

Microcoat™ MS450 Sputtering

2 Cathodes (1 inch and 6 inches)

Pure Ar, single gas, gas mixture and reactive atmosphere

DC (150 W on 1 inch and 1500 W on 6 inches), RF (300 W) powering units

Co – deposition



Kenosistec™ Sputtering

3 Cathodes (3 inches)

Pure Ar, single gas, gas mixture and reactive atmosphere

DC (500 W), RF (300 W) powering units

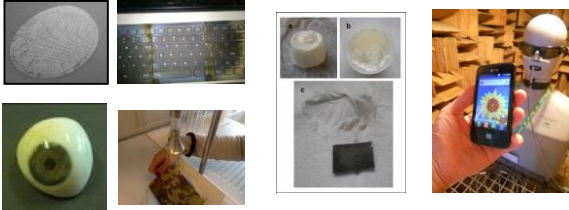
Substrate plasma etching

Substrate heating up to 450 °C and cooling during deposition

Confocal co – deposition

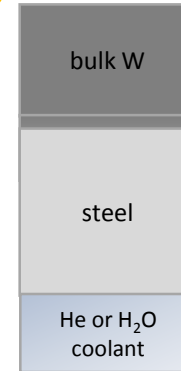
PLC controlled processes

THIN FILMS FOR BIOMEDICAL APPLICATIONS

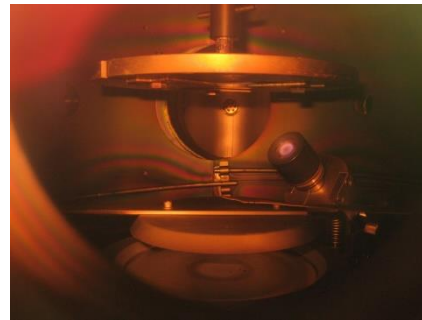


Development of antibacterial and antiseptic layers for: biomedical, ICT, food processing, fabrics, space missions and other applications.

THIN FILMS for JOINING



Development of thin films for joining Fe to W, for thermo-nuclear fusion energy production (ITER)

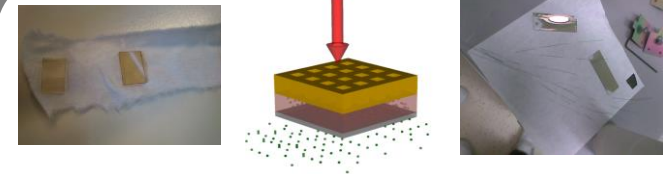


THIN FILMS FOR ENERGY PRODUCTION

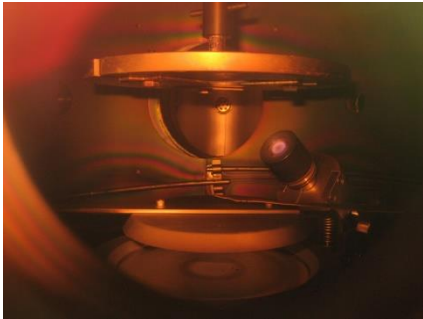


Development of an innovative Intermediate Temperature Solid Oxide Fuel Cell (T-SOFC)

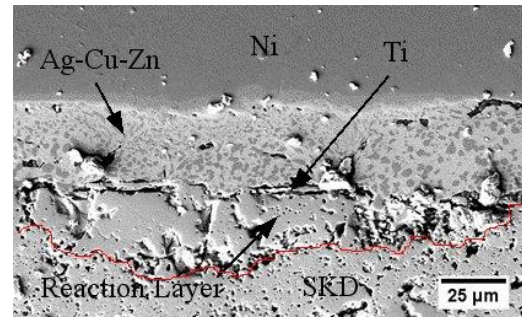
THIN FILMS FOR SENSORS



Development of Surface Plasmon Resonance (SPR) sensors and magneto optical sensors on waveguide and fibers.



THIN FILMS FOR SPECIAL JOINING PROCESSES



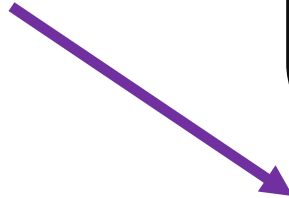
Development of interlayer for ceramics, glasses and metals joining.



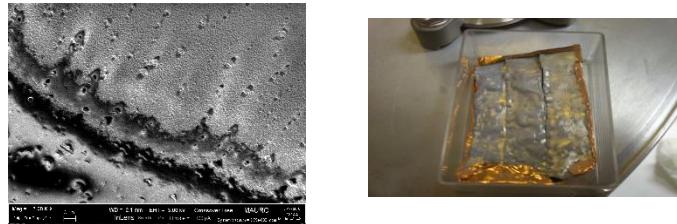
PROTECTIVE AND DECORATIVE COATINGS



Development of decorative and protective coatings for metals (iron, copper, stainless steel, etc.), polymers, fabrics. Metal-like sputtered layers on polymeric components.



THIN FILMS FOR ENERGY STORAGE



Development of innovative layer for Li - based batteries. EU project "ALISE".



WE ARE OPEN FOR COLLABORATIONS! (Just Ask!)

