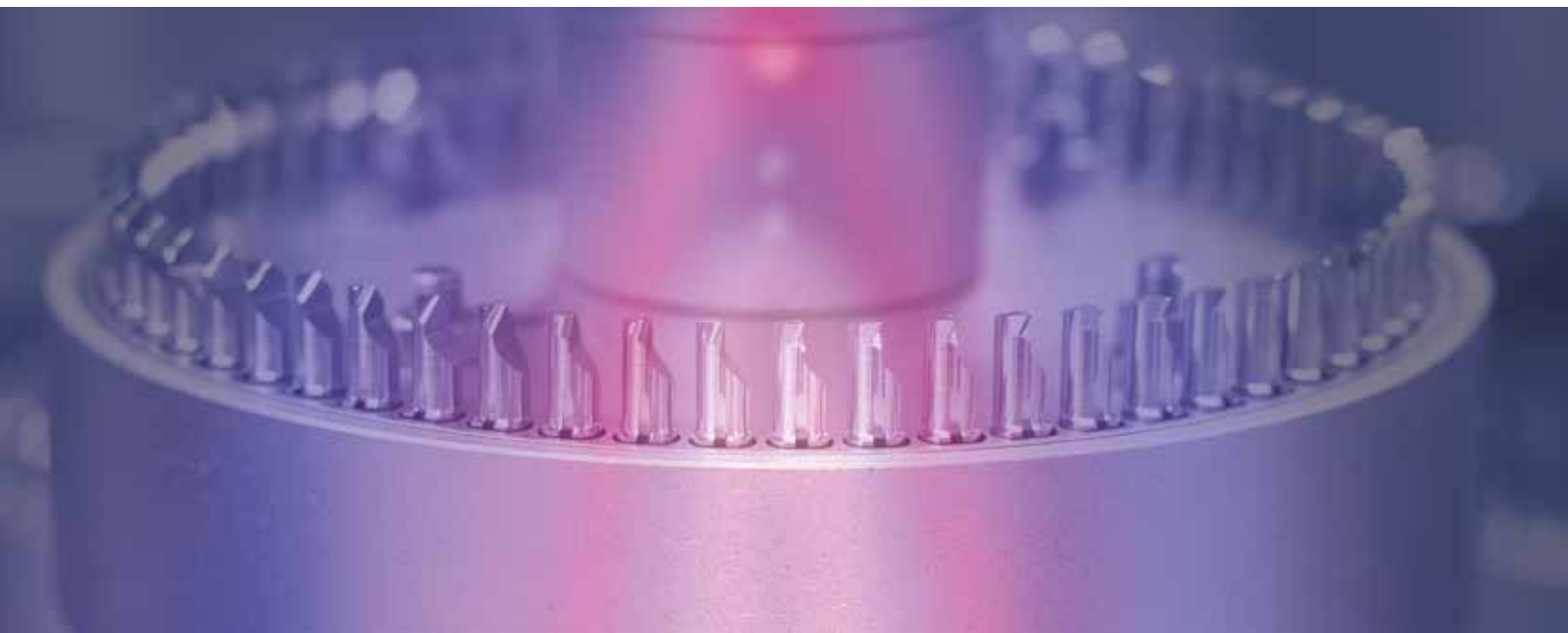
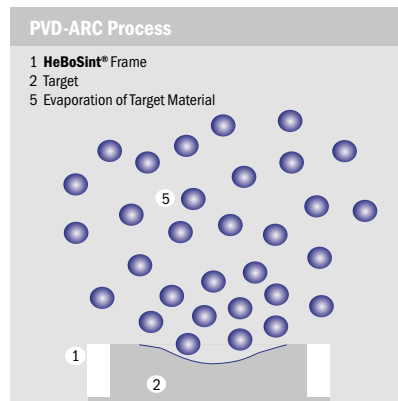
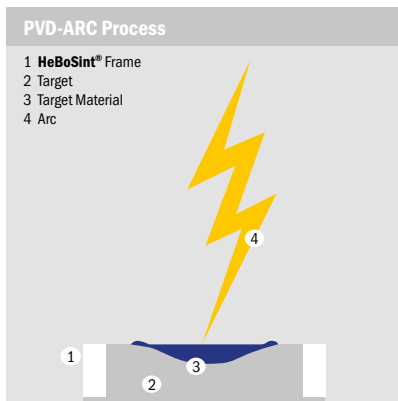


Boron Nitride Sintered Components - **HeBoSint**[®] for PVD and Plasma Systems

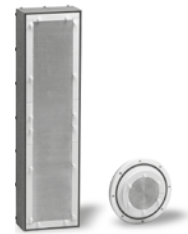


HeBoSint[®] - technical ceramics
for all PVD-ARC and Plasma
systems – for electrical insulation
and shielding.





HeBoSint®
Boron Nitride Sintered
Components



Products incorporating
refined surfaces



Workpieces arranged
inside a PVD system



PVD coatings refine or enhance the surfaces of finished components in a variety of ways. This thin film technology allows a variety of materials to be applied to surfaces in the form of thin coatings.

HeBoSint® insulating shrouds and rails ensure that the PVD arc is safely and reliably constrained towards the target. They prevent electrical arcing to surrounding equipment. This results in a significant improvement in operational reliability and equipment service life. Target frames, protective tubes and sleeves as well as shields and liners are manufactured to exact customer specific requirements.

Any unwanted metal deposits that can still arise in PVD and Plasma systems can be easily removed from surfaces that have been previously coated using our **HeBoCoat®** liquid suspensions.

Typical Areas of Application

- ▶ PVD-ARC and Plasma systems

Henze offers

- ▶ A proven range of **HeBoSint®** Boron Nitride components for all PVD-ARC and Plasma systems
- ▶ Precisely manufactured to customer specifications
- ▶ Professional on-site advice on the potential application of both **HeBoSint®** and **HeBoCoat®** in PVD and Plasma systems

Advantages

- ▶ Excellent thermal cycling resistance
- ▶ Excellent electrical insulation
- ▶ Excellent machinability of sintered components
- ▶ Good release properties
- ▶ Easily cleaned

Properties of HeBoSint®

- ▶ Temperature resistant to 900 °C in air, in inert conditions or under vacuum to around 2000 °C
- ▶ Low thermal expansion
- ▶ Excellent thermal shock resistance
- ▶ Excellent electrical insulator, including at high temperatures
- ▶ Good release properties
- ▶ Good chemical resistance
- ▶ Available in a wide variety of precision machined geometries
- ▶ Neither toxic nor harmful to the environment



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