



BRAZING

ELECTROPLATING

SANDBLASTING

CABLES

BWB-AMPHO
Your surface treatment expert

BWB

SURFACE TECHNOLOGY



BWB-AMPHO

Founded in La Chaux-de-Fonds in 1975, BWB-Ampho fulfils your individual needs for assembling industrial components through brazing and soldering, electrolytic treatments, sandblasting and bead-blasting and the manufacturing of items incorporating stainless steel cables. Guaranteed 100% Swiss Made!

BWB-Ampho is a family-owned company that pursues a personnel retention strategy. It is thanks to the extensive experience of our personnel that we are able to guarantee constant quality, a high level of responsiveness and timely deliveries in all our activities.





SECTORS

WATCHMAKING

BWB-Ampho's field of expertise includes brazing and soldering components as well as treating surfaces for the watchmaking industry, regardless of the product positioning. Over the years, we have become a benchmark among watch decoration manufacturers.



JEWELLERY AND OPTICS

BWB-Ampho is a benchmark for the brazing of components and treatment of surfaces for jewellery. Recognised within the field of small component brazing, our company has proven its expertise in this high-precision sector. In our atelier Câble, for example, we create bracelets, rings and necklaces with stainless steel cables.



MECHANICAL

We operate in this sector thanks to the quality and precision of our work on mechanical items of varying sizes. Small parts are processed with the greatest care. Minimum removal and exact fitting accuracy are decisive in this field.



ARCHITECTURE

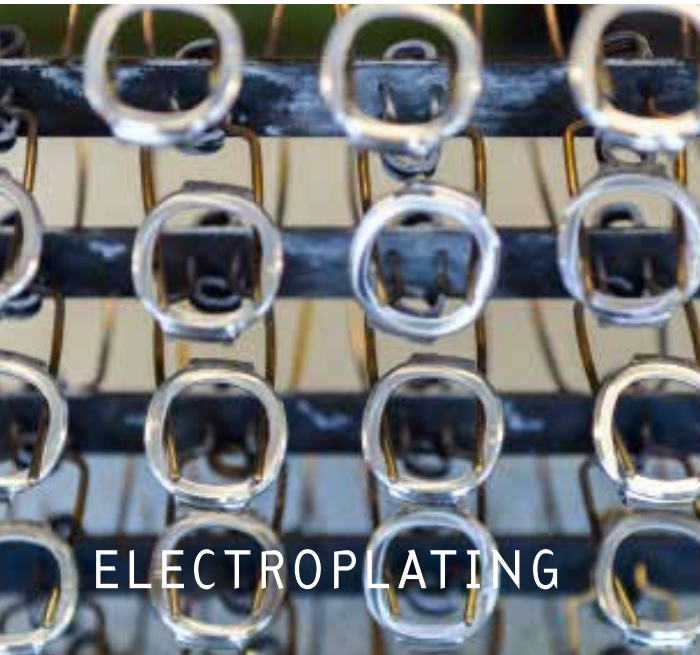
Edelstahlseile in der Architektur verbinden modernes Design mit Ästhetik und Beständigkeit. Unser Atelier Câbles realisiert vielfältige Projekte im Innen- und Aussenbereich.



MEDICAL AND DENTAL

Thanks to our knowledge of materials and our perfect mastery of manufacturing processes, our company has established a fine reputation with major companies in the medical and dental sectors.





ELECTROPLATING



SURFACE TREATMENT

We offer chemical and electrolytic treatments that are adapted to different materials depending on your specification. From decontamination and deoxidation, through electrolytic polishing, deburring or restoring shine to an item, to passivation, BWB-Ampho is able to provide you with a solution that is adapted to your needs in order to restore an item to its original condition.

OUR EXPERTISE

Electrolytic polishing offers a number of advantages:

- ▶ eliminates impurities and tensions
- ▶ adds shin
- ▶ improves the condition of the surface by reducing roughness
- ▶ improves corrosion resistance
- ▶ facilitates cleaning, decontamination and sterilisation

OUR SERVICES

- chemical pickling and deoxidation
- chemical decontamination
- chemical and electrolytic polishing
- chemical mechanical polishing
- passivation

MATERIALS

- alloy steel
- stainless steel
- copper and its alloys
- titanium and its alloy
- precious metals



BRAZING AND SOLDERING



HIGH-QUALITY ASSEMBLAGE

BWB-Ampho is an expert in brazing. Our strength lies in the design of suitable tools that enable us to meet the high requirements of our clients. We are always looking for new procedures and have perfected the brazing and soldering of homogeneous and heterogeneous materials.

OUR EXPERTISE

- ▶ brazing in a controlled atmosphere
- ▶ assemblage of complex components
- ▶ brazing of heterogeneous materials
- ▶ virtually invisible brazed seam

OUR SERVICES

- torch brazing
- furnace brazing
- TIG soldering
- micro-plasma soldering

MATERIALS

- stainless steel
- copper and its alloys
- titanium and its alloys
- gold
- silver
- platinum
- palladium



SANDBLASTING



DEBURRING, ROUGHNESS AND DECORATION

Sandblasting and bead-blasting are industrial techniques for preparing surfaces using an abrasive that is projected at high speed onto the material to be treated. Surface preparation using sandblasting or bead-blasting is used to accentuate roughness, for decorative purposes and for deburring. After being sandblasted, the items have a matt, greyish appearance. Projecting microbeads under controlled pressure enables us to restore shine to individual items.

OUR EXPERTISE

- ▶ pickling
- ▶ hardening of the material
- ▶ deburring
- ▶ creation of roughness to enable the bonding of a layer
- ▶ surface dulling and greying
- ▶ surface shining

OUR SERVICES

Sandblasting and bead-blasting: manual and in a barrel

- precious white corundum
- brown corundum
- glass beads
- silicon carbide

MATERIALS

- alloy steel
- stainless steel
- copper and its alloys
- titanium and its alloys
- precious metals
- thermoplastic polymers



CREATIVE ATELIER WITH ARTICLES MADE OF STAINLESS STEEL CABLES

In our atelier we have a passion for creating rings, necklaces and bracelets using cables made of stainless steel. We can create different designs and effects depending on the number of threads, how they are wound and the diameter of the cables. The woven stainless steel cables are assembled by hand before being soldered and shaped in our workshop.

OUR EXPERTISE

- ▶ creation of prototypes and the final product based on a sketch
- ▶ development of new personalised applications
Anwendungen und Kreationen

OUR SERVICES

- TIG soldering
- milling
- shaping
- thermal treatment

MATERIALS

- stainless steel



BWB-AMPHO

Your surface treatment expert

**A question? An idea? A piece of advice?
Do not hesitate to contact us.**

BWB-Ampho SA

Chemin de la Combeta 3
2300 La Chaux-de-Fonds

+41 32 924 50 70
ampho@bwb-group.com

Photos: Patrice Schreyer

www.bwb-ampho.ch



SURFACE TECHNOLOGY