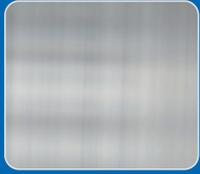


## SURFACES



### Tin Sn

Glossy, matt, and brushed finishes  
Selective as well as near-reflow coating possible



### Silver Ag

Matt and bright, passivated



### Nickel Ni

Selective coating possible



### Gold Au

Hard Gold AuCo 0.3

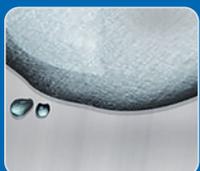


### Copper Cu

Matt and bright  
Selective coating possible



### BRENOVO



### Chemical treatment

Emulsification, degreasing, pickling

## INDUSTRIES

### Microelectronics

Silver-plated switch and connector wires for electronic components (capacitors) and sensors. Electrolytically tin-plated round or profiled wires for all areas of electronic engineering including highly automated soldering processes. Optionally with a nickel or copper barrier layer to reduce the risk of whisker formation.

### Medical technology

Silver-plated wires for medical probes (catheters) and apparatus which take advantage of the antiseptic properties of the silver layer.

### Cables and strands

Nickel-plated copper wires in line with ASTM-B355 and MIL standards for protection against continuous thermal stresses up to 400 °C. Nickel or tin-plated surfaces for protection against corrosive evaporation of plastics. Highly nickel-plated copper wires up to 35% (percentage of nickel by weight) for high-temperature and corrosion protection up to 750 °C.

### Lighting

Non-porous, nickel-plated and low-carbon iron, stainless steel or special alloy wires used in the for illuminant production.

### Springs and bending parts

Decorative, flexible nickel layers on slow carbon, bronze or steel wires. Silver-plated, hard-drawn bronze or steel wires for electric contact springs. Tarnish-proof contact, spring and connector wires with hard gold plating (AuCo 0.3). Can also be produced with a nickel barrier or a copper or silver interface layer for increased electrical conductivity. Spring-tempered bronze wires with a nickel barrier layer and pure tin for connections which are suitable for soldering in line with DIN EN 60068-2-20.

### Wire drawing

Special silver, nickel or copper-plated iron, stainless steel, bronze, brass, CCS, CCA, aluminium or copper redrawn wire for processing on a wire drawing block.

### Electrical components

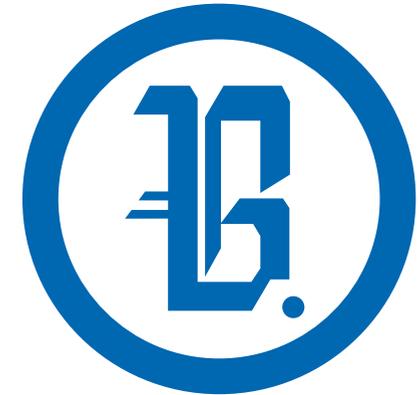
Technical, highly ductile nickel layers suitable for stamping, for manufacturing electrical components. Silver-plated narrow strips to increase electrical conductivity and improve spot welding suitability for stamp-cut components. Tin-plated strips suitable for soldering (also pre-stamp-cut), for stamping, bending and drawing of electrical and electronic components.

### Antennae

Silver-plated coaxial conductor centers for HF technology which take advantage of the skin effect.

### Automotive und eMobility

Strong flat and round wire as well as strip dimensions in bright or with tinned, nickel-plated or silver-plated surfaces (preferably with high layer thicknesses).



## CONTACT US



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### Leander Pott

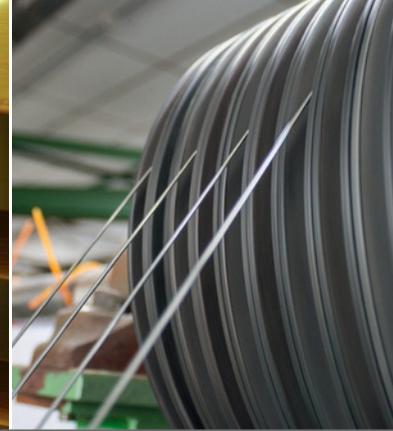
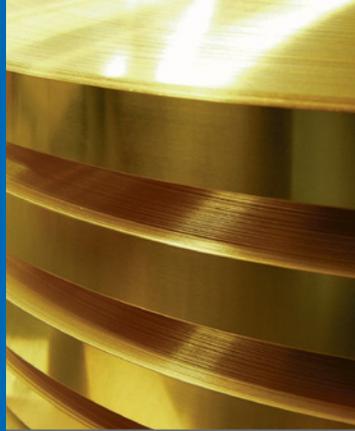
Technical Sales Strips  
and Tubes  
Phone: +49 2933 9022-61  
l.pott@brenscheidt.com

### OTTO BRENSCHIEDT GmbH & Co. KG

Specialists in electroplated  
wires and strips

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Phone: +49 2933 9022-0

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# BRENOVO®

## QUALITY

### Quality in wires and strips

Ever since master galvaniser Otto Brenscheidt founded our company in 1919, quality and customer satisfaction have been our most important guiding principles. We understand quality as strict compliance with your technological specifications and are officially certified according to ISO 9001.

### Surfaces in the fourth generation

The company has been family-owned since 1919.

### Made to your specifications

Make the most of our extensive experience in the field of wire and strip finishing. We treat your materials on a contract basis or supply the desired finished wire from our drawing mill exactly to your specifications.

### Environment and sustainability

For decades, we have been focusing on the conscious and sustainable use of our resources - certified according to ISO 14001.

Our facilities are preferably operated with self-generated solar energy. Through an efficient circuit system and our own heat coupling, we gain the maximum from our processes.

## INNOVATION

### Emulsion

Emulsions for degreasing, pickling and as drawing aids for subsequent mechanical machining processes. We will be pleased to inform you about our solutions.

### Multilayer coatings

All materials can also be manufactured in double or triple layers, e.g. Ni-Sn, Cu-Sn, Ni-Au, Ag-Au or Cu-Ni-Sn. The interface layer is normally used as a barrier layer against diffusion processes.

### Our newest product – BRENOVO

Ask for more information on our newest product line – BRENOVO. We'd be happy to advise you. We welcome inspiration for new interfaces based on your technical requirements.

### Electroplated aluminium and stainless steel

We also offer wire surfaces on aluminium and stainless steel.

### Near-Reflow procedure for tin plated strips

Produces accelerated intermetallic phases when reflow or hot-dip galvanized surfaces are no longer applicable due to excessive thermal dissipation.

