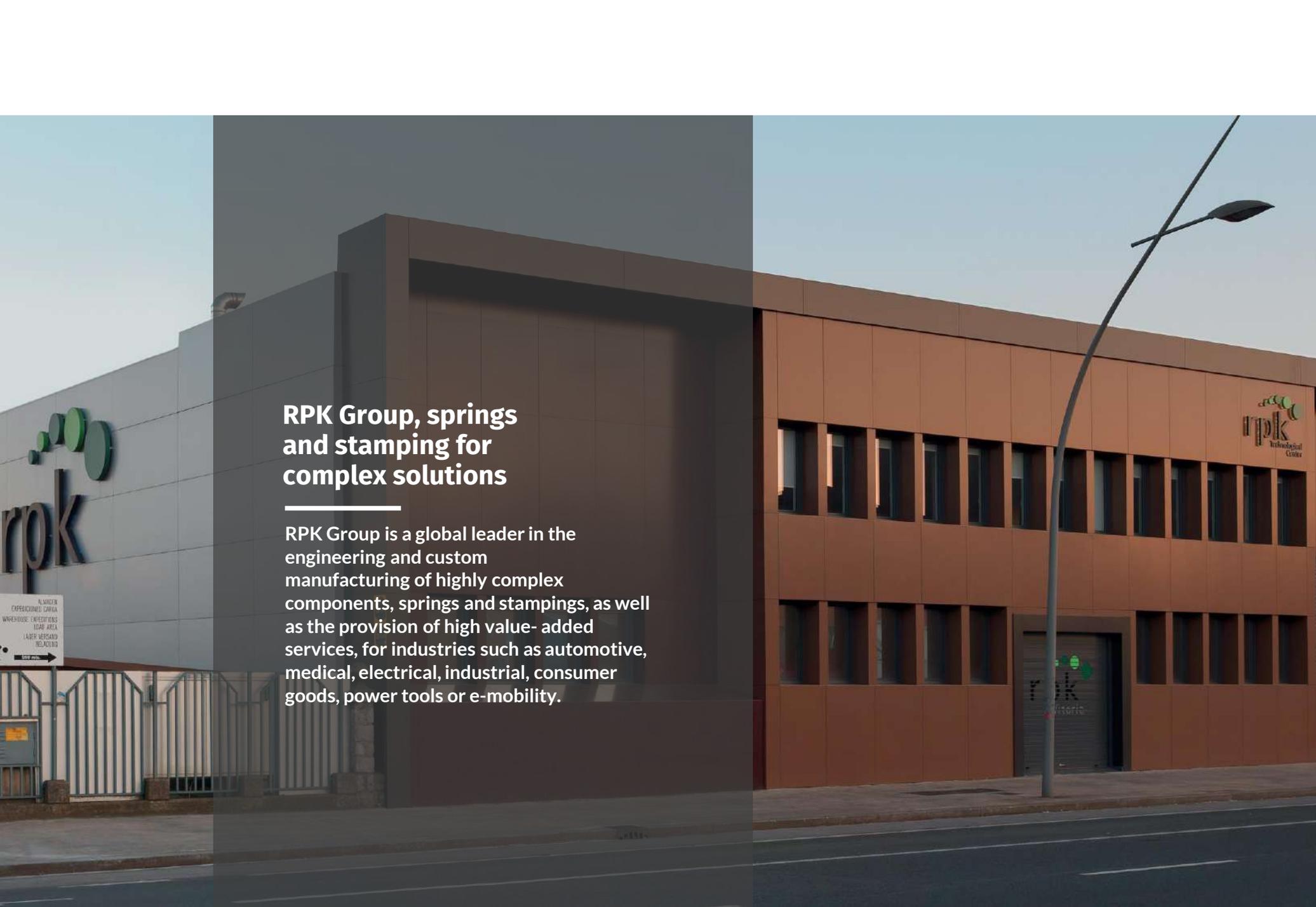




FOREFRONT SOLUTIONS FOR  
INNOVATIVE APPLICATIONS

A photograph of a modern, multi-story industrial building with a facade of large, rectangular panels in shades of grey and brown. The building features a series of windows on the upper floors. A street lamp is visible in the foreground on the right. The RPK logo is visible on the building's facade. A semi-transparent dark grey box is overlaid on the left side of the image, containing text.

