

TECHNOLOGY CENTERS. 3D CONCRETE PRINTING

3DCP TECHNOLOGY AT THE SERVICE OF R&D



3D CONCRETE PRINTING (3DCP): BENEFITS FOR RESEARCH CENTERS

R&D IN ADVANCED MATERIALS



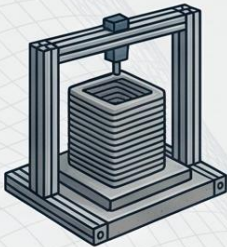
NEW MORTARS

Formulation of mixes with fibers, additives, and industrial by-products for specific properties.



MECHANICAL PROPERTIES

Testing of strength, durability, and anisotropies inherent to the printing process.



RAPID PROTOTYPING

Cosmos 3D reduces costs and timelines in the development and validation of new formulations.



TESTING OF STRUCTURAL ELEMENTS

FUNCTIONAL AND STRUCTURAL TESTING

- Structural mechanical performance.
- Hard-body impact resistance.
- Actions transmitted by doors.
- Support capacity for suspended loads.
- Lighting performance.
- Thermal performance through computational simulation.
- Acoustic performance.
- Heat and thermal shock / Facade watertightness.
- Watertightness of the window interface.



3D CONCRETE PRINTING (3DCP): COLLABORATION | COSMOS 3D - RESEARCH CENTERS

VALUE PROPOSITION



TECHNOLOGICAL LEADERSHIP

Boosts research capabilities and the materialization of results.



SUSTAINABLE COMMITMENT

Zero-waste efficiency.
Material optimization.



TALENT ATTRACTION

Creation of an innovation environment.
Promotion of multidisciplinary teams.

INDUSTRY, TRAINING, AND ECOSYSTEM



SPECIALIZED TRAINING

- Courses for engineers and architects.
- University theoretical-practical integration.



CONSTRUCTION AND PRECAST

- Testing of products and structures.
- Development of alternative materials.
- Prototypes and custom components.



R&D ECOSYSTEMS

- Startups and technology spin-offs.
- Consortia and clusters.
- European projects



Your leading partner.

We design and develop the best **3DCP** technology
to take your productivity to the next level.

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