IBS PAPER PERFORMANCE GROUP

PROCESSING OF TECHNICAL CERAMICS

As the IBS Group, we are a global leader in ceramic and plastic dewatering elements for the pulp and paper industry. With over 55 years of experience in grinding, milling and drilling demanding materials, we manufacture high-precision, complex components using technical ceramics, glass fiber reinforced plastic (GRP), and other specialized plastics.

YOUR BENEFITS

- Over 55 years of experience, we specialize in the grinding, milling, and drilling of technical ceramics, glass fiber reinforced plastics (GRP), and other plastics.
- High-quality machinery, including 5-axis machine systems, enables precision manufacturing of components up to 30 meters length.
- High-end working methods and quality assurance, 3D scanning service, CAD/CAM, ...
- From prototype construction to large-scale production.
- Consulting on ceramic selection for wear behavior, thermal resistance, edge strength, sliding properties, and more.

SAVE RESOURCES
WITH IBS TECHNOLOGIES

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PROCESSING OF TECHNICAL CERAMICS

Our high-precision machinery is specially designed to process technical ceramic components up to 30 meters long. It is continuously upgraded and expanded, covering an area of over 1,000 m² to meet growing technical demands.

CNC parallel grinding

This grinding process is particularly suitable for flat, parallel surfaces that demand high precision and good surface quality.

CNC grinding 3 to 5 axes

The simultaneous control of all five axes of the grinding machine enables high-precision machining of complex geometries. Diamond-tipped tools are used to machine the hard and brittle ceramic with minimal material removal and low heat generation.

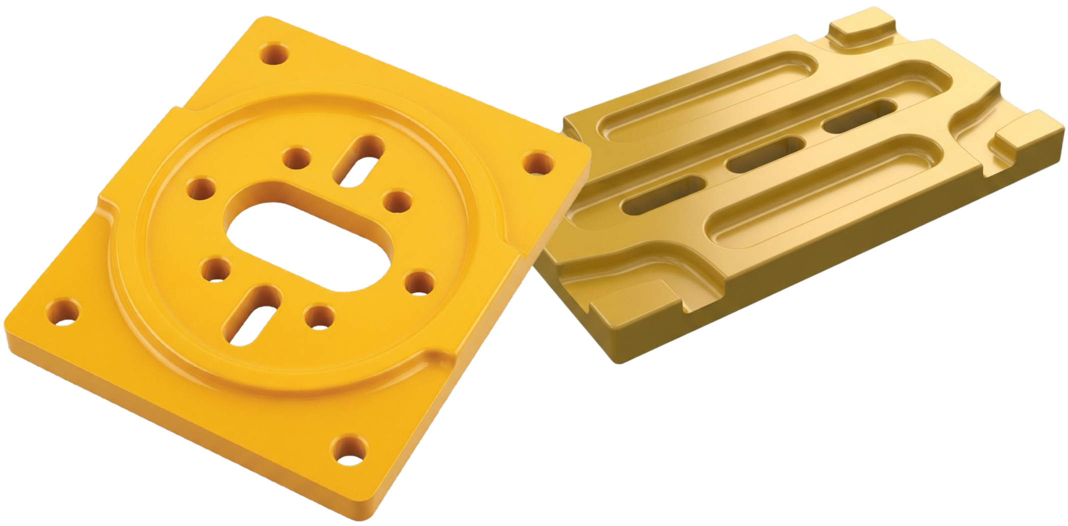
Our 5-axis machine systems are designed for small components (from 160 x 100 x 120 mm) up to large components (30,000 x 1,000 x 1,000 mm).

CNC surface grinding

Using sophisticated diamond tools, the flat surface of a workpiece is machined with peripheral and cup wheels to achieve accuracy and a smooth, even surface.

Polishing and finishing

It provides the final finishing for your technical ceramic components, delivering surfaces that not only meet the highest precision standards but are also visually impressive.



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