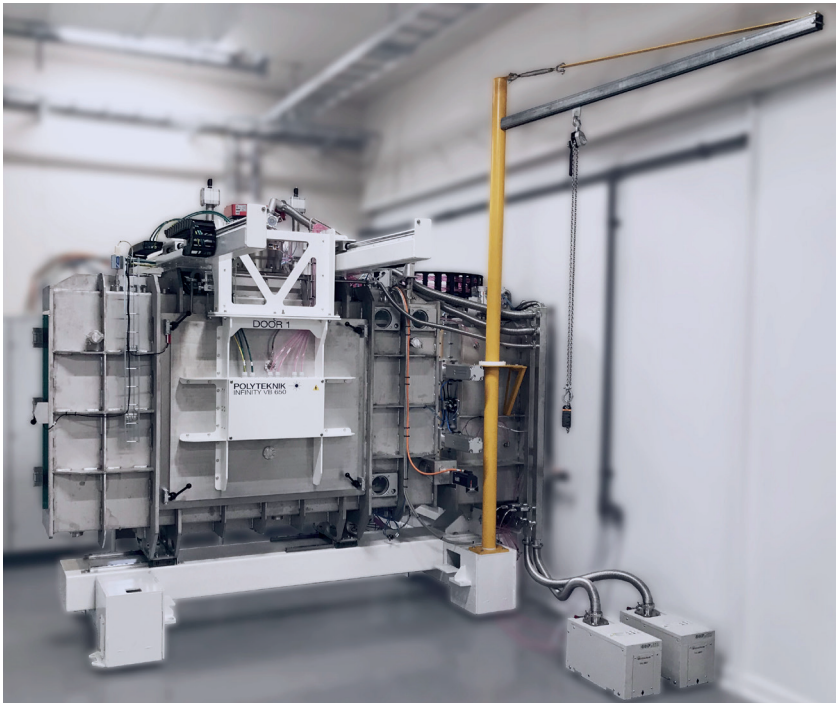
WHEN THIN FILM MATTERS

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 650x3000mm. 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 multi-substrate loading magazine (10 pcs) 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.





NUMEROUS BENEFITS

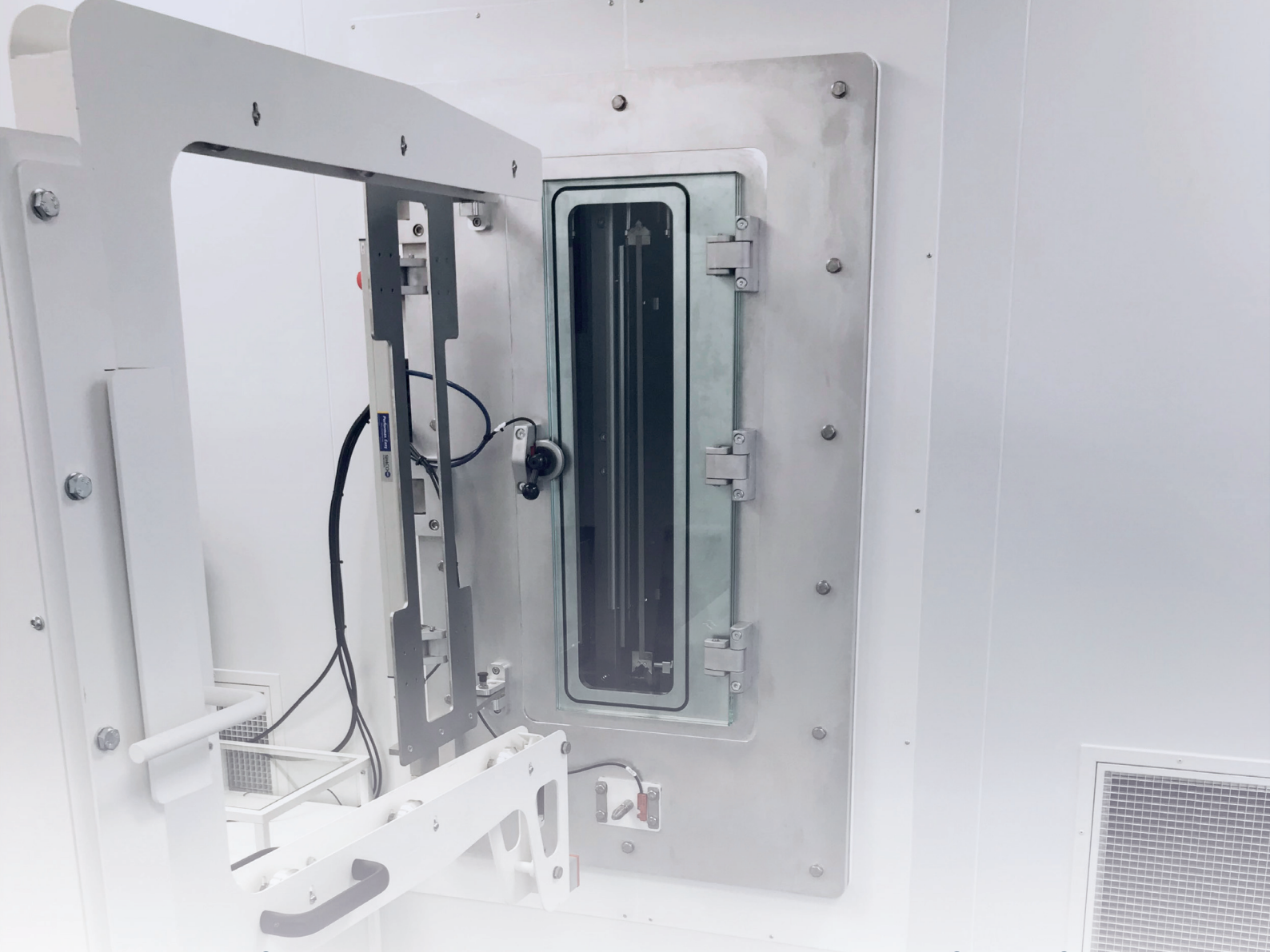
- Modular design
- Short pump down times
- High uniformity coating
- Vertical sputtering
- Limited pinhole defects
- High volume – Large area manufacturing

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

TYPICAL APPLICATIONS AREAS

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

Polyteknik AS is a PVD equipment manufacturer with an innovative and best service approach. With more than 25 years in business, a global reference list, and an excellent platform of technology, Polyteknik AS has turned to be an appreciated partner in the thin film industry.

WHAT DO WE DO

The portfolio of platform systems ranges from small scale R&D to high volume or large area deposition systems. Polyteknik AS covers several deposition processes including sputtering, evaporation, and varieties of these. At Polyteknik AS you will meet a dedicated team interested in a strong co-operation towards the best solution.



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