

Ceramic Insert Sintering Plate



Overview

Ceramic sintering tray and setter plates assist optimally array and fix molded parts in a sintering furnace to prevent brown part deformations during the firing process. Innovative C12 thermal processing solutions include advanced products for debinding. Innovacera manufactures ceramic setter plates for high demands on geometry and material quality for your components. The setter plate is widely use for sintering and debinding of metal injection molding, ceramic injection molding, piezoelectric ceramic transducer (PZT) or Solid Oxide Fuel Cell. High-purity alumina setters are ideal for quality improvement and cost reduction. We possess standard molds in various sizes, we can therefore. Keralpor 99 is our standard setter plate, which offers the greatest advantages when used in thermal processes. If the materials being sintered come into direct contact with the furnace.



Article Content

May 24, 2026

Ceramic Setter Plate INNOVACERA

The setter plate is widely use for sintering and debinding of metal injection molding, ceramic injection molding, piezoelectric ceramic transducer (PZT) or Solid Oxide

Apr 01, 2026

Sintering

The production of porcelain involves sintering too, but at a certain stage of the process, a liquid phase is formed and infiltrates the open pores - this is liquid-phase sintering. The efficacy of the sintering

Feb 22, 2026

Ceramic Setter Plate for MIM and CIM

Ceramic setter plate offer decisive advantages over conventional setters made from materials like graphite or tungsten. This enables energy and cost-efficient processing of high-precision sintering

Dec 20, 2025

Ceramic Cutting Materials for Machining

SPK ® Cutting Materials Ceramic Inserts for Metalworking Under the SPK® brand CeramTec offers a unique program in terms of scope, diversity and performance

Oct 04, 2025

Pressure-less sintering of molybdenum-reinforced ceramic cutting ...

Innovations in self-lubricating cutting inserts have positioned dry machining as an attractive manufacturing technology with minimal environmental footprint. Here, a novel self-lubricating ceramic

Nov 30, 2025

Material Composition of Metal-Cutting Inserts

Ceramic inserts are offered near the same price for a pack of 10, and each insert will always offer multiple cutting edges depending on the geometrical shape. Lower priced CBN options are available

Sep 02, 2025

Ceramic Inserts for CNC Machining: Tips, Types, and

Ceramic inserts are widely used in CNC machining for high-speed cutting and difficult-to-machine materials (e.g., superalloys, hardened steels) due

Jul 29, 2025

Ceramic sintering trays and setter plates

As setter plates, alumina and aluminum nitride ceramics offer decisive advantages over conventional setters made from materials like graphite or tungsten. This

Dec 05, 2025

Sintering: Grain Boundaries, Interfaces, and Porosity

Sintering: Grain Boundaries, Interfaces, and Porosity Objective: To demonstrate how individual particles and powders can be processed and formed into large solid objects and investigate the material

Aug 20, 2025

Ceramic General Turning

Ceramic General Turning - ISO Inserts - Our Secomax™ ceramic insert grades provide optimized wear resistance and toughness when cutting parts from heat

Aug 21, 2025

Sintering Trays and Setter Plates

The various properties of sintering trays and setter plates allow their use in a wide range of applications, some of which are outlined below: * Sintering electronic components such as

Feb 17, 2026

Sintering mechanics of ceramics: a short review

The strength and reliability of ceramics is determined by the microstructure and small defects, such as voids and cracks, which are often formed during sintering. The continuum

Jan 12, 2026

What's new in ceramics sintering? A short report on the latest trends ...

Nowadays, sintering refers to a much broader scientific and technological concept. Its applications are not limited to the production of ceramics but involve the manufacturing of

Jan 22, 2026

Ceramic Inserts

Machining Nickel-based superalloys with Ceramic Inserts Machining Nickel-Based Superalloys is the most popular application for Ceramic inserts because it

Dec 02, 2025

Sintering Plates

Anderman Industrial Ceramics offers a full range of Sintering Plates as solutions for firing support systems during furnace sintering processes. Sintering conditions

Mar 21, 2026

Sintering Si₃N₄ Ceramic Silicon Nitride Sheet Plate Manufactures

Pangkalahatang-ideya ng Sintering Si₃N₄ Ceramic Silicon Nitride Sheet Plate Manufactures Sintering Si₃N₄ Ceramic Silicon Nitride Sheet Plate Manufactures ay isang high-performance advanced

Jul 24, 2025

Plates, Saggars, Boats & Setters

Products like PIM/MIM Setters, airfoil core setters, PM sintering fixtures, pusher plates, saggars for calcining, sintering and heat treating are all available. Blasch

Mar 13, 2026

Sintering in Ceramics: A Comprehensive Guide

Sintering is a crucial process in the fabrication of ceramic materials, involving the consolidation of particles through thermal treatment to achieve a dense and coherent body. This

Sep 19, 2025

Plates, Saggars, Boats & Setters

Available in a variety of premium refractory materials, these systems are individually engineered to fully support our customers' product during de-binding and

Aug 16, 2025

Sintered Alumina Plates | Ceramic Insulator

99.8% Sintered Alumina Plates stocked & ready to ship. If you need different dimensions or a custom part fabricated, contact us directly.

Feb 26, 2026

Influence of Sintering Variables on Shape Quality of Cemented ...

Abstract The sintering process is a crucial step in the production cycle of cemented carbide inserts where dimensional accuracy is challenging. This work is to study in detail the critical aspect of shape

May 21, 2026

Ceramic Setters | Fine Ceramics (Advanced Ceramics)

Since high-purity alumina has excellent corrosion resistance and thermal shock resistance, it is used for setters for sintering and heat treatment. We possess

Jun 25, 2026

Sintering Trays and Setter Plates

Sintering trays and setter plates with high thermal conductivity can help reduce temperature variations, thereby improving yield and productivity.

Jun 28, 2025

Sintering Setters and Kiln Furniture

Alumina, zirconia, and magnesia setter plates, trays, and kiln furniture for debinding and sintering of ceramic components and metal parts, CIM, MIM, and LTCC.

May 30, 2026

Keramische Brennhilfsmittel und Setter Plates

Als Sinterunterlagen bieten Aluminiumoxid- und Aluminiumnitrid-Keramiken entscheidende Vorteile gegenüber herkömmlichen Setzplatten aus Werkstoffen wie Graphit oder Wolfram. Hochpräzise

Nov 04, 2025

Sintering Silicon Carbide: Everything You Should Know

Pressureless sintering of silicon carbide can help you produce any kind of complex-shaped ceramic material of your choice. Using the pressureless

Mar 30, 2026

Ceramic Setter Plate

Sintering ceramic sagger help in the optimal arrangement and security of molded parts in a sintering furnace, preventing unwanted deformations during the

Contact Us

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