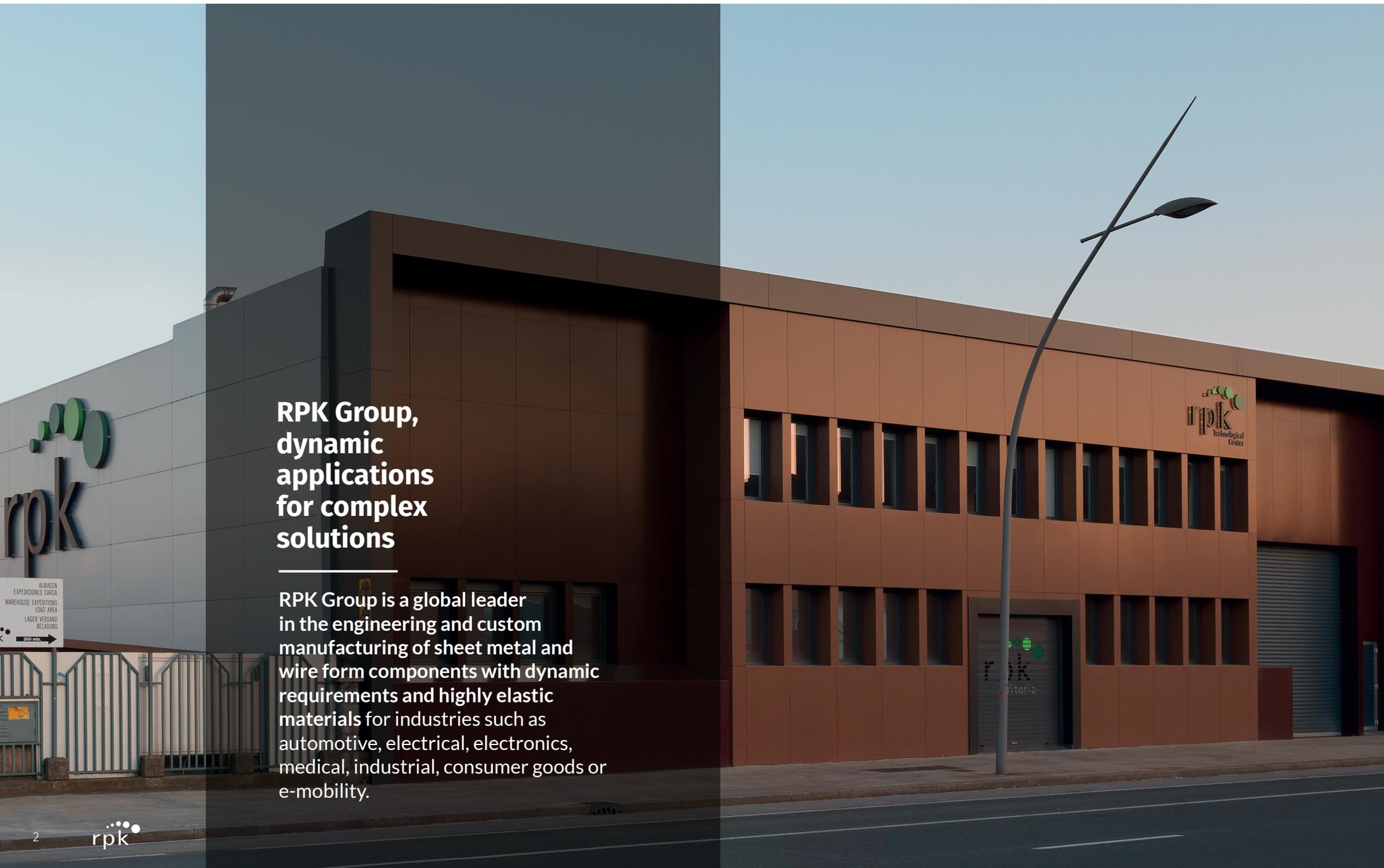




rpk

SPRINGS AND  
STAMPING  
FOR COMPLEX  
SOLUTIONS



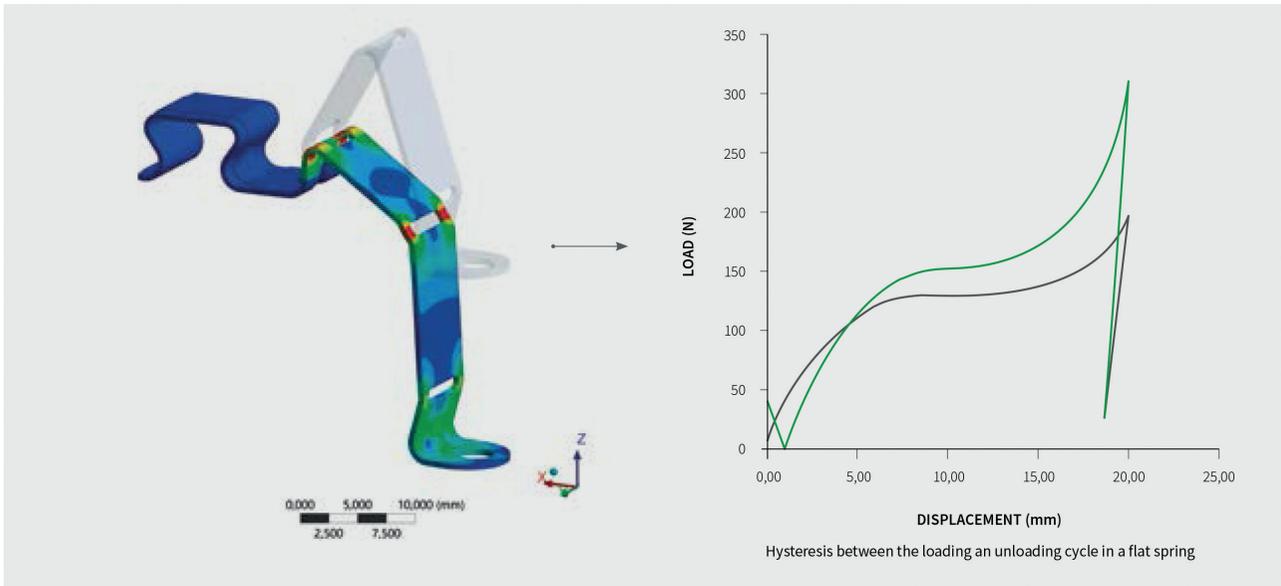
## RPK Group, dynamic applications for complex solutions

RPK Group is a global leader in the engineering and custom manufacturing of sheet metal and wire form components with dynamic requirements and highly elastic materials for industries such as automotive, electrical, electronics, medical, industrial, consumer goods or e-mobility.

ALMACEN  
EXPEDICIONES CARGA  
WAREHOUSE EXPEDITONS  
LOAD AREA  
LAGER VERSAND  
BELADUNG  
200 mts. →

