

Where tech meets Medical

Springs, stamping & bending parts,
and assemblies for your
autoinjectors and pen injectors



Your partner for springs, stamping & bending parts, and assemblies in the medical device industry.

At RPK Medical, we stand out as your long-term partner, experts in crafting tailor-made solutions in the medical device sector. Our commitment goes beyond providing solutions – we aim to transform lives for the better. We prioritize listening to you, understanding your unique needs, and tailoring solutions that go beyond springs, stamping & bending or assemblies with precisión and reliability.

Why RPK Medical?

Quality

Expertise and experience

RPK Group brings over 50 years of expertise and leadership in designing solutions in various critical sectors.

Precision and Reliability

With a commitment to precision and reliability, we deliver solutions that work when it matters most.

Global reach, local service

Wherever you are, our factories in Europe, North America, and Asia ensure that we are always nearby to support you throughout the process.

Innovation

We're like you, inherently avant-garde. Innovation is in our DNA as a pathway to enhance people's lives.

Commitment

Our priority is to establish a strong, long-lasting relationship with you. Our main clients have been with us for more than 45 years.

Cleaning and packaging

We ensure the highest standards of cleanliness in our medical clean rooms worldwide. Our meticulous assembly, cleaning, and packaging guarantee flawless solutions.

Worldwide operations



RPK HQs
RPK Tech Center



RPK Mexico



RPK China



RPK Tarragona



RPK India

RPK VITORIA

Established in 1974 in Vitoria-Gasteiz (Spain)

The plant is strategically located in the Basque Country. Well connected to the most important industrial areas in Europe.

LOCATION: Vitoria-Gasteiz, Basque Country (Spain). RPK Vitoria has a built Surface of 17.000 m2.



RPK MEXICO

RPK Mexico S.A. de CV was established in 2001 to offer our services to multinational clients in the NAFTA area

LOCATION: Celaya, Guanajuato. RPK Mexico has a 6.500 m2 production plant with a free reserved expansion area of 8.000 m2



RPK TARRAGONA

Founded in 1963 and acquired by rpk S. Coop. in 2006 to expand its portfolio.

In 2010 a new company, Bardaji, was bought and integrated into RPK Tarragona to increase the catalogue with stamp+bend strip forming.

LOCATION: Tarragona, Catalonia, Spain. 100 km from Barcelona.



RPK INDIA

RPK India was established in 2009 to offer our services to multinational clients in the Asia area.

LOCATION: Pune, Maharashtra, India. RPK India has a 3.000 m2 production plant with a free reserved expansion area of 18.000 m2.



RPK CHINA

RPK China was founded in 2018 to offer our services to customers located in China.

LOCATION: Kunshan New & Hi-Tech Industrial Development Zone (KSND). National Highway with its convenient traffic conditions it takes only 45 minutes to Shanghai Hongqiao Airport. RPK China has a 2.000 m2 production plant.



