



INNOVATIVE TESTING OF COATINGS IN AGGRESSIVE ENVIRONMENTS

SPECIALISED TESTING OF THERMAL SPRAY AND COLD SPRAY COATINGS IN SIMULATED PETROCHEMICAL, POWER GENERATION AND AEROSPACE ENVIRONMENTS

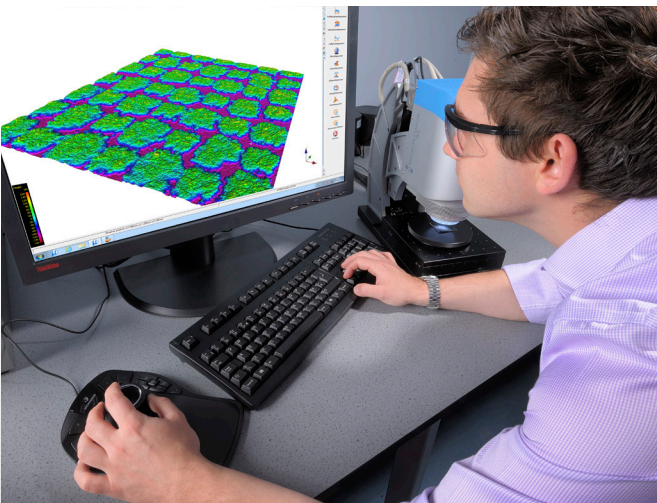


Complex corrosion testing

- CUI testing
- Hot hydrochloric acid testing (oil production tool cleaning)
- Hydrofluoric acid at elevated temperature and pressure
- Hydrogen re-embrittlement testing of Cd-plating and alternatives (including testing IAW ASTM F519)

Molten salt and high temperature corrosion testing

- Biomass combustion and municipal waste incineration with HCl, CO up to 1100°C
- Geothermal energy recovery



HPHT testing

- State-of-the-art autoclaves
- Sweet and sour environments (CO₂, H₂S)
- Ultra-sour environments
- Testing in supercritical CO₂
- Simulating petrochemical process plant conditions e.g. amine strippers (removal of H₂S from hydrocarbon gas stream)
- Testing in hot, dry Cl₂ gas

