



## **Engineering Ceramics – Hot Solutions for the Highest Demands**



Schunk Ingenieurkeramik



## **Engineering Ceramics - Material of the Future**

In many fields of industrial manufacturing, engineering ceramics have already established themselves as the material of the future. Their many excellent properties make applications possible that cannot be realized with other materials. Wherever a high degree of purity, chemical resiliency and temperature resistance are demanded, convincing solutions can be found with engineering ceramics.

In the design and construction of furnaces and thermal process technology facilities as well as in the ceramic processing industry itself, ceramic kiln furniture such as girders, profiles, bearing rollers and plates have proven themselves to be optimal solutions. Schunk jet and flame tubes as well as recuperator burners are among the most important thermal process engineering components in the world.

Schunk Ingenieurkeramik offers a comprehensive product range of wear resistant linings for tubes and pipes, hydrocyclones, conveyors and feeding and dosing equipment.

## **Schunk Ingenieurkeramik - Competence in Problem solving**

With this extensive array of products and their diverse applications, Schunk not only offers a wide range of standard products, but also a wealth of experience in the use of engineering ceramics.

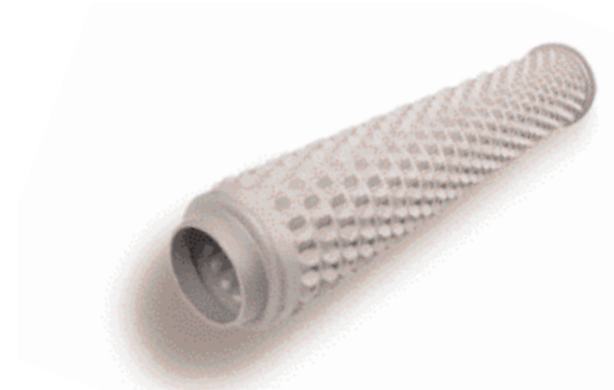
If you are looking for an innovative partner for groundbreaking ceramic solutions, then you're at exactly the right place at Schunk Ingenieurkeramik.

## **Member of an International Technology Group**

Schunk Ingenieurkeramik is a member of the Schunk Group, a multinational technology group with a wide range of products in the fields of materials and systems engineering. Along with the Carbon and Quartz Engineering, Sintering Technology, Environment Simulation and Climate Technology and Electrical and Production Engineering Divisions, The Engineering Ceramics Division is one of the leading performers of the Schunk Group. Schunk is represented by 80 subsidiaries in 25 countries around the globe.

**One should not aspire to foresee the future,  
but rather to make it possible**  
*Antoine de Saint-Exupéry*

# Keramische Werkstoffe – überragende Eigenschaften



**A leader in Ceramics**  
Among global market leaders for jet and flame tubes as well as for SiSiC recuperator burners



**Challenge Tribology**  
"Hard" ceramic materials provide long useful life, especially for applications dealing with aggressive, abrasive liquids



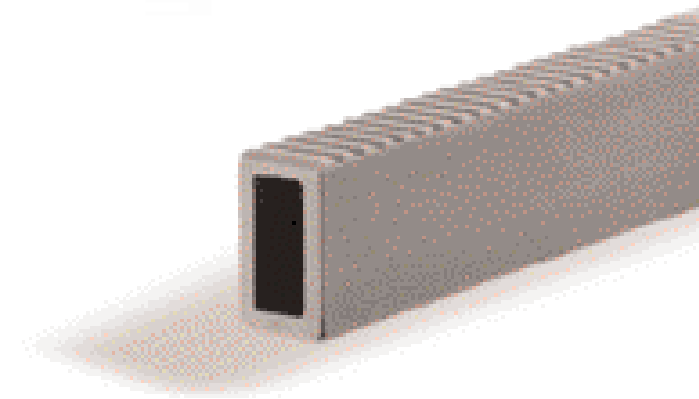
**Efficiency and Safety**  
Ceramic kiln furniture: low thermal mass and high strength



**Maximum Performance**  
Burner jet for direct high efficiency heating in complex geometries



**Excellent Properties**  
Ceramics: materials with a high degree of purity, chemical resiliency and temperature resistance



# Top Quality in Serial Production

## Custom Made Materials and Products

Upon request, we gladly work closely with our customers from an early stage to answer all questions dealing with the optimal design of ceramic related parts, up to and including the design of complete subassemblies. We support you during the entire development process with experienced engineers and designers.

We implement the solutions for you, from prototypes to industrial scale production, using the most modern manufacturing techniques and equipment.

## Quality across the Board

Schunk Ingenieurkeramik has been successfully employing customer oriented process and quality management techniques for quite some time now. The high level of quality that we have thus achieved is the sum of many individual quality assurance measures. Our employees at all levels independently meet the high demands of quality, customer service and competitiveness placed on our products.

## Have We Awakened Your Interest?

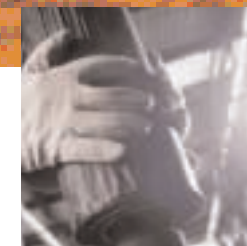
We would be delighted if we have awakened your interest in Schunk Ingenieurkeramik and we are glad to give you overview of the huge potential that we can offer you. As we mentioned, it's not as much about foreseeing the future as it is about making the future possible.

That, we can do, and it is our desire to do so. Together with you. If you would like to take a first step in that direction, just contact us.

Welcome to Schunk.

**Quality is no coincidence,  
It is invariably the result of strenuous thinking.**

*John Ruskin*



*Shaping –  
from prototype to  
serial production*



*Quality control –  
an integral component of  
the manufacturing process*

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