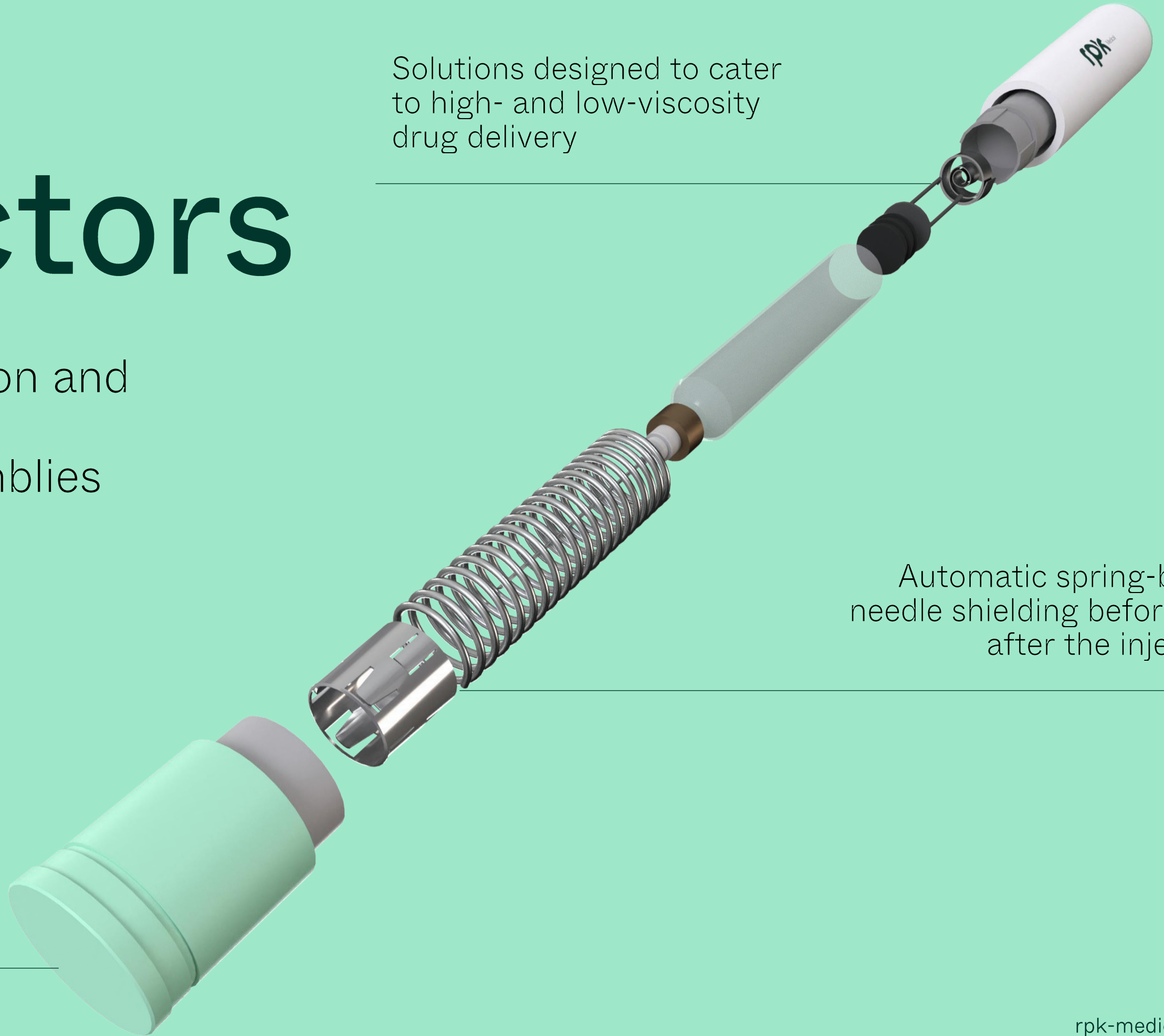
Autoinjectors

Enhancing autoinjector precision and reliability in tailor-made spring, stamping & bending and assemblies for better lives.

Springs, complex assemblies and power packs to ensure maximum precision and comfort when injecting the medicine

Solutions designed to cater to high- and low-viscosity drug delivery

Automatic spring-based needle shielding before and after the injection





Precise administration

Autoinjectors are precise drug delivery devices that accurately administer medication subcutaneous or intramuscular medication. They come in the form of portable disposable pens and are commonly used to treat allergies or glucose imbalances.



