

FastCast Ceramics - Ceramics for investment casting

FastCast Ceramics speeds up shell production in investment casting from the current ten days to two days. Creating shells in just two days by using our water-based, environmentally friendly and sustainable slurry unlocks great potential in your investment casting process.



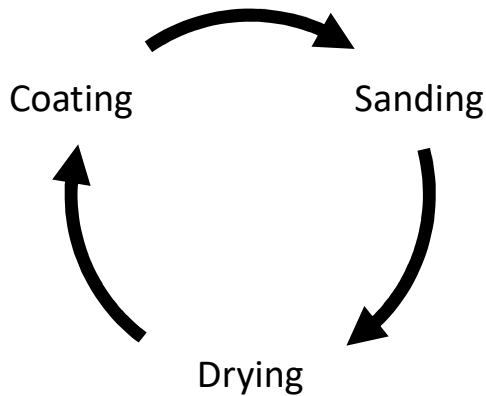
Technology

This process acceleration and simplification is made possible by a new, water-based and sustainable technology, which enables the removal of drying stresses from thicker layers. If the slurry is used as an all-in-one slurry solution, a zirconia layer can be dispensed with and recycling is possible. As a "Back-up slurry", the slurry is also supplied ready-mixed as a drop-in technology and can be used without changing the process and production equipment.

Benefits for the investment casters

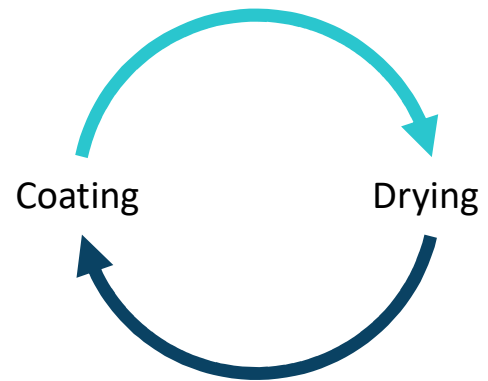
- ✓ *Acceleration of the mold production process by up to 70%.*
- ✓ *Elimination of the sanding step after slicking*
- ✓ *Reduction of equipment costs and space requirements*
- ✓ *Shell production for demanding components possible*
- ✓ *Fast & uncomplicated use in existing production lines*

Efficiency increase with FastCast Ceramics slurry



Conventional shell production

In the conventional production of the shells, the wax tree is dipped in a ceramic slurry, sanded and dried. This time-consuming process has to be **repeated about ten times** to create a sufficiently thick layer and takes about ten days.



Shell production with FastCast

With our technology, this process is significantly accelerated. Thicker layers are applied to the wax model per dipping process without cracking during drying. This means that **only three to four dipping operations are necessary** to create a sufficiently thick layer. Sanding can be dispensed with completely. Thus, the shells can be produced in two days.

FastCast Schlicker für den Feinguss – Vorteile auf einen Blick

- ✓ Application of thick layers on wax models possible
- ✓ Fast and crack-free drying
- ✓ No sanding necessary during production
- ✓ Drop-in technology – ready to use delivery of the slurry
- ✓ No toxic pyrolysis gases

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