## RPK Group, springs and stamping for complex solutions

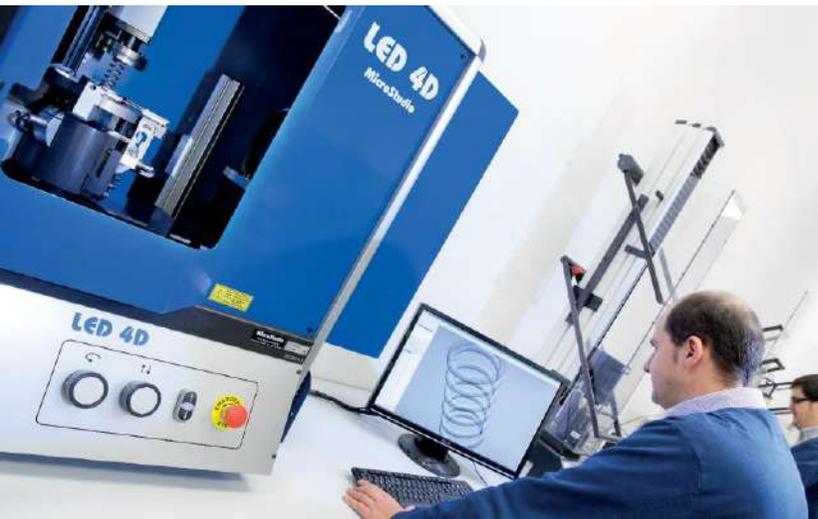
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RPK Group is a global leader in the engineering and custom manufacturing of highly complex components, springs and stampings, as well as the provision of high value-added services, for industries such as automotive, medical, electrical, industrial, consumer goods, power tools or e-mobility.

# WHAT DO WE DO?

Our expertise and know-how in mechanical engineering and in the manufacture of complex springs and stampings for the most demanding industries ensures excellence for a sector, the automotive, which requires to accomplish the highest standards in industry.

As a very well-known industry partner, we work together with customer engineers to develop new products that satisfy the most demanding requirements in the industry.





# COMPRESSION SPRINGS

**Wire diameter:** 0.10-5 mm (0.004-0.2 in) Round and rectangular wire



# WAVE SPRINGS

Starting at 0.10x0.4 mm (0.004x0.016 in)





# TORSION SPRINGS

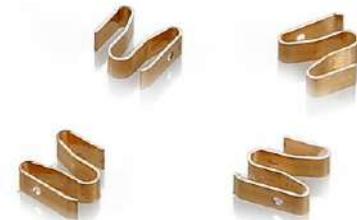
**Wire diameter:** 0.10- 4 mm (0.004 - 0.16 in) Round and rectangular wire



# CONTACT SPRINGS

**Wire diameter:** 0.10-2 mm (0.004-0.08 in)

**Coatings:** silver, gold, copper and *nickel* Compression, Canted Coil Springs and Strip Parts





# TENSION SPRINGS

**Wire diameter:** 0.10 - 3 mm (0.004 - 0.12 in) Round and rectangular wire



# CONSTANT FORCE & POWER SPRINGS

**Strip thickness:** 0.05 - 1 mm (0.002 - 0.04 in)

**Strip width:** 1,5 - 100 mm (0,06 - 3,9 in)





# SPIRAL SPRINGS

Strip thickness: 0.05 - 12 mm (0.002 - 0.4 in)  
Strip width: 2 - 120 mm (0.08 - 4.7 in)



# ARC SPRINGS

Manufactured with in-house developed technologies



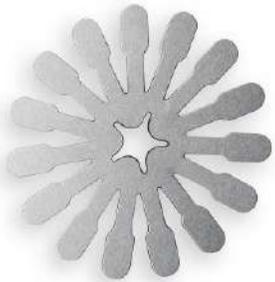


# FLAT

## SPRINGS, STAMPING, BENDING AND WIRE FORMS

**Strip thickness:** 0.10 - 2 mm (0.004 - 0.08 in)

**Strip width:** 1 - 4 mm (0.04 - 0.16 in)





# RINGS

## SEALS AND RETAINERS

Strip thickness: 0.20 - 6 mm (0.008 - 0.24 in)



# BUS BARS

Different technologies to produce this type of connectors: forming, stamping and laser cutting



