



THESSCO

INDUSTRIAL & BRAZING

POWERING ELECTRIC CONTACTS

Silver-Based Laminates & Brazing Alloys for High-Performance Applications



RELIABLE MATERIALS FOR CRITICAL ELECTRICAL SYSTEMS

The rapid growth of data centers, artificial intelligence and electric mobility is driving increasing demand for high-performance electrical contacts.

Higher power density and switching frequency require materials that ensure: **high electrical conductivity, resistance to arc erosion, long-term reliability** under demanding conditions. **Thessco SAS** develops advanced **copper and silver-based solutions designed for critical applications.**

WHERE PERFORMANCE MATTERS



Data Centers & Power Infrastructure: UPS systems, switchgear, power distribution, high-power connections



AI & High-Performance Computing: High-density power systems, energy conversion modules, reliable interconnections

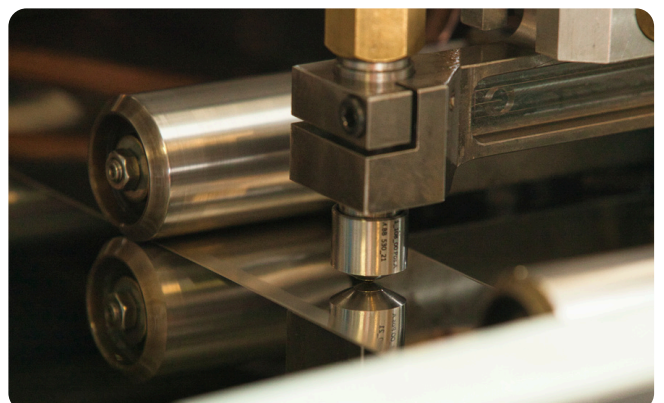


Automotive & E-Mobility: Battery contactors, high-voltage relays, charging systems, power electronics

INTEGRATED MATERIAL APPROACH

Combining ultra-thin laminates and brazing alloys enables optimized performance across the entire component lifecycle. This is the reason why **Thessco is your partner in Advanced Contact Materials**

- ✓ Deep expertise in silver-based materials
- ✓ High flexibility in production and customization
- ✓ Advanced metallurgical know-how
- ✓ Support for demanding applications
- ✓ Consistent quality aligned with international standards



ULTRA-THIN LAMINATES & PRECISION STRIPS

We manufacture high-performance thin laminates and foils engineered for electronics and electrical contact applications.

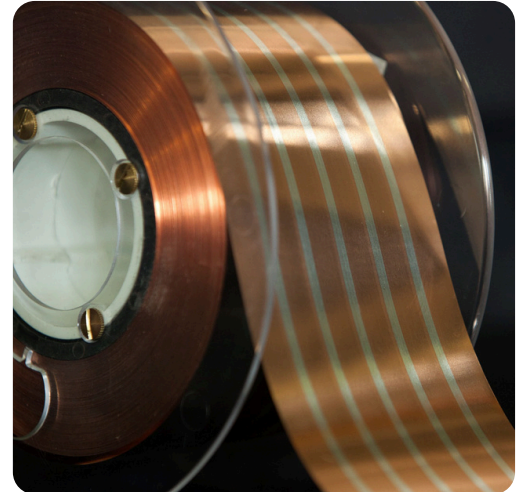
- Silver strips with purity up to 99.99%, Thicknesses ranging from a minimum of 8 microns. Minimum width 1 mm
- Copper strips and laminates, various types of copper available according to requirements. Thicknesses up to 8 microns. Minimum width 1 mm.
- Ag/Cu bimetal strips available in different configurations: Through-lay, In-lay, Edge-lay, Over-lay and Multilayer solutions

Key benefits:

- Excellent electrical conductivity
- High resistance to arc erosion
- Tight thickness tolerances
- Excellent stamping performance

Applications:

- Electrical contacts
- Relays and contactors
- Power distribution systems
- High-reliability connectors



SILVER BASED BRAZING ALLOYS

Reliable Joining for Critical Components. Brazing alloys are essential to ensure mechanical integrity and electrical continuity in high-performance assemblies. All alloys are available in the following formats: **Wire, Foils, Rods, Rings and Preforms.**

- Silver-based alloys (Ag-Cu-Zn, Ag-Cu-Zn-Sn) and CuPAg: specifically Ag155, Ag156, Ag140 and CuPAg15 (CuP284) alloys with thicknesses up to 0.05mm
- High silver content (40-70% Ag)

Key Benefits:

- Excellent wettability
- High electrical and thermal conductivity
- Reliable joints for demanding applications

Applications:

- Electrical contact assembly
- RF and high-frequency components
- Power modules
- Automotive sensors

