Polyteknik Coating Service

Working with Big Science

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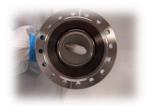




COATING SOLUTIONS FOR BIG SCIENCE

Internal Coating of Tubes – Kicker Chambers – ALBA, Max IV, CERN, ESRF, DLS, etc.

- Metal and ceramic tubes
- Dimensions up to 3 m in length
- Ti coating of Kicker Chambers
- Low SEY coating
- Copper coating of RF waveguide tubes









Reflective Coatings – Rh coated mirrors - ITER

- Highly specialised Mirror Coatings
- Reflectors
- Sensors



Absorber Coatings - CERN

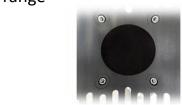
- (Black) Light Absorbing Coatings 98% absorption within the visible wavelength range
- Thermal abosrber coating
 - Optimized fro infrared wavelength and low emissivity coating
 - Enhancing cooling in vacuum environment
 - Applicable outside tubes / inside cylindrical tanks

Electrical and Electronic Functional Thin Film Coatings

- Electrical Contact Layer
- Super Conductive Coatings
- Dielectric Layer
- Magnetic layer









Involved in Big Science since 2007

2007-2008

- Coating of first **Kicker Chambers**
- for ALBA, Spain

2016-2017

- New CERN contracts
- •Exhibitor IBF16
- •Exhibitor IBF17
- Exhibitor PAC17

2018

2012-2013

ESO

Member of

BigScience.dk

• First contract with

- Exhibitor BSBF2018
- Visits at CERN and XFEL/DESY
- Participates in ESA industry days
- F4E contract + ITER frame contract
- ESRF contract

2014-2015

- Second contract with ESO
- Exhibitor at IPAC14
- •Third ESO contract (value +1 mio. EUR)
- •Participate in "DK@CERN"
- First CERN contract
- •With BigScience.dk at IBF15

2022-2024

- BSBF 2022, Grenada
- IBF2023, Marseille
- IPAC2023, Venedig
- BSBF2024, Trieste
- Contracts from
 - ➤ ITER
 - ▶ F4E
 - > CERN

























- Exhibitor IBF19
- F4E contract
- ITPA, ITER
- Visit at ESS
- ITER Nordic Business Forum



