

**STEULER** | Refractory Linings



SUPPORTING  
**POWDER METALS**

FOCUS ON PERFORMANCE



# SINTER SUPPORTS FOR THE **POWDER METALLURGY**

Kiln furniture is like a tailored suit – it must fit. It needs to support the geometries and specifications, and reliably withstand the thermal and mechanical loads. Exact, made-to-measure with very low tolerances, complex geometries and precise surfaces - because the optimum adapted form and function of the kiln furniture improves your production quality and safety.

The use of special kiln furniture minimises the finishing costs of powder metallurgical sinter parts. The smoother the firing surface, the smoother the sintered part after heat treatment. Support points can be arranged at different heights and shrinkage can also be preset to any degree needed. Steuler kiln furniture is produced using a dry press process or via vibration pressing, where all dimensions can be controlled with high precision. This ensures close dimensional tolerances in the workpieces and minimises finishing work, a definite bonus when automating production lines. The materials we use are characterised by very high resistance to temperature shocks – a crucial requirement for instant cooling and fast kiln cycles.

Steuler manufactures using state-of-the-art systems and a high level of automation – allowing own mould construction to be able to implement even the most complicated geometries quickly and effectively. And always with production specialists with years of experience that have the right feel for materials and geometries. This gives us the necessary flexibility even with smaller lot sizes when things need to happen quickly. Take advantage of our many years of experience and our know-how even at the development stage of powder metal components. We can advise you and together we can then develop solutions which minimise your production costs. As a plant operator, you can also benefit from our close contacts with kiln and machine constructors.



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