

Established in 1865, Haldenwanger – Morgan Advanced Materials – has since developed into a leading global producer of high-tech ceramics. We offer you a comprehensive product range of oxidic and non-oxidic materials, primarily for use in demanding thermal, chemical and mechanical applications. By virtue of our extensive ceramic expertise, we are able to act not only as your supplier but also as a reliable partner in finding solutions to any technical challenges you may face.



- 1865 Porcelain manufactory Wilhelm Haldenwanger is founded
- 1882 Relocation to Heerstraße in Spandau, near Berlin
- 1896 First Great Industrial Exposition of Berlin
- 1910 Production is extended to include the manufacture of tubes
- 1945 Reconstruction of the destroyed factory site in Berlin-Spandau
- 1962 Sales office and warehouse in Düsseldorf
- 1963 Plant II opens in Waldkraiburg
- 1970 Plant I is moved to the Berlin-Spandau industrial zone
- 1985 Relocation and expansion of the new Plant III, Waldkraiburg
- 1990 Start of Halsic-R and Halsic-I production
- 1997 Member of Morgan Crucible Company PLC, UK
- 2004 Consolidation of business units at the Waldkraiburg site

**Morgan Advanced Materials
Haldenwanger GmbH**

Teplitzer Str. 27
84478 Waldkraiburg, Germany

T +49 (0)8638 60 04-0

F +49 (0)8638 60 04-317

info.haldenwanger@morganplc.com



Morgan Advanced Materials Haldenwanger has achieved international ISO 9001:2008, ISO 14001:2004 and BS OHSAS 18001:2007 certification.

www.morganadvancedmaterials.com
www.haldenwanger.de



Technical ceramics
since 1865

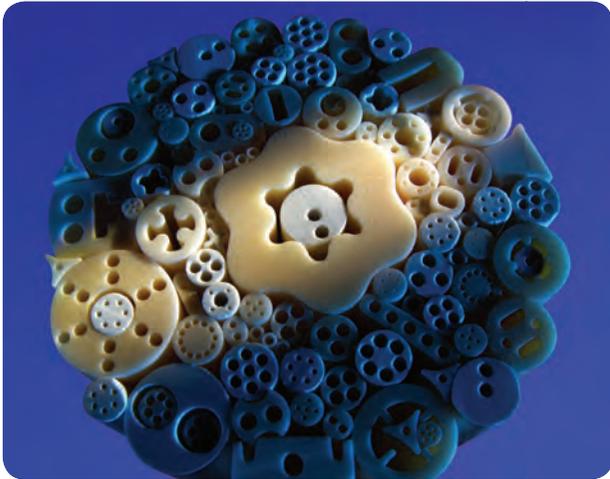


Heat, corrosion, endurance, insulation ...

Modern technologies place huge demands on materials. Technical ceramics come into their own right at the point where other materials have long failed. Through the use of highly purified, synthetic raw materials, technical ceramics have made their mark as a high-strength, high-tech material for extreme applications. Haldenwanger has been a major driving force behind this for more than 150 years – evolving from an innovative laboratory porcelain manufactory into the world's leading producer of high-performance ceramics.

Diversity – tubes

Stable processes require custom components. Our comprehensive range of tubes delivers optimal solutions for applications up to 2000 °C, whether in aggressive media or under high thermal shock. We offer a total of 15 oxidic and carbidic materials in countless designs, including Alsint 99.7 (C 799), Pythagoras (C 610) and Sillimantin 60 (C 530), in accordance with DIN EN 60672. Use our Haldenwanger diversity to optimise your processes.



Protection tubes, insulators, indirect heating tubes and support tubes for electric resistant heating furnaces, beams, profiles and kiln furniture

Excellent surface finish – fused silica rollers



Their outstanding mechanical properties and special surface finish make our fused silica rollers indispensable as transport rollers in all kinds of glass tempering furnaces. These furnaces are used to finish e.g. safety glass for use in architecture and the automotive industry. Furthermore, we also offer fused silica rollers with integrated metal end caps in many designs. Customised shapes do not present any problems.

Their outstanding mechanical properties and special surface finish make our fused silica rollers indispensable as transport rollers in all kinds of glass tempering furnaces. These furnaces are used to finish e.g. safety glass for use in architecture and the automotive industry. Furthermore, we also offer fused silica rollers with integrated metal end caps in many designs. Customised shapes do not present any problems.

High performance – Halsic



The Halsic name stands for exceptional ceramic high-performance materials from the silicon carbide (SiC) group. We supply kiln car structures, plates, beams, rollers and special designs with excellent heat transfer values for efficient energy utilisation and an optimal kiln-furniture-to-sintering-material relation.

Long service life – rollers



Perfectly adapted materials and dimensions extend the service life of ceramic rollers. A unique range of materials with more than ten oxidic and carbidic materials for application temperatures of up to max. 2000 °C combined with more than 50 years of roller expertise ensure the durability of our rollers.

We manufacture standard and top-end products for standard applications, including the firing of wall and floor tiles, porcelain dishes, sanitary ware, roofing tiles, etc.

Tradition – laboratory porcelain



We have been producing and optimising our laboratory porcelain for more than 150 years and made a name for ourselves worldwide through our quality and extensive range. The properties of our laboratory porcelain comply with DIN EN 60672-3, Type C II10. For more sophisticated applications, our laboratory products such as jars, plates, boxes, combustion boats, etc. are also available in Alsint 99.7 impervious and Alsint porous.

Our laboratory products such as jars, plates, boxes, combustion boats, etc. are also available in Alsint 99.7 impervious and Alsint porous.

Flexibility – specialties



Customised products are also in experienced hands with us. In addition to a large variety of production methods such as extrusion, casting, isostatic pressing and dry pressing, Haldenwanger also offers custom designs produced by injection moulding. We can also supply zirconium oxides

(MgO-PSZ and CaO-FSZ) for special applications.

