

**TagSpheres is an invisible anti-counterfeiting solution to be embedded even at low concentration into raw material like polymers, technical coatings and active ingredients**

- ✓ Anti counterfeiting
- ✓ Material traceability
- ✓ Dosage control
- ✓ Liability

# TAGSPHERES

## IN- THE- MASS AUTHENTICATION



**EDGYN**

Polyart & EDGYN partner in APAC to deliver customised security solutions.





data  
focus

# TAGSPHERES

THE MOST SECURE AND RESISTANT  
TECHNOLOGY TO PROTECT AGAINST  
COUNTERFEITING

## Embedded security

- **Covert security** features
- **Undetectable** to naked eye under daylight, UV, IR
- **Tailor made** formulation

## Ease of implementation

- **Versatile** add & mix solution
- **Incorporated** in the ppm range
- **Homogeneously** dispersible

## Easy & secure verification

- **Field** verification
- **Instant** and not destructive **control**
- Easy to use dedicated readers

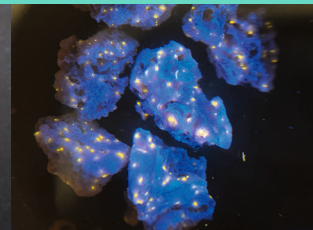
## Unique technology

- **Confidential** and dedicated process
- **Patented** reader
- **Forensic analysis** capacities

## KEY FEATURES

**Microscopic calibrated particles**  
**Unique optical property, differentiating from UV and IR**  
**Custom signatures down to batch level**

**Ashes under daylight /**  
**Ashes through the specific lighting reader**



**Chemical and mechanical characteristics adapted to a wide range of uses and materials :** paper, carton, plastics, powders, concrete, plasters, coatings, binders ....



### Easy supply :

**in powder** ready to mix to many powder materials

**in miscible premixes** in water, solvent, or oil base

**in masterbatches** for implementation in thermoplastic manufacturing processes.



Thermal stability **up to 1 200 °C** , **strong chemical resistance** and compatible with other additives

## APPLICATIONS

Incorporation of a unique signature in the polymer , during the fabrication process.  
TagSpheres have chemical and mechanical characteristics allowing a wide range of uses:

**Textiles & fabrics finishing • Paints & coatings • Polymeric masterbatches & compounds**

**Polyart & EDGYN partner in APAC to deliver customised security solutions for brands and governments.**

For your solutions please contact: [securitysolutions@polyart.com](mailto:securitysolutions@polyart.com)