



Optimas three divisions specialise in offering you clean room produced medical tubing, metal components and medical equipment.

Our sales and development office is located in the University town of Uppsala, one of the leading medical & life science regions in northern Europe.

With over 25 years of experience from the market, we are ready to meet any of your medical component requirements. Optima's speciality is adapting to our customers requirements by using our knowledge to assist you through the development process, delivering custom manufactured components produced to exact specifications. You can of course always rely on our complete technical confidentiality.

Let us guide you from idea to finished device.

### Sales Team

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**OPTIMA**  
medical components

# Medical Component Specialists

## Brunk Industries

Brunk is the world leader in providing precision metal stamped components and assemblies to the medical device industry with a wide array of qualified components in surgical instruments and class-critical implantable devices.

Brunk has the capability to stamp components in all grades of Stainless Steel, Titanium, Tantalum, MP35N, Niobium, Kovar and Platinum-Iridium. We also provide custom surface finishes including Passivation, Electro-polishing, Teflon Coating, Metal Plating and Bead Blasting in addition to value added assembly operations.

Our innovative team will transform the manufacture of your smallest micro-precision components from common machining to high speed metal stampings to provide significant cost savings while delivering uncompromising quality and precision.

With over 60 years of experience our Brunk Team of experts will produce your most challenging and complex parts in meeting stringent medical requirements through our modern ISO13485:2012 and ISO9001:2008 certified manufacturing facility.



## Laserage

Laserage offers a complete range of custom laser processing services including:

- Medical devices
- Laser machining of stents
- Laser welding
- Laser cutting
- Laser drilling
- Laser machining of ceramics, substrates, composites, plastics, glass, rubber, metal and most other materials
- In-stock Nitinol Tube and Sheet

Prototyping and production services are supported with a fully equipped metallurgical laboratory, R&D engineering capabilities and a staff of technical experts.

Finishing operations available include nitinol shape setting, automated microblasting, pickling, tumbling and electroblasting.

Laserage is among the worlds largest custom laser shops using over 70 in-house designed custom CO<sub>2</sub> and Nd:YAG lasers. The company is registered to ISO 13485:2003 and ISO 9001:2008.



## Fluorplast OY

Fluorplast OY offers extrusion, injection moulding, assembly, sterilisation & CE-marking of Medical Disposables - all in-house! Tubing in PVC, Polyurethanes, PE and other plastics. Cleanroom production at levels ISO 6, 7 and 8.

- Multilumen tubing
- Laminated/multilayer tubing
- Profile tubing
- Striped tubing
- Injection molded parts



## Medicoil

Medicoil offers spring, coil, wire-form, and Swiss screw capabilities in medical-grade materials, with wire diameters down to 0.02 mm (shaped or round wire), for external and implantable device components. Products include micro-coils, springs, precision machined components, multifilar coils, pacing helices, and precision wire forms.

Services include assembly, laser welding, laser ablation, surface finishing and taper grinding, ISO Class 7 cleanroom, custom packaging, and finishing.

Products have application in pacemakers (leads and helices), defibrillators, catheters, guidewires, torque cables, heart valves, aneurysm treatment, atherectomy devices, etc.

The company provides superior technical support in prototyping and production for the unique development needs of the medical device market. ISO 13485 certified.



## Optima Tubing

With over 25 years of experience from the small bore tubing business Optima offers a wide range of tubing for medical applications.

Optima co-operates with several high quality tubing manufacturers worldwide. We offer tubing in Fluoroplastics, PA, PE, PVC, Polyurethane, Silicone, Polyimide and many other high-performance materials in a variety of combinations. Multilayer, multilumen, cut to length and radio-paque filled.

Optima has long experience from supplying various components for IV-catheter production. Tubing in fluoroplastics and polyurethane, silicone valve tubing, wedges/suspensins and stainless steel catheter needles.

Early involvement in the development stages together with our customers, assisting in choosing the best performance designs for the application is our key to your success.



## Optima Value Added Services

Optima has the capacity to supply semi finished tubing assemblies.

- Formed and tapered tubing,
- Assemblies with fittings and connectors,
- Identification marking by using heat shrink sleeves

This service can be offered in most tubing materials such as Fluoroplastics, Polyurethanes, Polyolifines, PVC and others.

Liquid molded silicone parts produced to customer specification.

