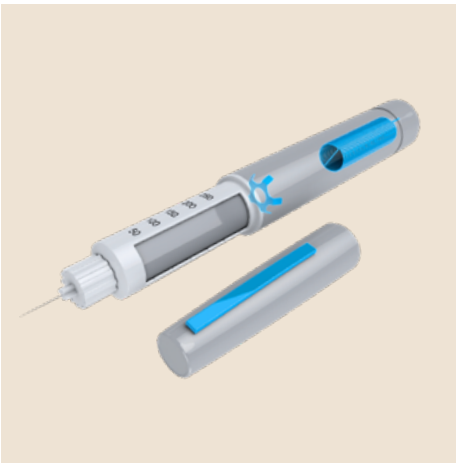


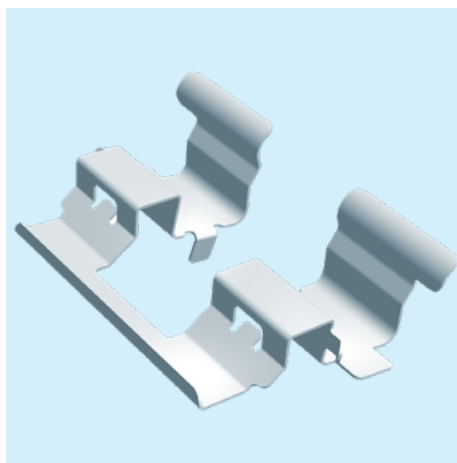
SPRINGS AND STAMPINGS FOR MEDICAL DEVICES

“Does your medical device project need a technical spring or stamping solution? As your global partner, our specialized medical team supports your project with professional service.”

Sandro Krebs,
Global Sales Director



Please contact us:
medical@baumann-group.com



MEDICAL COMPETENCE



"BAUMANN MEDICAL is a separately managed division within the BAUMANN Group. I am proud of my global team, and our partners appreciate our expertise and can-do attitude."

Hansjürg Hartmann,
CEO Division Medical

We are a reliable, experienced partner for **customized solutions** in medical devices. As an independent division within BAUMANN Group our medical approach is a cornerstone of our corporate vision and long-term strategy. Our dedicated, **ISO13485** certified medical sites address the customer needs in the medical and pharmaceutical industries. BAUMANN MEDICAL has the know-how, the capabilities, and the processes to fulfill the sector specific requirements and is therefore recognized as an expert in this field.

A specialized **medical team** of professionals based in the USA, Europe, and Asia, works closely with customer teams to support the development of the best component for a device, as well as to provide the most valuable solution for a specific customer project. Thus our partners benefit from our expertise as a long-standing **world-leading springs and stampings manufacturer**. BAUMANN MEDICAL has the same high standard in business ethics, mindset, and level of aspiration at all sites.

GLOBAL FOOTPRINT

With dedicated production sites in the **USA**, **Switzerland**, the **Czech Republic**, **Singapore** and **China**, we offer a global footprint with consistent processes, machinery, and services. Thus we are able to serve you around the globe – whenever and wherever you need it!

BAUMANN USA
Dedicated medical production site for springs opened in 2015

BAUMANN Switzerland
Lead plant and technology hub for Division Medical. Production site for spring projects and ramp-up of tailor-made processes

BAUMANN Czech Republic
Production site for wire coil springs used in airway products