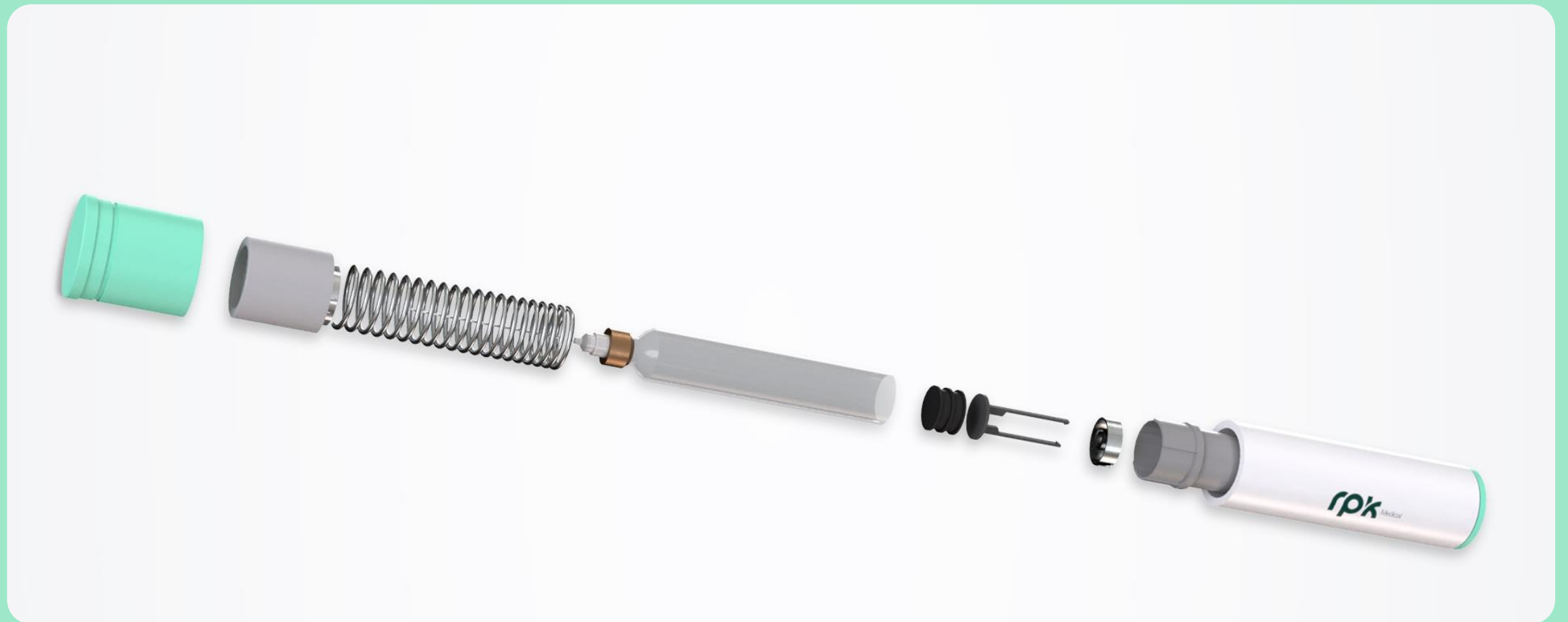


Created for everyday use

These devices are essential for everyday use, and it is crucial that they function reliably in any situation. Autoinjectors assist patients in overcoming hesitation when self-injecting, or in case of an emergency, making it easier to administer the medication.

Springs and metal parts for every need

We manufacture precision components for 2- or 3-step auto-injectors that provide clear, audible, visual, and tactile feedback. The needle retracts after injection with the help of a spring, and the metal parts of the device are designed to cater to high- and low-viscosity drug delivery. The latest generations of injectors feature smart caps that require connectivity and precise contact, which can be facilitated by contact springs.



Pen injectors

Tailor-made solutions in springs, stamping & bending and assemblies for enhanced pen injector performance and patient safety.

Ensure maximum accuracy in every dose with our springs and metal parts

Solutions designed to cater to high- and low-viscosity drug delivery

Springs, complex assemblies and power packs to ensure maximum precision and comfort when injecting the medicine



Crafted for enhanced precision and prolonged use

Pen injectors require patients to manually attach a pen needle, unlike autoinjectors that come with a needle attached. This handheld device enables patients to administer medication with precise dosage control and high safety using a variety of springs and metal parts. Pen injectors contain more than one dose that is adjusted by a spring mechanism designed to cater to high- and low-viscosity drug delivery.



Products

Tailored springs, stamping & bending and assemblies for your medical devices



COMPRESSION SPRINGS

Wire diameter:
From 0.10 mm (0.004 in)



WAVE SPRINGS

Wire diameter:
From 0.10 x 0.4 mm (0.004 x 0.016 in)



TENSION SPRINGS

Wire diameter:
From 0.10 mm (0.004 in)



CONSTANT FORCE & POWER SPRINGS

Strip thickness:
0.05 x 1 mm (0.002 x 0.04 in)
Strip width:
1.5-100 mm (0.06-3.9 in)



POWER PACKS & ASSEMBLIES

Usually made of compression, constant force, or power spring + stamping & bending parts and other plastic components



