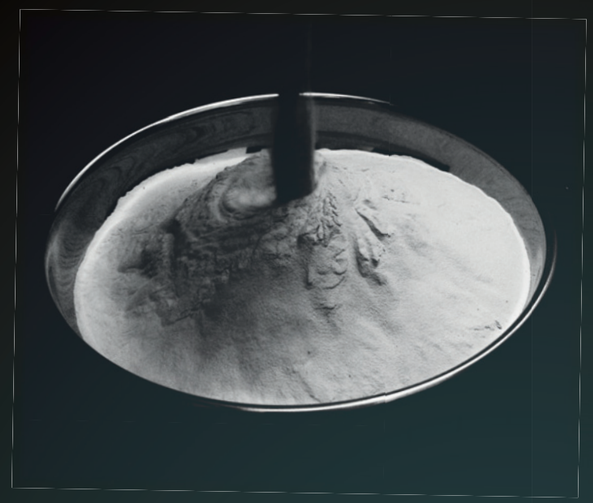
SAFINA a.s.

SAFINA, a.s. enforces EN ISO 9001:2000 and EN ISO 14001:2004 certified standards. Extraordinary emphasis is placed on product quality. Precision, correctness and reliability of manufacturing processes and analytical results are ensured by our certified quality control system. SAFINA, a.s. also holds the European conformity sign CE granted by Lloyd's Register Quality Assurance Ltd. pursuant to the standard EN ISO 13485.



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PRECIOUS METALS PROCESSING AND RECYCLING

SILVER POWDERS

HIGH **QUALITY**

SILVER
POWDERS
High Quality

Assortment

SAFINA, a.s. has been a traditional European manufacturer of precious metals for over 150 years. Renowned for its extraordinary accuracy and reliability at each stage of the manufacturing process, SAFINA, a.s. offers its customers exceptional value.

Silver powders for powder metallurgical applications are used in various industries. That is why SAFINA, a.s. not only produces silver powders to exacting industrial standards, but also offers custom-made solutions.

SAFINA, a.s. offers the full range of silver powders for metallurgical applications. Spherical and dendritic powders are produced by our proprietary thermal and chemical processes.

Advantages

Powders produced by SAFINA, a.s. all exhibit excellent conductivity as well as providing specific advantages in each application. Our custom-made powders give excellent performance in the specialized applications of our customers. Rather than focus on mass production “one size fits all“ solutions, SAFINA, a.s. is your source for customized products with superior performance in niche markets.

Applications

Typical industrial applications for silver powders:

- Thermal spray (flame spray, plasma spray, cold gas spray)
- Silver contact materials
- Carbon brushes for electric motors and generators
- Diamond cutting tools
- Electromagnetic shielding
- Conductive adhesives and paints

Properties

Properties of silver powders strongly depend on the industrial application they are used in.

Typical properties		
Spherical powder	Chemical purity	>99%
	Size range	0-250 µm
	d_{50}	15-60 µm
	Apparent density	3.0-5.0 g/cm^3
Dendritic powder	Chemical purity	>99%
	Size range	0-150 µm
	d_{50}	20-35 µm
	Apparent density	1.0-1.5 g/cm^3

Recycling

SAFINA, a.s. also offers its own in-house recycling for spent products. This “one stop shop“ ensures customers of a value-added and sustainable partnership throughout the materials cycle.