

Röchling

Röchling Precision Components SE

Company Presentation

25.10.2024 |



Change and progress are part of our DNA

Carl Röchling,
1827–1910



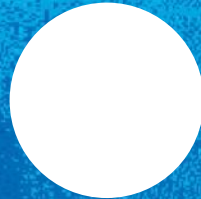
1822

Departure into the
coal and steel era



1921

Materials expertise
expanded to include
plastics



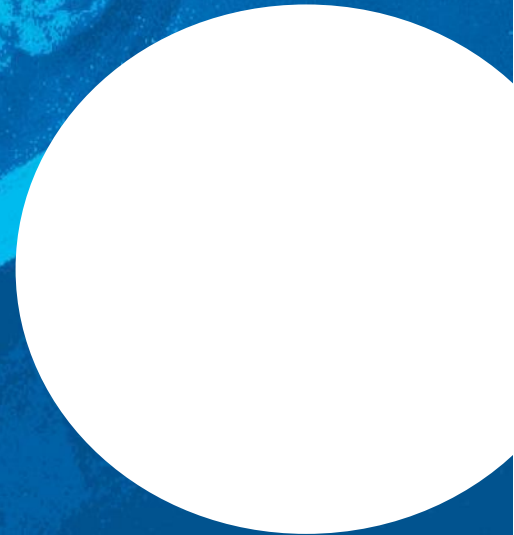
1978

Reorientation and
diversification



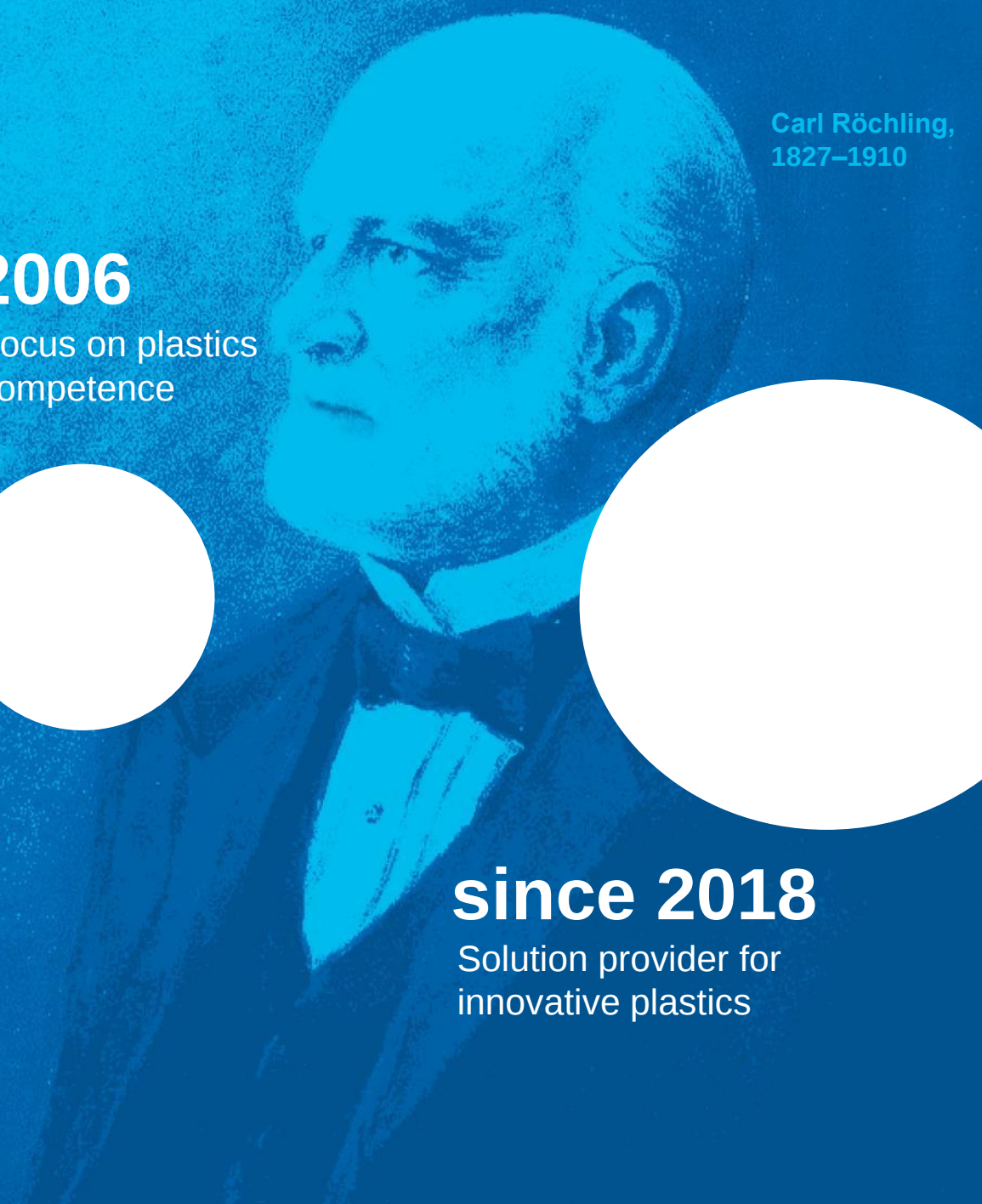
2006

Focus on plastics
competence



since 2018

Solution provider for
innovative plastics



About Röchling Group

2023



€ 2.6 Billion

Sales



11,737

Employees

Röchling



Industrial



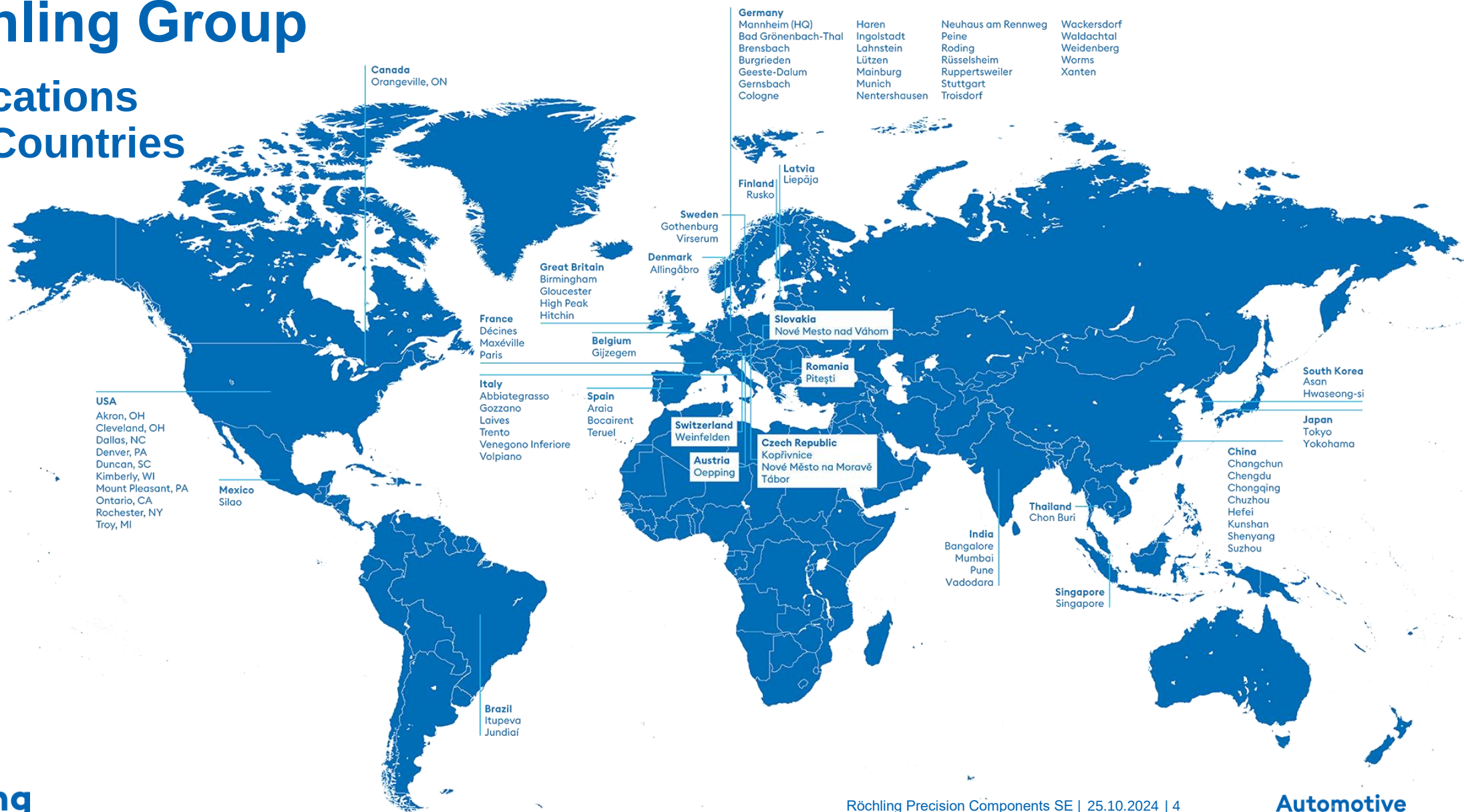