CONTACT SPRINGS

Wire diameter:
From 0.10 mm (0.004 in)
Coatings:
Silver, gold, copper and nickel



TORSION SPRINGS

Wire diameter:
From 0.10 mm (0.004 in)



STAMPING & BENDING

Strip thickness:
0.10-2.5 mm (0.004-0.1 in)
Strip width:
1-140 mm (0,04-5,5 in)

Your application is also ours

Main applications



Autoinjectors



Pen injectors



**Wearables &
OBDSs**

Your application is also ours

Main applications



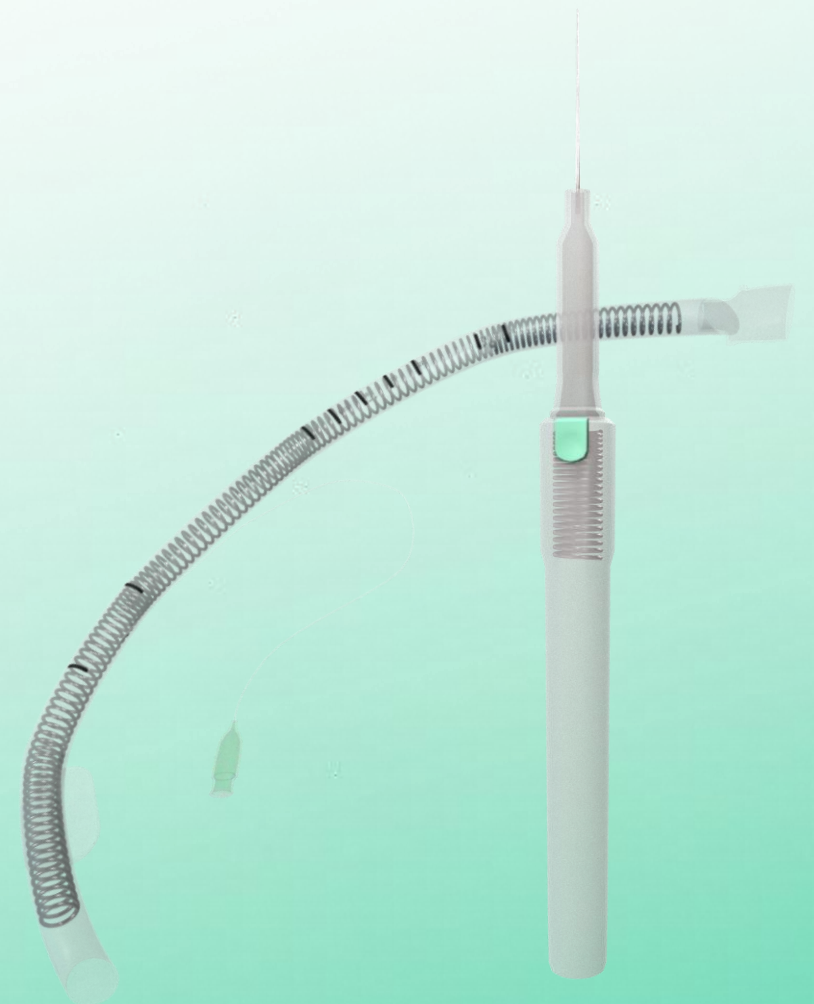
Inhalers



Staplers &
surgical devices



Syringes



Airway products
& blood collectors

Need. Develop. Do. Care

Medical device engineering and processes
that make the life easier

RPK Technological Center

At RPK Medical we have our RPK Technological Center, avant-garde and unique in the sector, with an in-house team specializing in projects with highly complex technology

