

FROM METAL
TO MASTERPIECE



1

WHO WE ARE | COMPANY _____ P. 04 - 05

2

WHAT DRIVES US | STORY _____ P. 06

3

HOW EVERYTHING COMES TOGETHER | _____ P. 07
VALUE CREATION

4

THE EXPERTISE WE COMBINE | _____ P. 08 - 09
TECHNOLOGIES

5

WHERE PRECISION IS ESSENTIAL | MARKETS _____ P. 10

6

WHAT PRECISION CREATES | SOLUTIONS _____ P. 11



INTRO

Metal opens up a new world of possibilities.
What matters is what you make of it.

The result is a combination of experience, advanced technology and deep expertise in materials, processes and functional requirements.

We know how materials perform, how manufacturing processes work together and how technical challenges are translated into dependable solutions. Our metal components are engineered for applications where resilience, reliability and accuracy down to the micrometre are essential.

This is how we turn metal into function.
And precision into reliability.

FROM METAL TO MASTERPIECE.

1

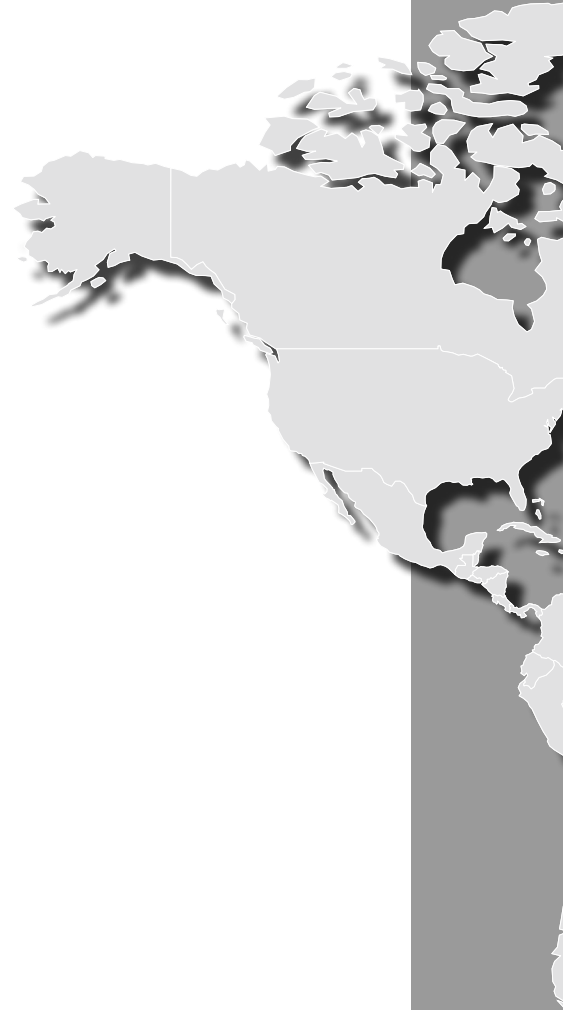
WHO WE ARE | COMPANY

**GLOBAL EXPERTISE.
LOCAL PRESENCE.**

As part of the Prym Group, we belong to an internationally operating family-owned company with production and technology sites around the world.

We develop and manufacture precision metal components for demanding industrial applications. Wherever innovative and reliable solutions are required, we combine our technological expertise, extensive vertical integration and an international presence.

With locations across Europe and Asia, we are globally connected while remaining close to our customers' requirements. Development, production and application engineering work hand in hand. This creates short decision-making paths, stable processes and solutions that perform reliably worldwide.





2

WHAT DRIVES US | STORY

WHEN TECHNICAL CHALLENGES BECOME COMPLEX, WE THINK AHEAD.

■ **Precision begins with the details. Long before the final product.**

When materials, surfaces and processes must be perfectly aligned, experience and a deep understanding of the final application are essential. This is where our expertise begins.

■ **From material to function.**

For us, metal is the starting point of a solution. What matters is what it ultimately becomes within the system: a reliable contact, a durable connection, a precision surface or an assembly that performs consistently in series production.

■ **Everything under one roof.**

To turn a technical requirement into a reliable solution, our development, prototyping, tooling, surface treatment, and production teams combine their expertise. Short communication channels, coordinated processes, and direct feedback are part of our daily project routine.

■ **Reliability in operation.**

Our components are used in battery systems, electronic control units, and other sensitive industrial applications. The importance of precisely matching materials, surfaces and processes becomes clear here. Ultimately, durability, process reliability and micrometre-level precision determine system performance.



3

HOW EVERYTHING COMES TOGETHER | VALUE CREATION

VERTICAL INTEGRATION IS OUR STRENGTH.

Our value creation is built on connecting key process steps within our own organization.

Materials engineering, toolmaking, electroplating and a wide range of manufacturing technologies work closely together. This ensures short coordination paths, stable processes and full control over quality, surface properties and functionality throughout the entire production chain.

The result is system solutions that fulfill their intended purpose with precision and perform reliably in series production.

4

THE EXPERTISE WE COMBINE | TECHNOLOGIES

**WE DON'T JUST MANUFACTURE PARTS.
WE UNDERSTAND PROJECTS.**

Complex requirements demand seamless interaction between all process steps. That is why we consider every project from the initial technical requirement through to the final application. By bringing key technologies together under one roof, we create reliable solutions ready for series production.



