

Shift your limits: turning powder into functional materials



With nano-scale coating on single powder particles, pomodoi transforms powders into high-performance materials.

problem

limited functions of powder materials

Powder-based products are often subject to trade-offs because of:

- uncontrolled surfaces (e.g. lipophilic / hydrophobic mismatch)
- instabilities (oxidation, degradation)
- poor integration (inconsistent dispersion)

Current modern coating methods are helpful but are heavily dependent on the material:

- not scalable and expensive
- limited to specific materials
- unable to modify single particles

This results in:

- slow innovation
- no industry scales
- restricted material options

solution

Cyclo Particle Coating (CPC)

CPC sets a new industrial standard for powder functionalization through:

- Physical Vapor Deposition (PVD) on powder particles
- vacuum-based coating process for nano-scale functional layer
- industry-ready process control
- environmentally friendly / sustainable

benefits

CPC-refined powder materials deliver:

- lower costs
- reduced environmental footprint
- faster time-to-market
- easier adoption
- proven quality

industrial scale

off the shelf
powders

→ CPC-refined
powders



high volume



high volume
& high value

create refined powder materials

We are ready
for your powders.
Send your samples!

applications

Scalable & industry-agnostic powder solutions for various sectors & applications:



battery



fuel cells/H₂



3d printing



metallurgy



your industry



in-house engineering
& simulation



proprietary
material science



international
patents



integrated
analytics

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