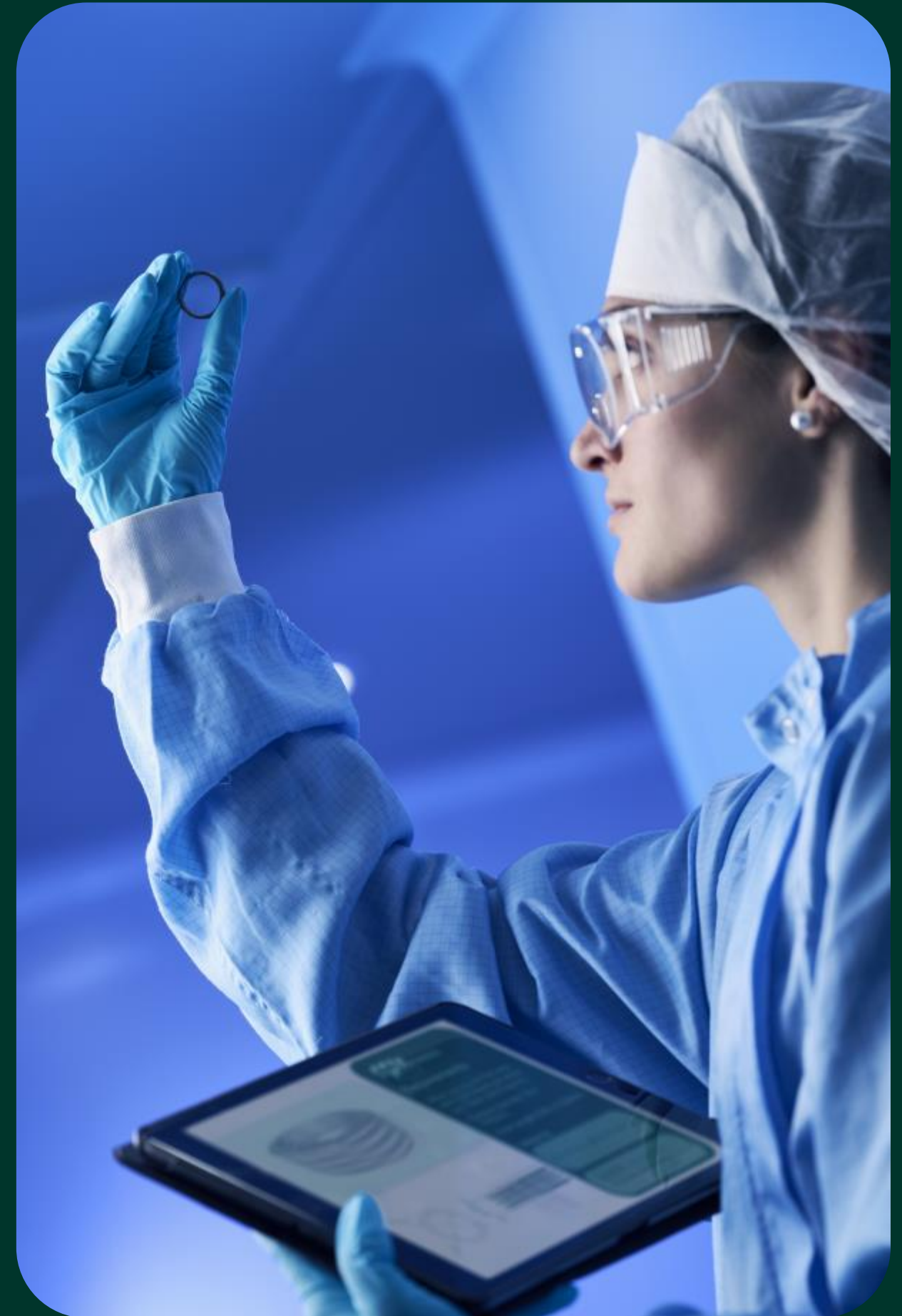
Our engineers are committed to supporting you in:

Product design:

- Engineering
- Product design
- Expertise in special materials, such as Nitinol

Product & process development:

- Advanced process and quality planning (APQP)
- FEM/FEA analysis
- Prototyping
- In-house machine and tooling development
- Special packaging designs
- Full process design



Our engineers are committed to supporting you in:

Product industrialization:

- Full manufacturing (Europe, America and Asia)
- Ramp-up
- Technical and biological cleanliness in clean rooms (Environment and ultrasonic cleaning)
- ISO 7 clean rooms in Europe, America and Asia, and ad hoc for your projects
- Custom packaging solutions in clean room such as Tape & Reel, VCI...
- Passivation
- 100% unitary control: machine-integrated vision and control technology
- Assemblies and overmolding. Automatic assembly lines in clean rooms
- Special coatings and surface treatments
- Welding
- Deburring
- Grinding
- Shoot peening
- Heat treatments
- Product testing at our labs: environment, fatigue, relaxation, cleanliness, residual, dynamic tests, etc.

