Introducing Sinto Advanced Ceramics Europe GmbH

www.sinto-ace.de



SINTO ADVANCED CERAMICS

YOUR CONTRACT MANUFACTURER FOR ADDITIVE MANUFACTURED TECHNICAL CERAMICS

SINTO ADVANCED CERAMICS

We are **your contract manufacturer for industrial 3D printing** of technical ceramics, enabling reliable serial production in thousands.



ABOUT US

Pioneers in Ceramic Additive Manufacturing

- Based in Immenstadt, Germany
- Founded 2016 as CeriX
- Originated as a Bosch corporate startup
- Transitioned from Bosch to Sintokogio in January 2026
- Focus: reproducibility, precision and scalable series production



2014 First 3D Printer is Purchased

2016 Founding of CeriX

2020 Rebranding to Bosch Advanced Ceramics

2023 Exclusive Focus on Ceramic Additive Manufacturing

2025 115 % Growth in Ceramic Additive Manufacturing

2026 **Sinto Advanced Ceramics**



WHY ENGINEERS CHOOSE SINTO ADVANCED CERAMICS

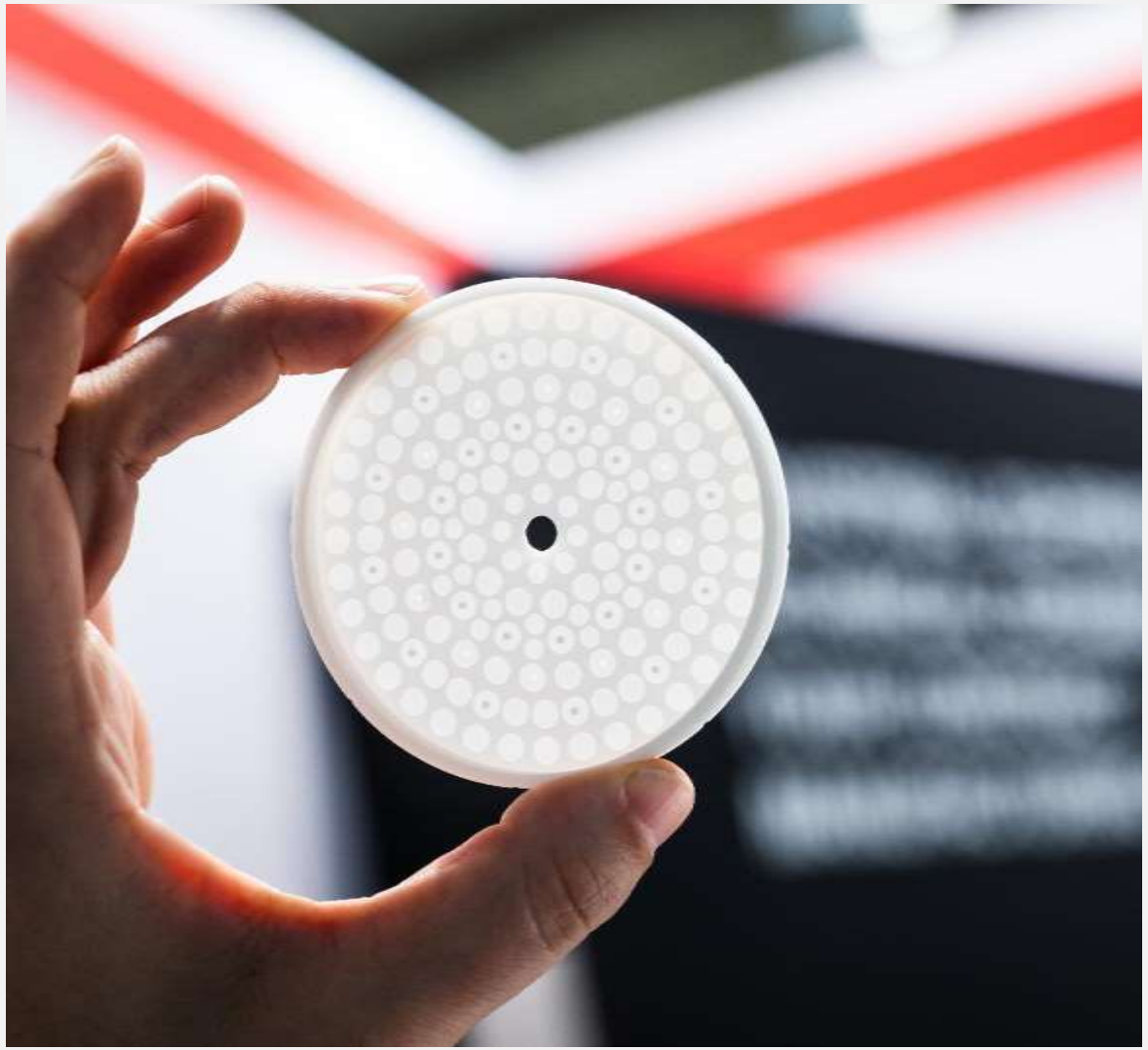
Deep Process Expertise
We are among the early pioneers who brought ceramic additive manufacturing into industrial series production.