BAUMANN Singapore
Medical stamping production

BAUMANN China
Production site for medical springs

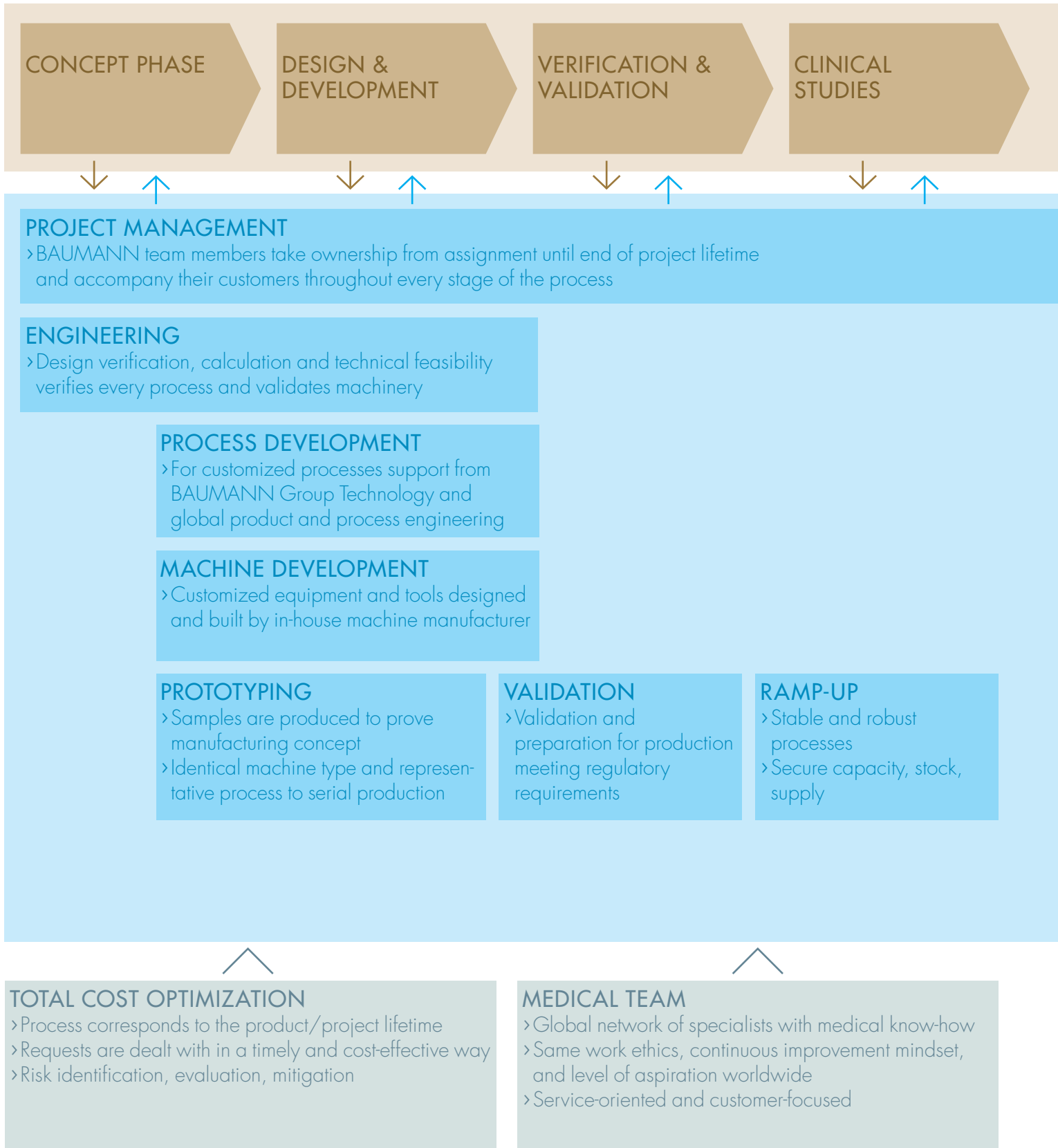
“In Group Technology we combine unique spring and stamping competence, excellent development capabilities and proven expertise in mechanical engineering to design and optimize manufacturing processes. The global transfer of knowledge and technology ensures high quality standards for our worldwide operating customers.”

Rolf Meier,
Head of Group Technology



DEVELOPMENT PARTNER

A team of experts with a medical mindset and an **understanding of customer needs** and their products is the focal point of contact in any project. Thanks to early involvement and **close collaboration**, we ensure an effective process from development through assembly into high volume series.



SERIAL PRODUCTION

Advanced quality planning, in-process control, and validation ensure **robust processes and scalability** during serial production to exceed customers expectations. BAUMANN MEDICAL guides customers through timely and cost-effective choices of packaging, storage, and **supply chain security**.

MARKET INTRODUCTION

PRODUCTION & ASSEMBLY



PROJECT MANAGEMENT

- > Single commercial and technical point of contact with overall project accountability
- > Technical support: handling of change requests, redesigns, continuous improvement projects

PROCESS AND MACHINE OPTIMIZATION

- > Process and machine optimization
- > Increase efficiency, reduce waste, optimize supply chain
- > Specific continuous improvement projects/initiatives

MANUFACTURING

- > Escalation of production and global expansion
- > GMP/GDP compliance
- > In-process quality assurance (IPC/SPC)
- > On-time delivery

CUSTOMER SERVICE

- > Close collaboration and efficient communication
- > Align order, production planning and logistics with customer



QUALITY MANAGEMENT

- > ISO 13485:2016
- > Risk analysis
- > CAPA process / IMS Integrated Quality Management System
- > Continuous improvement process
- > IPC/SPC

MARKET FOCUS



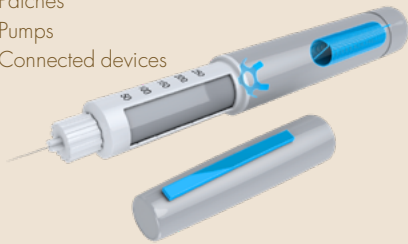
“Our ambition is to be the global market leader for springs and stampings in selected medical business fields. Our expertise allows us to exceed expectations when providing support and know-how to OEMs, contract manufacturers, and design offices.”