Automotive



Medical

Röchling Group

92 Locations
in 25 Countries



About Röchling Automotive

2023



€ 1.15 Billion

Sales



6,005

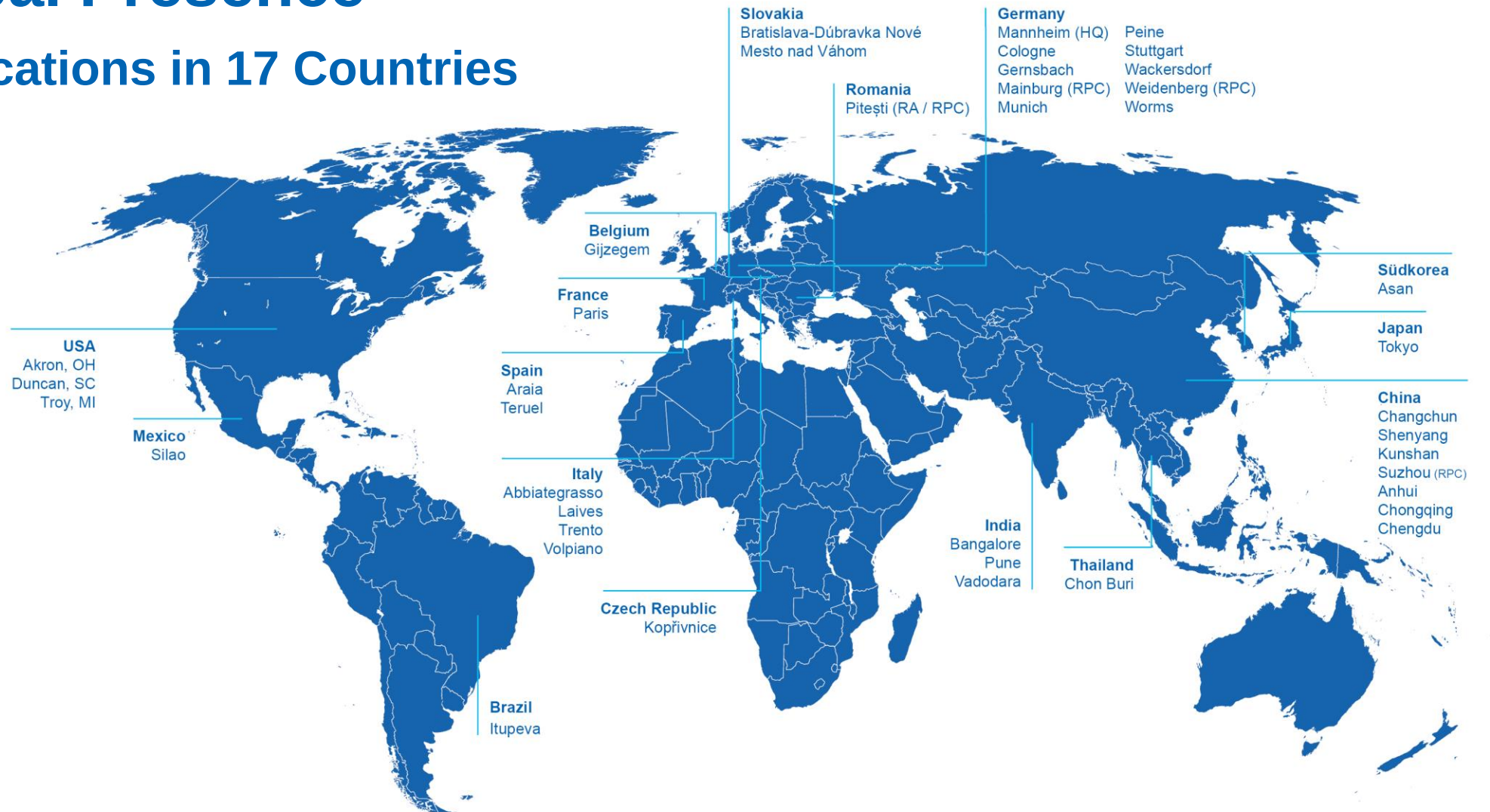
Employees

Röchling



Global Presence

40 Locations in 17 Countries



Our Competences

AERODYNAMICS



PROPULSION



STRUCTURAL
LIGHTWEIGHT



BATTERY
SOLUTIONS



PRECISION
COMPONENTS*

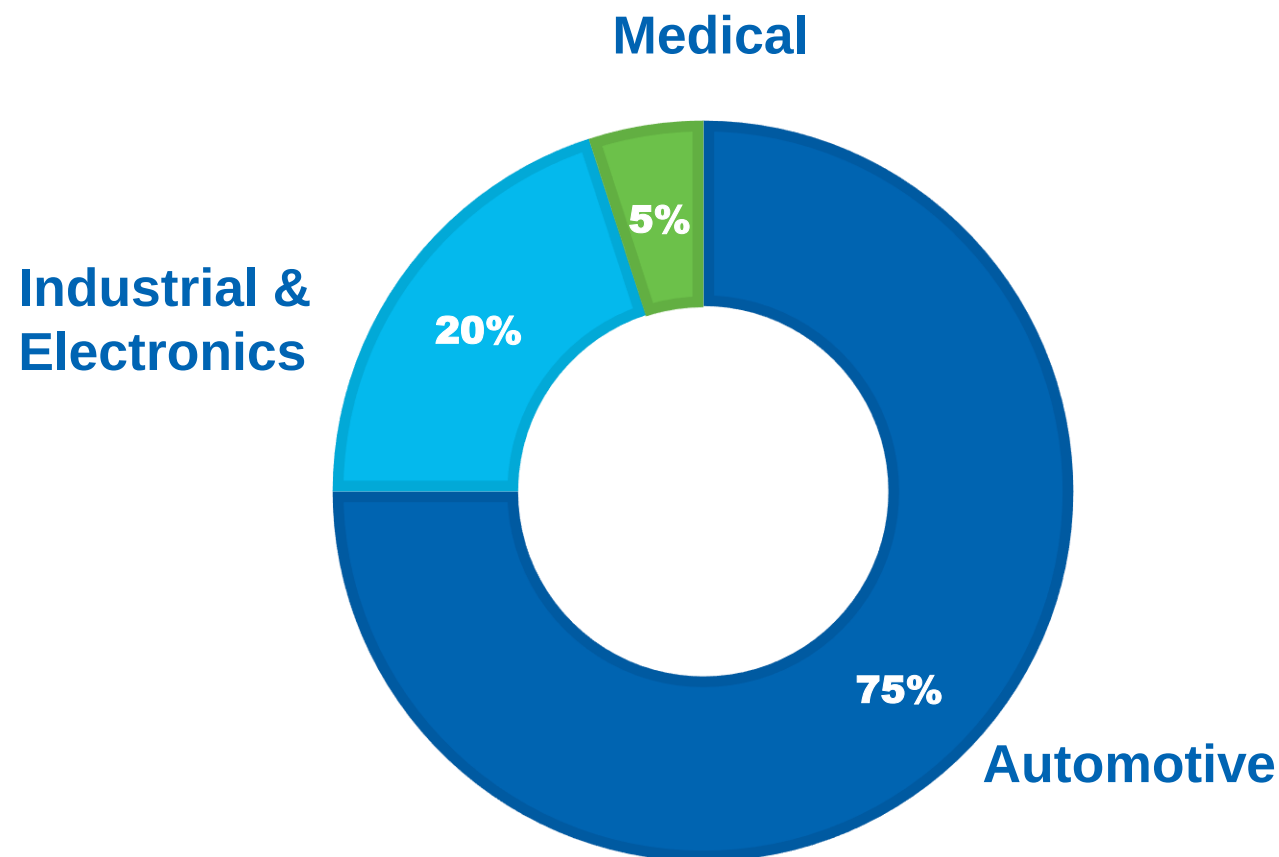


*Legal Subsidiary of RA

RPC - Corporate Figures 2023



RPC - Industries & Global Footprint



RPC - Customer Portfolio

ASMPT enabling the digital world

BAOLONG
保隆科技

ACCUMOTIVE

BOSCH

Continental
The Future in Motion

GRUPPE