# WHAT DO WE DO?

Our expertise in the manufacture of springs gives us an advantage in **stamping and bending solutions with dynamic requirements**. We work together with **customer engineers to develop new products** that satisfy the most demanding requirements in the industry.



# SHEET METAL STAMPING AND BENDING

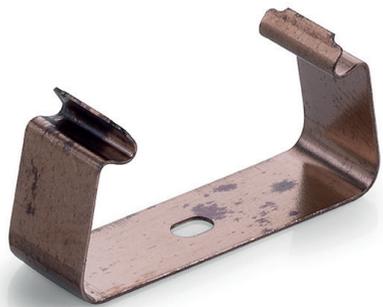


We are specialized in **highly complex parts, with dynamic components**, fully **customized on** both medium and long batches, using multislid machines (Bihler) with tools **designed and developed 100% by RPK engineers for each client and product.**

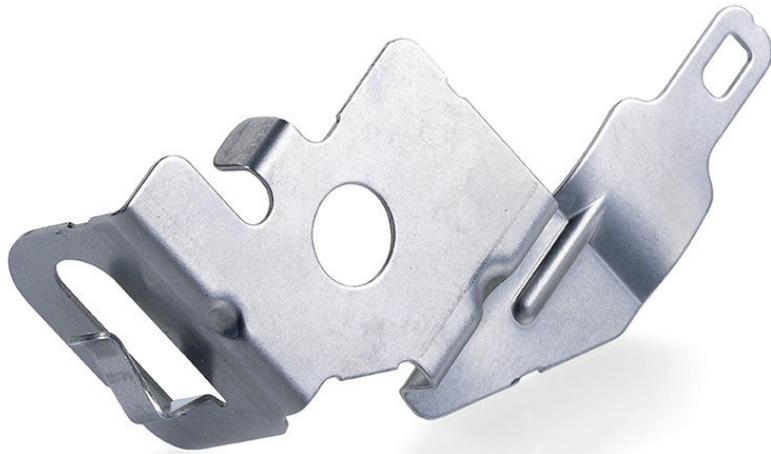
#### Applications:

