



Cryofox

PRO 650 WEB

HOUSE OF COATING TECHNOLOGY



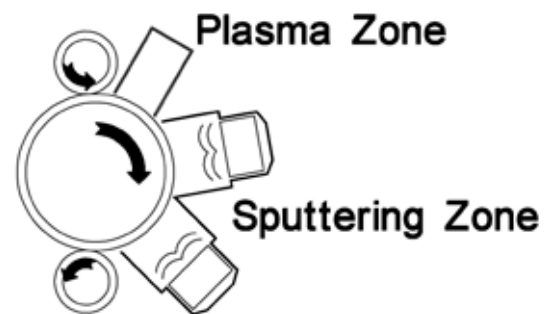
PRO 650 WEB

Polyteknik develop and manufactures research, semi- and full scale production equipment. We have focus on multi step coating processes involving more specific processes.

Cryofox PRO 650 WEB Coater is the system for coating flexible substrates on rolls. With this system it is possible to do metallic or non-metallic coatings on polymer and metallic webs.



The Cryofox PRO 650 WEB Coater can be equipped with DC/RF sputtering system and CVD deposition systems.



The pro Models have horizontal cylindrical chambers.

All Cryofox systems can be integrated in clean room facilities.

All Cryofox systems are developed, designed, and manufactured by Polyteknik AS.

POLYTEKNIK

Mechanics

- Stainless steel chamber (optional: Electro polished)
- Chamber volume: 350 litre (work place volume: 250 litre)
- Max. web width: 350 mm
- Low tension web handling possible
- Variable web speed
- Roll to roll handling of web
- Footprint:
Vacuum unit: D1004 x W1008 x H1848 mm
Control unit: D1044 x W624 x H1848 mm

Process

- Magnetrons DC/RF – rectangular (2 pcs.)
- Plasma pre-treatment
- PECVD process on request

Process supply

- Dry pump for roughing
- Cryopump for high vacuum
- One or multiple mass flow controllers for gas and eventual precursor supply
- Water cooling on critical process parts

Process Control

- Receipt control with fully automatic process
- Fully automatic or manual control of the process
- Very good HMI on top of robust PLC control
- Internet access for machine control and operation (optional)
- Data logging function (optional)
- RGA (residual gas analyzer) and logging PC (optional)

AUX. Equip.

- Chiller (optional)

