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EMG · THE SALTCORE EXPERTS

Individual Solutions for
Customer Specific Applications

Mastering Saltcore Complexity

THE CERAMIC EXPERTS

EMG Saltcores – 40 years of know-how in saltcore technology

Emil Müller GmbH was founded in 1921 and has been producing saltcores for piston casting and complex customer-specific applications for over 40 years. Based in Wilhermsdorf, Germany, the company manufactures tens of millions of saltcores annually and is recognized worldwide as a reliable automotive supplier.

Through its extensive expertise, Emil Müller expanded internationally and operates manufacturing sites in Germany, Poland, Brazil, Mexico, and India. Today, EMG by CeramTec, a wholly owned subsidiary of CeramTec, employs more than 200 people worldwide.

Our Saltcore offers:
- Complex saltcore geometries in compliance with design criteria
- Smooth / customised surface
- High mechanical strength and dimensional stability
- Water-soluble raw materials
- Good environmental compatibility
- High long-term stability and storability

Large-scale production for the reproduction of pil-bearing cooling channels

Solving complex undercuts and internal cavities with saltcore technology

Our advanced saltcores are used in various die casting processes – from low to high pressure, gravity casting to modern applications in thixomoulding and injection moulding. Compared to classic sand cores, our NaCl cores made from natural and pure raw materials impress with a simple, clean and residue-free rinsing process.

Lost cores for aluminium, zinc and magnesium casting – your benefits:
- Extended design freedom
- Internal contours and cavities can be represented in the cast component
- Elimination of complex slider technology
- Near net-shape production: no post processing of the end product necessary
- Can be used under automated, harsh conditions and even in die casting
- Residue free and gentle saltcore removal
- Near net-shape casting

Our sintered saltcores in many different dimensions and shapes

Advantages for the casting process
- Residue-free removal of core after casting
- Increased surface quality (Rz = 5-25 µm) of cast parts
- Saltcores offer high mechanical strength (σ_B ~ 20 MPa)
- State of the art and economic production techniques
- High long-term stability of sintered cores during storage