MOTION TECHNOLOGIES

FORVIA
HELLA

KNORR-BREMSE



MekTEC®

RAPA

Röchling

CabinAir
Healthy air for the ride

WE WÜRTH ELEKTRONIK



LIFETEC

RPC Strategic Customer – Our References
Customer Focus > 1st Tier-Supplier

Röchling

RPC - Competencies

High competence in precision plastic processing & specialised in industrialization

Core Competencies

- High precision (multi-functional) injection molding plastic components
- Metal-plastics hybrid parts
- High reproducibility / repeatability / high quantity / high flexibility
- Safety related / relevant products
- Automation concept development & Tool design
- Micro plastics parts
- Stringent Cleanliness Requirements
- Inline and offline quality control
- High performance plastic & highly-filled ultra polymer competence

RPC - Product Range

**High
Performance
multi-functional
Components**



**Metal-Plastics
Hybrid
Components**



**Micro Injection
Molding
Components**



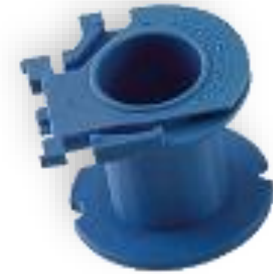
**E-Mobility
Battery
Components**



RPC - Main Product Segments

High Performance (multi-functional) Components

- Smallest Dimension in highest precision (0,0025 – 0,985 gr.)
- High quantities (> 250 Mio. pcs. / p.a.)
- High dimensional accuracy and tightest tolerances (max. 20 µm)
- MuCell Technology for Gear Housings and Gear Covers
- Safety related / relevant components
- Specialized in industrialization



Coil Bodies



Pedals



Accumulator Pistons



Spring Covers



Housings
(MuCell possible)

RPC - Main Product Segments

Metal-Plastics Hybrid Components

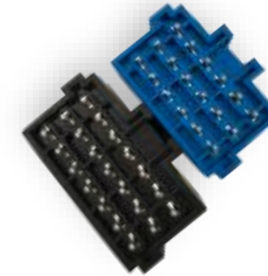
- Metal inserts (pins, connectors, cores, plates)
- Inline stamping and inserting process / stack molding with metal inserts
- Processing of high-temperature plastics up to 65% fillers (e.g. glass fiber, glass beads and carbon fiber)
- 2-component injection molding



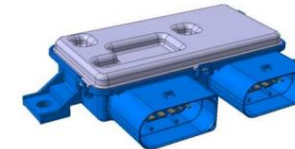
Connectors
2-component injection molding (hard / soft)



