

RISE RESEARCH INSTITUTES OF SWEDEN AB (RISE), Borås, Sweden
KANSAI ALTAN BOYA SANAYI VE TICARET ANONIM SIRKETI (KANS), Izmir, Turkey
Support with advanced materials by YSCCL
Y.S. CYPRIOT CATALYSTS LIMITED (YSCCL), Ammochostos, Cyprus

Products

Functional nano-additives and coatings

Multifunctional Coatings

RISE & KANS: Cutting-Edge Innovation

 The Pilot Line of RISE and KANS offers a state-of-the-art infrastructure for creating and testing multifunctional coatings with advanced nano-additives

Advanced Material Supply

YSCCL provides high-performance materials such as reactive TiO₂, enhancing the Pilot Line's capabilities

Collaboration with other Pilot Lines

The nano-additives produced can be utilized in:


PL3: Mortar and Pre-mix

PL6: Advanced Ceramics

PL7: 3D Printing & Robotic Spray

Testing & Characterization Tools

Microscopy: ESEM, STEM, TEM, Optical Microscopes 

 **Surface Analysis:** BET, AFM, Contact Angle Measurement, Rheometer

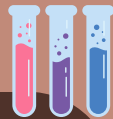


Pilot Line 5:
Functional nano-enabled coatings

Spectroscopy: XRD, UV-VIS, XPS, Raman, NMR






Particle & Foam Analysis: Mastersizer, Nanosizer, Foam Analyzer



Chromatography & Mass Spectrometry: GC, LC/MS, TOF-SIMS

X-ray Scattering: SAX/WAX

Why Choose Multifunctional Coatings?

- High-performance & cost-effective solutions 
- Tailored for various industrial applications 
- Enhanced IR/solar reflectance via polymer chemistry & nano-TiO₂
- Antibacterial properties through metal-doped nano-TiO₂ 
- Optimized coatings via advanced characterization tools

Infrastructure & Equipment

Key Advantages

Contact Us

Nano-additives Processing

- Milling equipment composed of high shear disperser and horizontal bead mill (up to 100 l)
- Inline homogenizer
- Ultra-high Shear Fluid Processors (M700 Microfluidizer)

Cost-effective, high-performance coatings

Advanced analysis & optimization

Production Capabilities

- Nano-Additives: 10 kg per day
- Dispersion of Nano-Additives: 100 l per day
- Paint Formulation: 30-50 l per day

Reactive materials from YSCCL for enhanced functionality

Coating Application Facilities

- Spraying Equipment
- Thermal and IR Curing Equipment
- Weathering Equipment

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