Part of the RPK GROUP

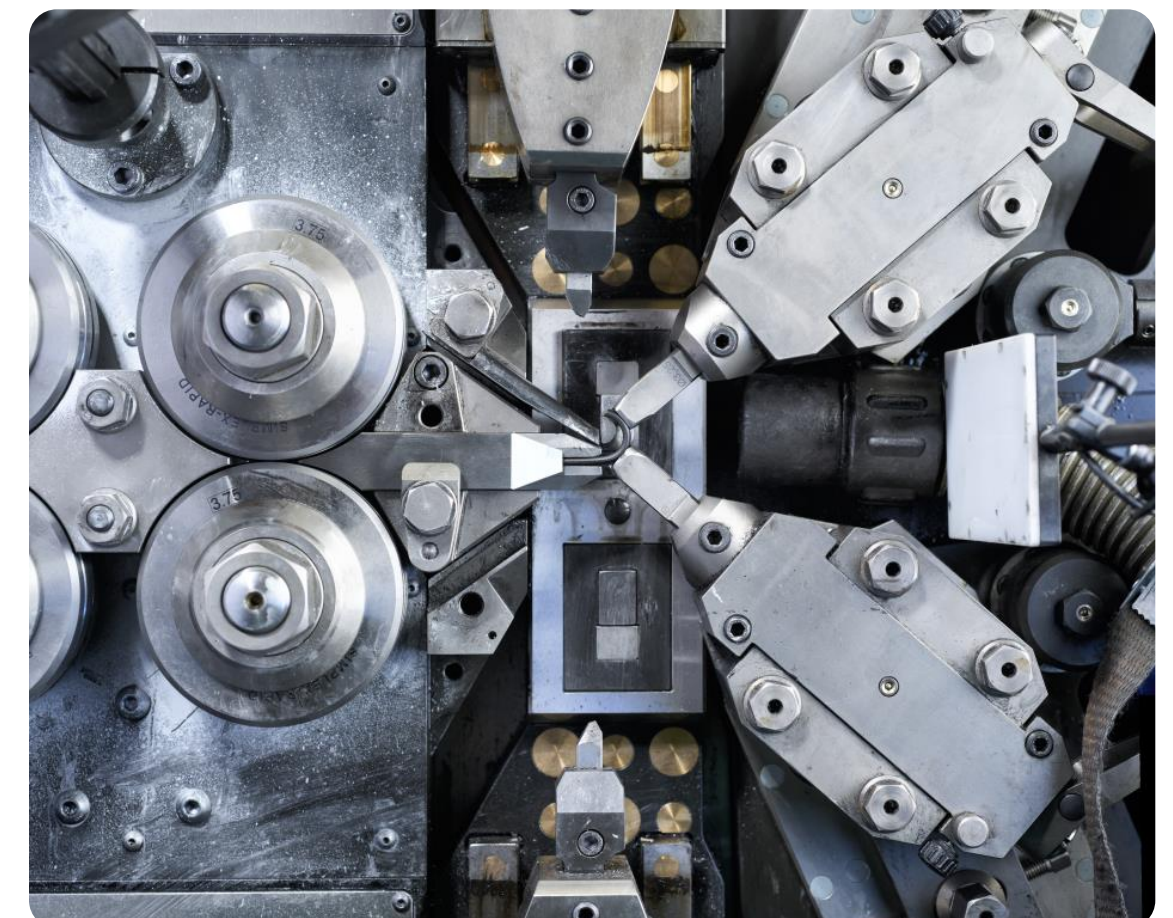
RPK Medical is a division of the RPK Group, global company that has been a leader for 50 years in various sectors that are crucial to people's lives. Our mission is centered around people who envision, design, develop, and provide unique, technologically advanced solutions to improve society, both now and in the future.

6 locations on 3 continents

More than 750 employees

33% sales increase in the last 7 years

10% investments vs. total sales



*We care
for those who
care for people*



rpK-medical.com