

# Medical Industry.

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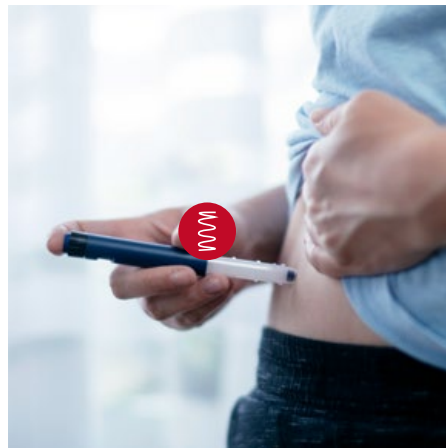
Technical springs, bent parts and stamped parts for medical technology. Certified production under highest cleanliness requirements.





## Injectors for drug administration

Autoinjectors, drug delivery devices, or pen injectors utilize compression springs, torsion springs, constant force springs, power springs, constant force springs as well as stamped parts and bent parts. The use of technical springs ensures exact dosing of the drug as well as a high level of safety for the user. We offer automated and clean manufacturing solutions for economical large-scale production.



## Syringes

Syringes for medical technology mainly use compression springs. Release and retraction mechanisms of safety syringes, or needle shields, are controlled by spring technology. Depending on the application and specification, we configure and calculate the optimum material grade and spring design. Essentially, stainless steel materials in different material grades and surface finishes are used.

## Blood collection and infusion technology

One of the newest and most common ways of venous blood collection and infusion is via winged cannulas (butterflies). To avoid unintentional transmission of infection caused by needle sticks, winged cannulas are increasingly being equipped with needle retraction systems, or needle shields. Intravenous applications require the highest standards of technical and organic or biological cleanliness.





## Diagnostic and laboratory equipment

Like the variety of our springs, stampings and bent parts, the applications in the field of diagnostic and laboratory equipment in medical technology are almost unlimited. Examples for the use of our springs would be applications in the field of radiology (MRT), lancing devices, and blood glucose meters. Our equipment in the field of medical technology is also ideally suited for medium and small production batches.

## Inhalers and pump sprays

Depending on the design, compression springs, bent parts and stamped parts are used for inhalers and pump sprays in the medical field. The requirements for technical cleanliness, organic cleanliness and biological cleanliness are particularly high here. We therefore manufacture these products under special cleanliness and hygiene conditions. We offer a complete cleanliness chain from the selection of suitable materials, manufacturing processes, packaging concepts to residual dirt analyses.



## Medical equipment

Technical springs, bent parts, stamped parts and gas springs are an integral part of medical technology. Examples of the use of our products would be compression springs for hospital beds, power springs for climbing aids, constant force springs for x-ray equipment balancing, stamped parts for patient transport trolleys, wire bending parts for prostheses, and many more.

## Medical hygiene products

Requirements in the field of hygiene are becoming increasingly important. We supply customers in medical technology, cosmetics and sterilization. Our technical springs play a major role in ensuring that the hygiene products are safe. In addition to the requirements for cleanliness, the precision and service life of our springs also play an important role. With our locations in Europe, Asia and the USA, we meet the highest standards of quality and delivery performance.





Lesjöfors manufactures and supplies the medical industry with technical springs, bent parts and stamped parts from wire or strip material for disposable medical products, medical equipment and hygiene-related products.

For this purpose, we have several production plants around the world with the expertise and equipment for your medical project.

Regardless of the quantity and application, we offer innovative solutions for manufacturing, cleanliness, packaging and automation.

We achieve our high quality standard in medical technology through state-of-the-art production facilities and production technology, a large vertical range of products, use of the latest laboratory technology and certified standards.



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Springs & Pressings