



1 About Us

- Since 1932, family business with long term vision
- 3 manufacturing sites across Europe – 20 000m²
- Co-development of processes – technological innovation partnership
- Partnership from prototypes to commercial – with major OEM

2 Grand Impact

90% Medical and export

Minitubes directly contributed to manufacturing :

- Several millions coronary stents
- Tens of thousands aortic heart valves
- Several hundred of thousands diagnostic probes
- Bushing for hundreds of millions electric toothbrush heands



LIFE SCIENCES

Needles for in vitro diagnostics, surface finish control to solve contamination problems, heating, level detection, septum piercing



CATHETERS

Tubes for catheters and medical device delivery systems



CARDIOVASCULAR IMPLANTS

Vascular implants from laser-cut tubes, stents and heart valves require tubes of very high quality and performance



INDUSTRIAL TECHNOLOGIES

Tubes and parts for other medical applications, automotive, aerospace and defense, electronics, and watchmaking



3 High precision metal tubing & Extreme customization

TUBES

- Drawing of precision metal tubing
- Seamless or welded & re-drawn tubing
- Drawing in straight length and in coil
- Gun drilling
- Diameter between 0.1mm to 30mm, μ specifications

PARTS & TUBULAR COMPONENTS

- **Shaping : cutting** (shear, electro chemical, abrasive, screw-machining, wire EDM, laser), machining
- **Aging** (precipitation hardening)
- **Surface finish** : cleaning, etching passivation, polishing, coating, tumbling, grinding
- **Assembly** : welding, brazing, mechanical adjustments, crimping, gluing

ALLOYS AND MATERIALS

- **Cobalt Alloys** : L605®, MP35N®, 35N LT, Phynox®, Elgiloy®
- **Stainless steels** : 304, 304L, 305, 316, 316L, 316LVM, 316Ti, 321, 347, 904L, 17-7 PH
- **Nickel and its alloys** : Ni 200, Ni 201, Monel®, Inconel® 600, 601, 625, 718, x750, Ni-Cr 90/10, NiCr 80/20
- **Ferrous alloys** : Mumetal®, controlled expansion alloys (Invar®, N48, N52, FeNiCo)
- **Precious metals** : gold, platinum, platinum iridium, silver
- **Customer patented alloys**