# INDUSTRIES



AUTOMOTIVE



MEDICAL



INDUSTRIAL



ELECTRIC



E-MOBILITY



POWER TOOLS



INDUSTRY  
ENGINEERING



CONSUMER  
GOODS

# HOW WE DO?

## Engineering, design, planning and product development

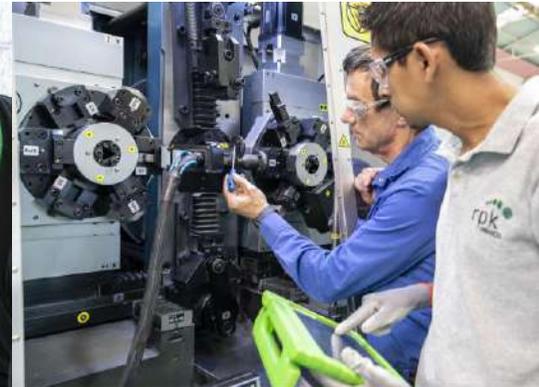
Our engineers work together with our customers in order to provide the best solution for them by applying scientific method and knowledge accumulated for almost 50 years.

- Engineering
- Product design
- FEM/FEA Analysis with ANSYS
- Prototyping
- Tooling development
- Research of processes and materials
- Design and development of special machinery
- Cost optimization

## Machine development

In RPK Group, we use **state-of-the-art technologies** for all our manufacturing processes, from CNC machines to 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 have **in-house machine and tooling workshop** that provides us with flexible solutions for our customers' needs.





## Materials

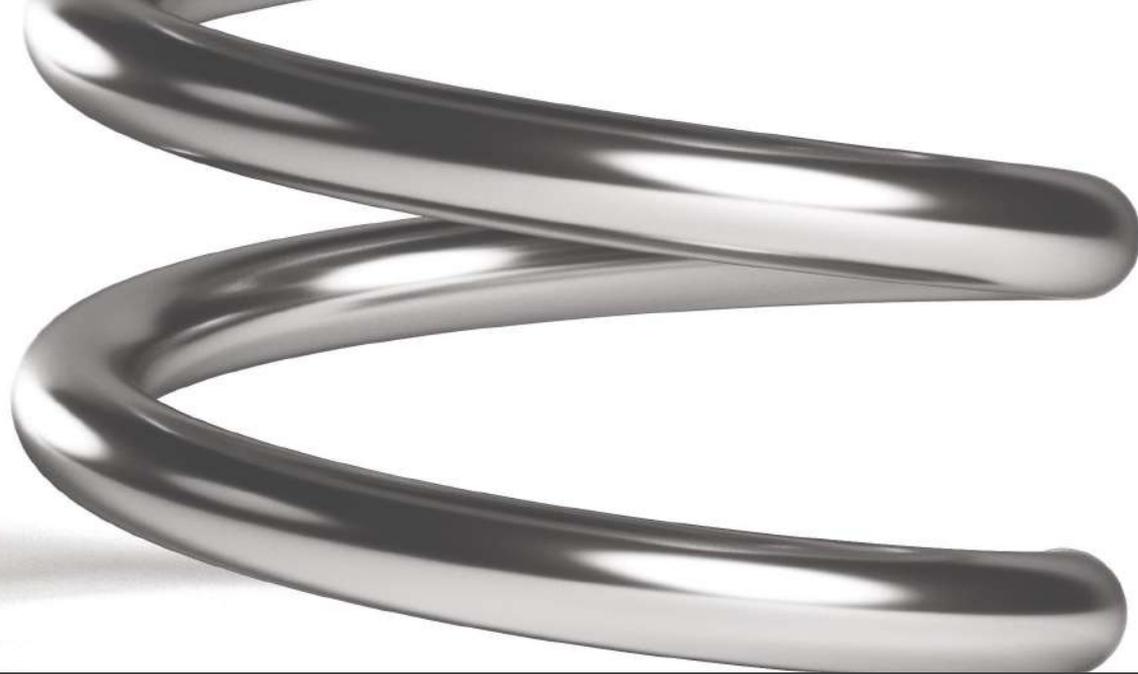
The choice of the right material, surface treatment and coating are critical in the final quality and security of the product. From stainless steels to the most specific materials brought by the best suppliers.

## Key Processes

- Passivation
- Ultrasonic cleaning
- Environment cleaning
- Custom packaging solutions in clean room such as Tape and Reel Packing
- Machine-integrated vision control technology (100% unitary control)
- Plastic assemblies
- Deburring
- Grinding
- Cold & hot presetting and hot setting
- Shoot peening & vibrating
- Special coatings
- Overmolding

# WORLDWIDE OPERATIONS





rpk

[rpk.es](http://rpk.es)