Wallace Shi,
Key Account Manager Asia

TARGETED MEDICAL APPLICATIONS

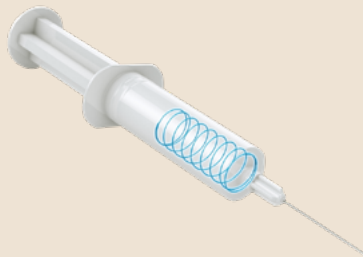
DRUG DELIVERY DEVICES

- Auto-injectors
- Pens
- Inhalers
- Needle-free injections
- Patches
- Pumps
- Connected devices



SAFETY SYRINGES

- Needle retraction systems
- Needle protection systems



BLOOD COLLECTION

- Safety mechanism



DIAGNOSTICS

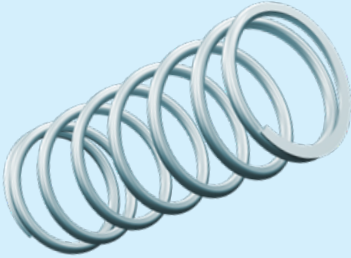
- Blood glucose meters
- Combined devices
- Lancets



CORE PRODUCTS

COMPRESSION SPRINGS

0.10–1.60 mm / 0.004–0.063 in
(wire diameter)



DOUBLE COMPRESSION SPRINGS

0.10–0.80 mm / 0.004–0.032 in
(wire diameter)



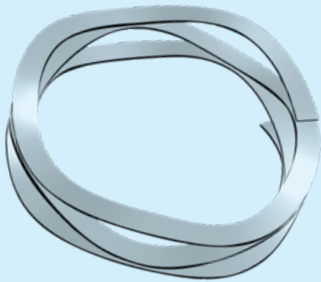
TORSION SPRINGS

0.10–1.60 mm / 0.004–0.063 in
(wire diameter)



WAVE SPRINGS

Starting at 0.12 × 0.40 mm / 0.005 × 0.016 in
(material size)



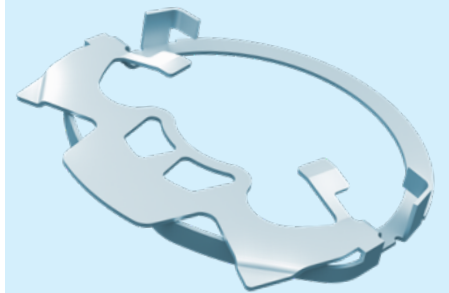
EXTENSION SPRINGS

0.10–1.60 mm / 0.004–0.063 in
(wire diameter)



STAMPINGS AND PRESSINGS

Max. 1500 kN



... AND MORE

MATERIALS

- › Stainless steel
- › Carbon steel with corrosion-resistant coating
- › Extra high tensile carbon steel
- › Texture rolled carbon steel

SERVICES

- › Cleaning
- › Packaging solutions (i.e. tray, bulk, foil, tape & reel, hygienic area)
- › Sample taking per customer need
- › Fully automated manufacturing lines

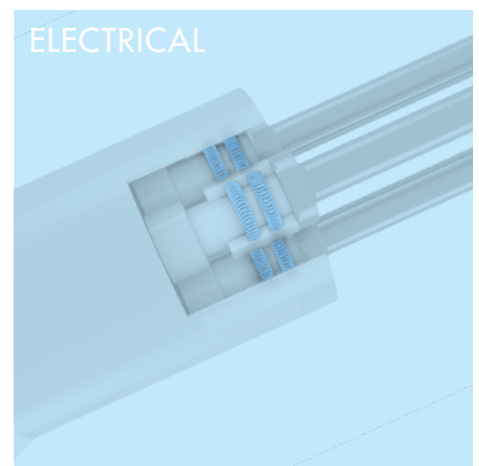
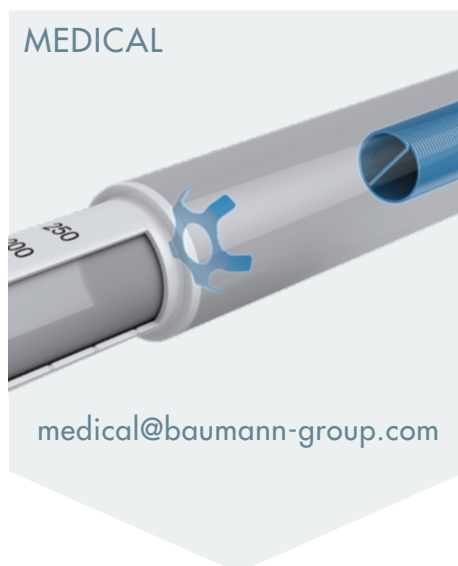
BAUMANN GROUP

BAUMANN – BEYOND SPRINGS, BEYOND WORK

Springs, stampings and bent components are our specialty – the **success of your project** is our goal. We have specific know-how in certain applications which makes us a recognized expert and technical consultant in our fields. But you can expect more from us. It's the way we work with you that makes us a valuable member of your project team. With **more than 130 years** of experience and our **1400 employees in eleven locations** around the world, we are eager to support you wherever you are.

www.baumann-group.com

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