

Precious Metal Powder Solutions

In-house manufacturing & validation

Why choose Cookson for powder?

- Full vertical integration - from alloy melting to powder certification
- Custom precious metal powders - small or production-scale batches
- In-house testing & certification
- Short lead times

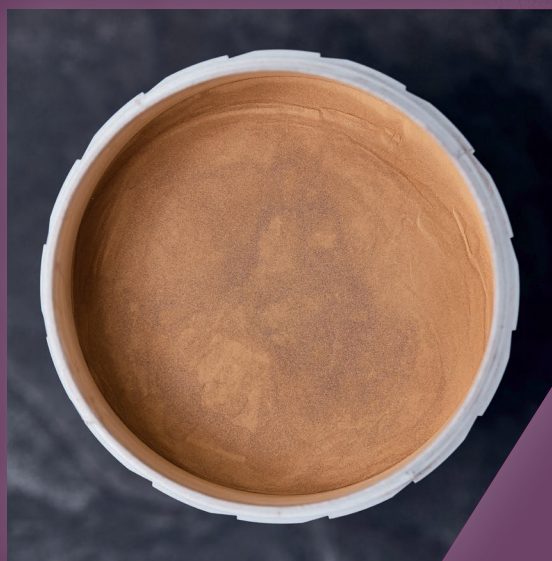
In-house manufacturing capability

Metals processed: Gold, Silver, Platinum, Aristalloy. Batch sizes: 2–15 kg

- Pre-graining
- Gas Atomization (Argon, Nitrogen)
- Powder Sieving & Air Classification

Applications

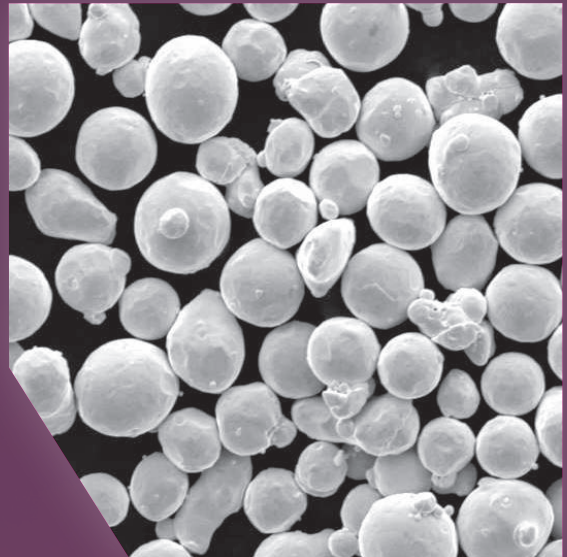
- Medical Devices & Dental
- Aerospace, Defense & Space
- Additive Manufacturing
- Semiconductors & Microelectronics
- Catalysis & Advanced Materials
- Luxury Goods & Jewelry



Quality assurance & validation

- Particle size distribution (Laser Diffraction)
- Morphology (SEM Imaging)
- The latest laboratory analysis techniques
- Flowability & rheology
- Bulk density & Hall flow
- Microstructure & porosity mapping
- Lab standards: In-house metallography, ISO/ASTM aligned.

*ICP-OES and XRF to be confirmed



Standard alloys we can offer within typical lead times:

Alloy	Batch	PSD	Application
Fine Gold	8.5 kg	25–100 µm	Powder pressing
18 Yellow	5 kg	15–40 µm	Additive manufacturing
18 White	5 kg	15–40 µm	Additive manufacturing
18 Red	5 kg	15–40 µm	Additive manufacturing
Fine Silver	8.5 kg	25–100 µm	Powder pressing
Sterling Silver	5 kg	15–40 µm	Additive manufacturing
Aristalloy	10 kg	10–100 µm	Dental amalgam
Fine Platinum	5 kg	15–50 µm	Catalysts
Platinum Ruthenium	5 kg	15–50 µm	Additive manufacturing



T +44 (0) 0121 233 8191
E sales@cookson-industrial.com
cookson-industrial.com

Need something custom?

New alloy to test?
Specific PSD or performance requirements?

We're here to help.

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