■ **RESEARCH & DEVELOPMENT**

We support technical projects from initial conception to production-ready implementation. By working closely with our customers, we develop innovative concepts that incorporate our knowledge of materials and manufacturing expertise, as well as our understanding of the end application.

■ **MATERIAL TECHNOLOGY**

We develop, produce and process contact materials that are precisely tailored to the application in terms of their electrical conductivity, mechanical strength and material behaviour.

■ **DESIGN**

Our design team transforms technical requirements into practical solutions. Through thoughtful product development, optimized component geometries, and attention to detail, we ensure a seamless transition into series production.

■ **PROTOTYPE CONSTRUCTION**

Technical concepts become tangible early on in our prototype construction process. This enables us to test functions, refine details, and make important decisions for series production with confidence.

■ **STAMPING AND BENDING TECHNOLOGY**

We manufacture stamped, bent and functional components with tight tolerances, stable process characteristics and high repeatability in series production.

■ **TOOLMAKING**

In our in-house toolmaking department, we develop and manufacture tools that ensure stable, efficient production processes. These tools lay the foundation for tight tolerances, reliable processes, and cost-effective manufacturing.

■ **ELECTROPLATING / SURFACE TECHNOLOGY**

Our in-house electroplating facility demonstrates our expertise in surface engineering: we produce functional surfaces for precision contact systems, corrosion protection and high-quality coatings.

■ **HYBRID TECHNOLOGY: PLASTICS ENGINEERING & ASSEMBLY**

We combine metal and plastic to create hybrid components and integrate individual parts into ready-to-install assemblies. This approach considers geometry, function, and subsequent series production together from the outset.

■ **FASTENERS**

We develop joining technologies that ensure long-term stability, secure connections, and reliable performance under mechanical or electrical stress.

5

WHERE PRECISION IS ESSENTIAL | MARKETS

FOR SYSTEMS TO PERFORM, EVERY DETAIL MUST BE RIGHT.

Our technology supports countless applications behind the scenes. It may not always be visible, but it is essential for ensuring that systems operate precisely, reliably and consistently.

■ **AUTOMOTIVE**

In modern vehicles, every signal, every connection and every contact counts. Our solutions are used wherever control systems, sensors, powertrain and comfort systems need to work together reliably during everyday driving.

■ **INDUSTRY**

In industrial applications, components must remain resilient under continuous stress. Our technologies ensure stable processes, reliable operations and precise technical systems.

■ **MEDICAL TECHNOLOGY**

Medical applications demand the highest quality, process reliability, and long-term functionality. Our products are used in sensitive devices, diagnostic systems, and therapeutic systems, wherever precise technical processes must be executed.

■ **RELAYS & SENSORS**

Relays and sensors respond to the slightest impulses. Our components facilitate precise signal transmission, safe switching processes, and stable connections in sensitive technical systems.

■ **POWER ELECTRONICS**

High technical stability and precision are essential wherever electrical energy is controlled, converted, or transmitted. Our technologies ensure efficient and reliable power delivery throughout the system.

■ **BATTERY TECHNOLOGY & RENEWABLE ENERGY**

Modern battery systems require reliable long-term contacts and connection technologies. Our components provide stable conductivity, ensure safe operation, and extend the service life of energy storage systems.

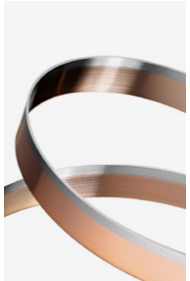
6

WHAT PRECISION CREATES | SOLUTIONS

WE DEVELOP PRODUCTS THAT ARE DESIGNED
TO MEET ONE REQUIREMENT: YOURS.

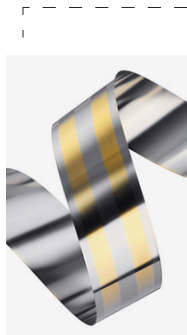
Depending on the application, we develop and manufacture precision parts, fastening technologies and complex assemblies for a wide range of technical applications.

MATERIAL TECHNOLOGY



MATERIAL TECHNOLOGY

- » Contact bimetals
- » Contact trimetals
- » Seam-welded strips
- » Bondable AISi-surfaces
- » Al-Cu plated strips
- » Sandwich strips with a copper layer



SURFACE TECHNOLOGY

- » Solid strips
- » Leadframes
- » Wires and profiles
- » Bondable surfaces
- » Nano coating systems
- » Highly selective plating techniques

PRODUCT & CONTACT TECHNOLOGY



STAMPING AND BENDING TECHNOLOGY

- » Stamped and bent parts
- » Micro-stamped parts
- » Bondable stamped parts
- » Snap domes
- » Press-fit zones
- » Welded/riveted contacts
- » Battery parts
- » Deep-drawn parts
- » Cold formed parts
- » Spacers and bushings



PLASTICS TECHNOLOGY

- » Metal-plastic composite parts
- » Connectors
- » Insert parts
- » Pre-molded parts



COMPONENT ASSEMBLY

- » Mechanical components
- » Electromechanical products

FASTENERS & PRECISION PARTS



FASTENERS

- » Coiled spring pins
- » Slotted pins
- » Tubular products



SPECIAL TECHNOLOGY

- » Laser-welded parts
- » Special turned parts
- » Wire parts



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