Coil Bodies



Connectors



Housings



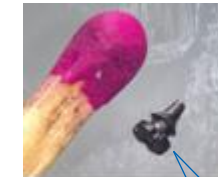
RPC - Main Product Segments

Micro Injection Molding Components

- Specially adapted machine and tool technology
- High process reliability and repeatability
- Shot weight <50 mg possible
- Complex process technology („all in one“ production cell)
 - Injection molding
 - Inline camera inspection
 - Inline packaging
- Part weight: 0,0028 g



Tappets



Poppets
Poppet Valves



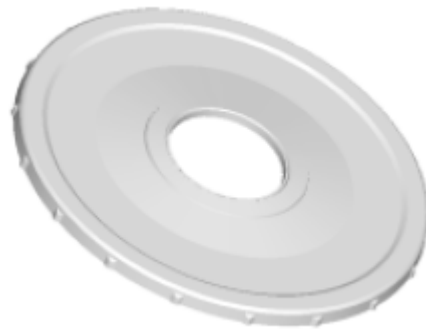
RPC - Main Product Segments - E-Mobility

Battery Components – Cylindric Cell Components

- Fully automated manufacturing for high volume production (>140 million pieces per year)
- 64-cavity tool
- 100% inline camera inspection
- Fully automated packaging



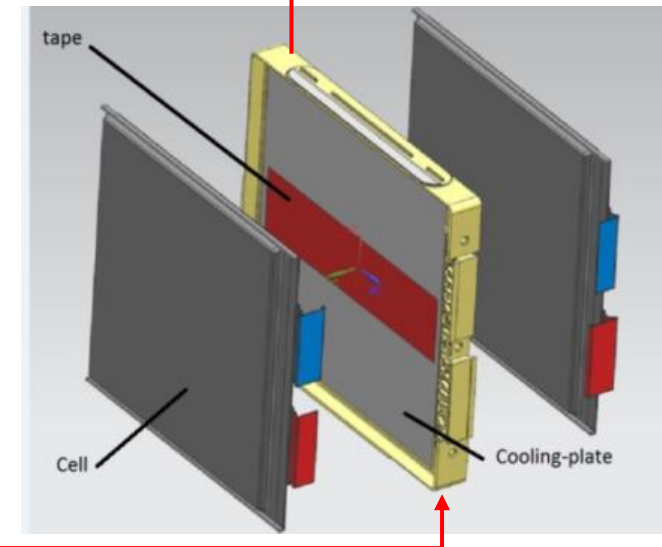
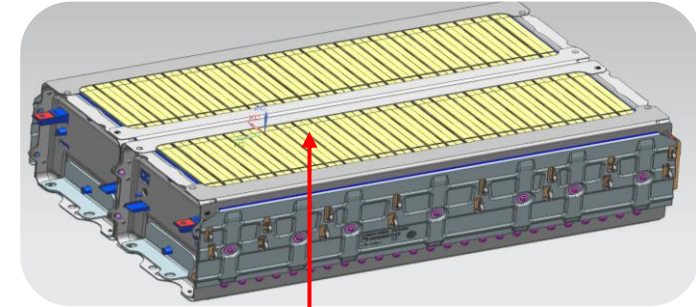
Cylindric Cell Components



RPC - Main Product Segments - E-Mobility

Battery Components – Cell Frames

- Over-molded metal for integrated cooling
- High precision capability
($<0,3$ mm profile tolerance)
- Fully automated manufacturing for high volume production (>12 million pieces per year)
- Scratch free handling
- Inline metal stamping from coil
- PP-LGF50 material



Röchling Direct Manufacturing Center

7

Engineers, technicians and specialists

6

Printing technologies on start-up

10+

Technical facilities for pre- and post-processing

500 m²

Modern and fast scalable Factory Layout



Excellence

Focusing the corporate activities in the area of additive manufacturing

Production

Make additive manufacturing production-ready and generate a new product portfolio in all divisions

Pioneering

Exploring new ways of value chain for Röchling

Röchling Sustainability Strategy 2025



Röchling

Automotive

www.roechling.com/automotive