

A NEW & UNIQUE TECHNOLOGY

CERAsHELL

Additive manufacturing meets Ceramic

INNOVATION for In-Mould-Graining & PU-Sprayed-Skin

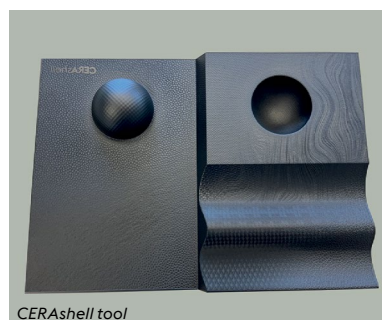
CERAsHELL is an additively manufactured, porous 'shell' tool coated with a functional ceramic surface which is machined, polished, laser drilled and laser textured.

The shell tool is primarily used for the thermoforming process, in particular for the IMG-S (In Mould Graining Skin) and for the PU Spray Skin process.

An alternative to high cost, time consuming traditional Galvano tooling process (Electroform).

BENEFITS OF THE TECHNOLOGY ARE:

- Environmental friendly and sustainable production process (No Nickel)
- Cost saving and remarkable time reduction
- Simplified process chain:
 - Fully digital based
 - Laser realised
 - Unlimited design freedom
 - Unique texture combinations and morphing opportunities
 - No distortion of textures ('Fit to Form' Rendering)
 - No design freeze



CERAsHELL tool



CERAsHELL products



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