



Argentum
ALLOYS

Engineering
the future of
switchgear

www.argentumalloys.com

About us

An aerial photograph of a large industrial complex. The main building has a light-colored, corrugated metal roof with several skylights. There are several smaller buildings and structures around it, some with flat roofs. A parking lot with several cars is visible in the foreground. The background shows a residential area with houses and trees.

Argentum Alloys Private Limited is a dynamic and innovative company that specializes in the **manufacturing of silver and copper-based electrical contacts** for the Indian switchgear market.

We are a young family-owned company with a **specialized team** of around 30 engineers, chemists, and skilled workers committed to operating in an efficient and sustainable manner.

We follow Direct-on-line (DOL) and Just-in-Time (JIT) for our OEMs, and we maintain a **high standard of material quality and workmanship** through our fully equipped laboratory

Mission Statement:

Our mission is to be the leading manufacturer of electrical contacts and contact materials for the switchgear industry. Through continuous innovation, sustainable practices, and a dedicated team, we strive to exceed industry standards and create value for our stakeholders



Seamless Manufacturing

Contact material to assemblies

Experience the efficiency of our **comprehensive end-to-end manufacturing solutions**, where every step of the process, from crafting silver alloys to delivering finished contact assemblies, takes place under one roof in a 2500 Sq.Yards facility.



Products

Discover the versatility and reliability of our contacts manufacturing prowess, as we proudly offer a lineup of **Silver contacts** that cater to a wide array of needs and occasions.



Overlay Contacts

Silver alloy diffusion bonded with OF grade Copper or copper alloy



Rivet Contacts

Solid, Bimetal, Trimetal rivet shaped contacts



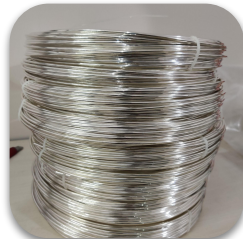
Silver metal oxide tips

AgCdO, AgSnO₂ contact tips with brazable silver backing on one side



Contact Assemblies

Silver contacts brazed/riveted to copper backing. Pre-assembled and ready to go



Silver alloy wire

AgCdO, AgSnO₂, AgNi, Ag, AgC, AgCuNi alloys in wire form



Silver graphite tips

Extremely good switching properties for MCBs

Our Capabilities

Wide array of processes at one facility



Melting & Casting

2x 20 KW resistance melting furnaces



Hot & Cold Rolling

4 x 2-Hi rolling mills



Metal Extrusion

600 tonne capacity horizontal and 400 tonne vertical extrusion presses



Diffusion Bonding

SPMs to permanently join dissimilar metals without any filler metals



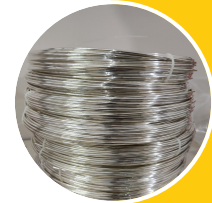
Silver Recovery

50 Kg silver per day recovery and refining plant



Dedicated Tool Room

In-house turning, vertical milling, welding, wire cut & heat treatment for quick tooling turnaround



Wire Drawing

40 feet wire draw bench & 2x bull block wire draw machines



Brazing

Solo mesh belt brazing furnace and torch brazing station

Quality Assurance

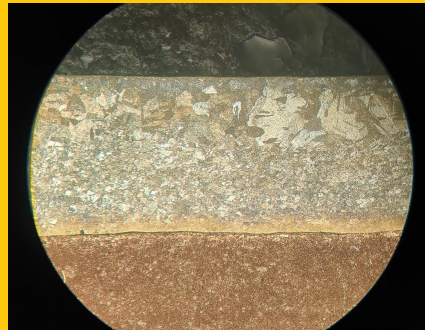
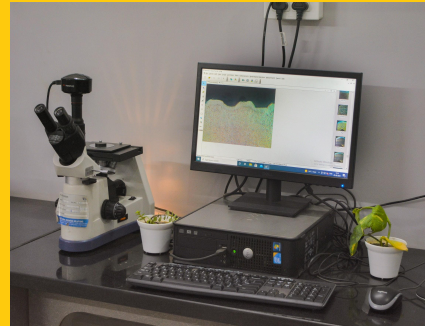
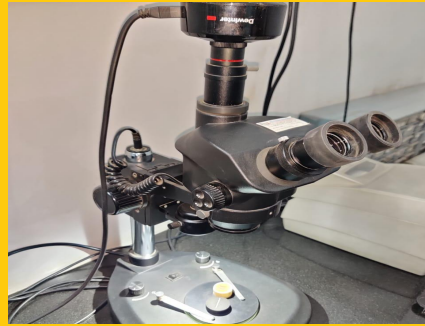
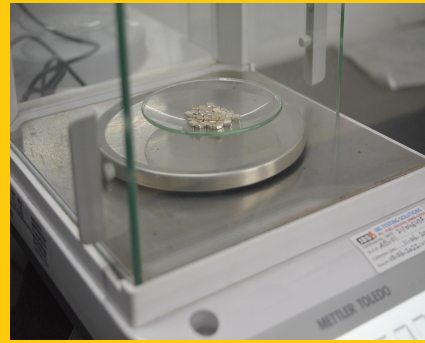
We take great pride in the quality and reliability of our products and are committed to providing exceptional customer service.

ISO 9001: 2015 certified organisation with most material testing done in house according to ASTM / ISO Standards



Material Testing Facilities

- Rockwell hardness tester
- Rockwell superficial hardness tester
- Chemical fume hood
- Vacuum pump
- Specimen mounting press
- micro ohm meter
- IACS Conductivity meter
- Metallurgical microscope
- Stereo zoom microscope
- universal testing machine
- specimen polishing machine
- Crucible heating oven
- Titration burette
- Micro Vickers hardness tester
- Analytical balance
- Low voltage endurance test bench



Our Customers



POLYCAB



HPL ELECTRIC & POWER LIMITED



VARDHMAN
GROUP



Amphenol®

Contact us

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Our commitment to lean operations and continuous improvement allows us to deliver cost-effective solutions while maintaining best in class quality standards. If you're looking for a partner you can trust, choose Shubhkarma Argentum Private Limited for all your electrical contact needs.