- Brakes system
- Powertrain
- Steering
- Electric contacts





# PRECISION STAMPING



Stamping is another of our expertise. We design and produce **unique high-precision parts using high-speed presses** with unique tooling designed for each part number.

#### Applications:

- Brakes system
- Powertrain
- Steering
- Electric contacts





# HOW WE DO?

## Engineering, design, planning and product development

Our engineers work together with our customers in order to provide the best solution for them by applying scientific method and knowledge accumulated for almost 50 years.

- Engineering
- Product design
- Prototyping
- Tooling development
- Research of processes and materials
- Design and development of special machinery
- Cost optimization

We use Finite Element Method (FEM) calculation that improves the modeling process when we work with complex geometrical and irregular shapes and allows us to save time and money.



## Materials

The choice of the right material, surface treatment and coating have great importance in the final quality of the product. From standard materials like steel and copper to high hardness stainless steels and pre-tempered materials that prevents secondary processes and provides greater control of the production process and security.

## Machine development

In RPK Group, we use state of art technologies for all our manufacturing processes, from multislide Bihler machines up to high-speed presses, but also for our R&D + I projects, testing, control and quality inspection (with machine-integrated vision control technology for quality control) as well as deburring, cleaning, oiling or packaging solutions.

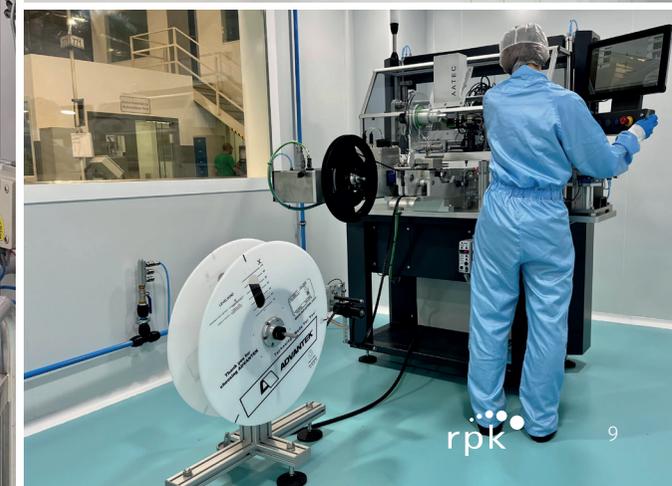
We also have in-house machine and tooling workshop that provides us with flexible solutions for our customers' needs.

- Strip thickness: 0.10 - 2.50 mm.
- Strip width: 1 - 140 mm.
- Stamping presswork: 100 tonne max.
- Multislide presswork: 80 tonne max.



## Key processes

- Deburring
- Ultrasonic cleaning
- Cooling & Oiling
- Shot peening
- Heat treatments
- Special coatings
- Overmolding
- Custom packaging solutions
- Surface and in-depth residual stress profile by x-ray diffraction
- Microhardness test
- Resistance to humidity by climatic chamber
- Microstructural characterization
- Machine-integrated vision control technology (100% unitary control)
- **Product testing control:** environment test (from -40°C to 180°C), fatigue test, relaxation test, cleanliness test and dynamic test



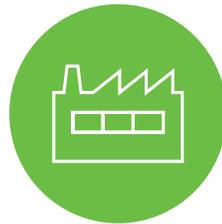
# INDUSTRIES



AUTOMOTIVE



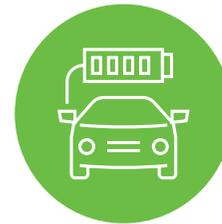
MEDICAL



INDUSTRIAL



ELECTRICAL



E-MOBILITY



ELECTRONICS



CONSUMER  
GOODS



# WORLDWIDE OPERATIONS

RPK Group is certified according to the following standards of quality:





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