

Swiss Trading Firm Specializing in Ultra- fine Copper Powder with Purity 99,9984%





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The company is an experienced consulting and trading firm specializing in ultra-fine copper powder. The focus is on copper powder with a purity of at least 99.999%. The firm acts as the interface between the buyer and seller, working exclusively on a success basis.

Expertise and Services

The firm serves as a trusted global partner, leveraging extensive knowledge in ultra-fine copper powder.

- **Trading and Sourcing:** The company provides specialized services including raw material sourcing, logistics, trading, and marketing. The trading operations are organized and handled by its own company in Switzerland.
- **Consulting and Brokerage:** Services include brokerage, consulting, and agency.
- **Risk Management and Compliance:** The firm supports clients in managing all facets of commodity transactions and risk management. Services in this area include:
 - Risk strategy, model development, and validation.
 - Governance, compliance, and control (risk policy, setting limits, reporting, analysis).
 - Regulation and compliance advice on derivatives legislation and fraud.

Inventory and Financial Status

- **SKR ISE Safekeeping Receipt N°. [Redacted]**, Issue date 11/10/2024, Expire date: 10/10/2025, and with a value of €. 1,880.00 per gram.
- Kept in safekeeping at **XXXXXXXXXXXXXXXXXXXX**, Switzerland.
- **ISE Analysis Certificate ISE-XXXXXXX, 100,000-gram**, confirming a chemical purity grade of 99.9984%.

Ultra-fine copper powder

Ultra-fine copper powder is an essential, high-value element driving innovation across multiple high-tech industries. Despite the small quantity of material used in final products, this material is notably expensive due to its highly complex and specialized production process.

- **Purity:** The copper powder must possess a high degree of purity, at least 99.999%.
- **Particle Size:** The particle size must be extremely small, not larger than 1 μm .
- **Particle Shape:** The individual particles must be approximately round.

TARGET PRICE
CHF 95,000,000

BUSINESS TYPE
Wholesaler

COUNTRY
Switzerland

BUSINESS ID
L#20260991

The intensive production process requires many times more raw copper—approximately 250 kilos of raw copper—to produce just one gram of this specialized powder. However, the most significant factor contributing to its high cost is the specialized equipment necessary for its production.

Broad Applications Across High-Tech Sectors

Ultra-fine copper powder is valued for its excellent electrical conductivity, thermal properties, and chemical reactivity, making it a critical material in a wide range of fields

Sector	Application	Details
Electronics & PCBs	Conductive Inks and Pastes	Used for printed circuits and flexible electronics.
	PCB Manufacturing	Enables the printing of very fine conductive traces and serves as a cost-effective alternative to silver.
Energy Storage	Batteries and Supercapacitors	Used in anodes for lithium-ion batteries, where its high conductivity and surface area improve energy and charging efficiency.
Advanced Manufacturing	Additive Manufacturing (3D Printing)	Highly suitable for the Selective Laser Melting (SLM) process, allowing for the production of complex, conductive structures.
Metallurgy	Sintering and Alloys	Used in powder metallurgy to manufacture complex, high-precision shapes through sintering. It is also added to alloys to improve properties like corrosion resistance.
Catalysis & Chemistry	Chemical Reactions	Due to the large surface area of its ultrafine particles, copper is an excellent catalyst for reactions such as methanol production or the reduction of nitrogen oxides.
Thermal Management	Cooling in Electronics	Employed in thermally conductive adhesives, pastes, and plastics to facilitate the cooling of electronic components.
Antimicrobial Use	Medical and Textile Coatings	Copper is known for its antimicrobial properties, leading to its use on surfaces, medical devices, and textiles to manufacture antibacterial products.
Cosmetics	Pigments	Used in make-up and nail polishes to create shimmering and metallic effects, giving products a shiny, long-lasting color.

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