End-to-End Service
From material selection to design optimization and industrialization.

Industrial Scalability
Our production environment is designed to scale smoothly from single prototypes to large-volume series.

Uncompromising Quality
We operate with high ceramic-manufacturing standards, validated through customer applications in high-tech industries.

Application-Driven Performance
Our components are engineered to perform under extreme conditions while realizing complex features.

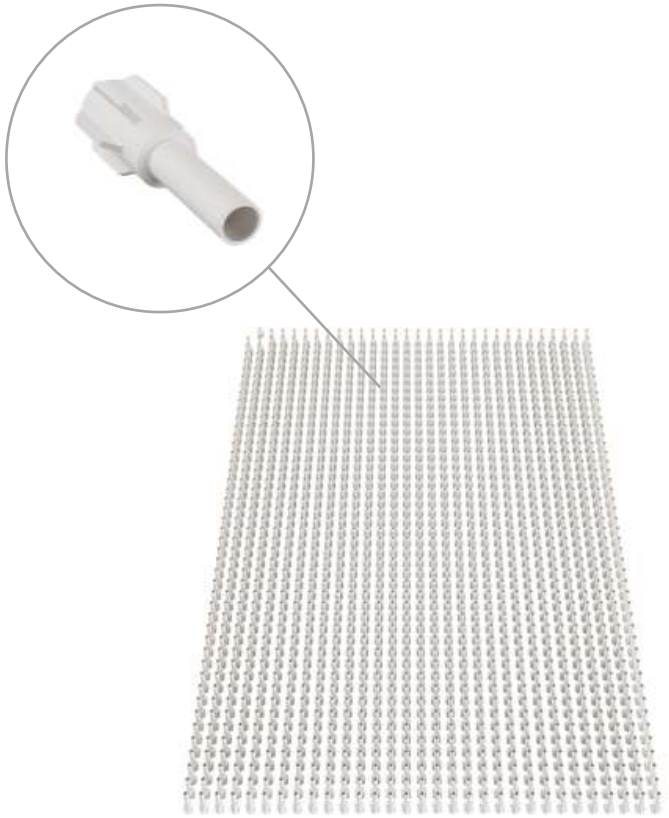


INSULATING SLEEVE FOR MEDICAL DEVICES

The Challenge: Multifunctional, but extremely small whilst competing with CIM in terms of cost and quality.

The ceramic insulating sleeve is used in a laparoscopic tool for minimally invasive surgery. A standout achievement of this project is the ability to manufacture 1,400 parts in a single batch, demonstrating both precision and scalability.

- Application: Laparoscopic tool used in minimally invasive surgery
- Dimension: Ø 0,6 – 1,3 mm, Height: 3,65 mm
- Production Capacity: 1.400 parts in one print job
- Wall Thickness: 90 µm
- Tolerance Requirements: ± 30 µm
- Status: Already used in series production





LASER CAP

The Challenge: Electrical insulation was required, and the material must withstand metal sparks.

This component is used as a hold down socket for automated laser welding processes in battery manufacturing. Because conductive materials are unsuitable in this environment, technical ceramics provide ideal electrical insulation combined with high thermal stability.

- Material: Alumina 99.8%
- Dimensions: 12 × 20 × 20 mm
- Weight: 23 g
- Features: Integrated extraction channel, thread, and clamping features
- Advantages: Easy to clean; long service life; wear-resistant; thermally stable
- Status: In Series production with estimated 1.000



YOUR CONTACT AT
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