

**YOUR INNOVATION.  
OUR CHALLENGE.**



**WE CONNECT  
ELECTRONICS  
AND PROVIDE  
RELIABLE  
PROTECTION.**

# FROM SINGLE SERVICE TO FULL SERVICE

Multidisciplinary team with Working Lab  
for every electronics task

**WERNER WIRTH connects.**

With all existing cables, contacts and connectors.  
And those that we'll design to your needs.

**WERNER WIRTH protects.**

From dust, moisture, heat, cold, vibrations and damage –  
or prying eyes. With materials, machines and ideas.

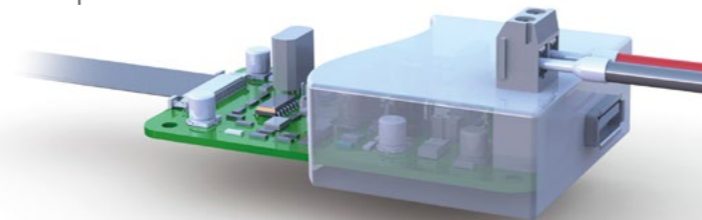
**WERNER WIRTH produces.**

Contract manufacturing and assembly from pilot runs to  
large-scale production: dependable and of the highest quality.

**WERNER WIRTH develops.**

Turn future concepts into today's realities with our end-  
to-end design and construction solutions.

We adopt a big-picture approach in innovating connection  
technology and sustainable component protection.  
This is globally unique and has  
huge synergy effects.



**CONNECTION**

→ 04



**PRODUCTION**

→ 12



**PROTECTION**

→ 08



**ENGINEERING**

→ 14

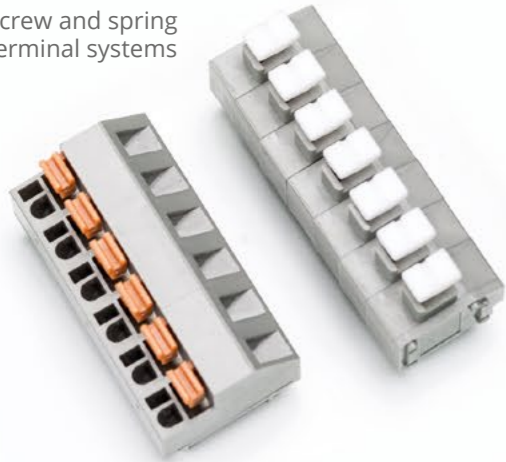




Solderless connectors & cable management



Screw and spring terminal systems



# THE WHOLE WORLD OF GOOD CONNECTIONS

From standard connectors to special solutions

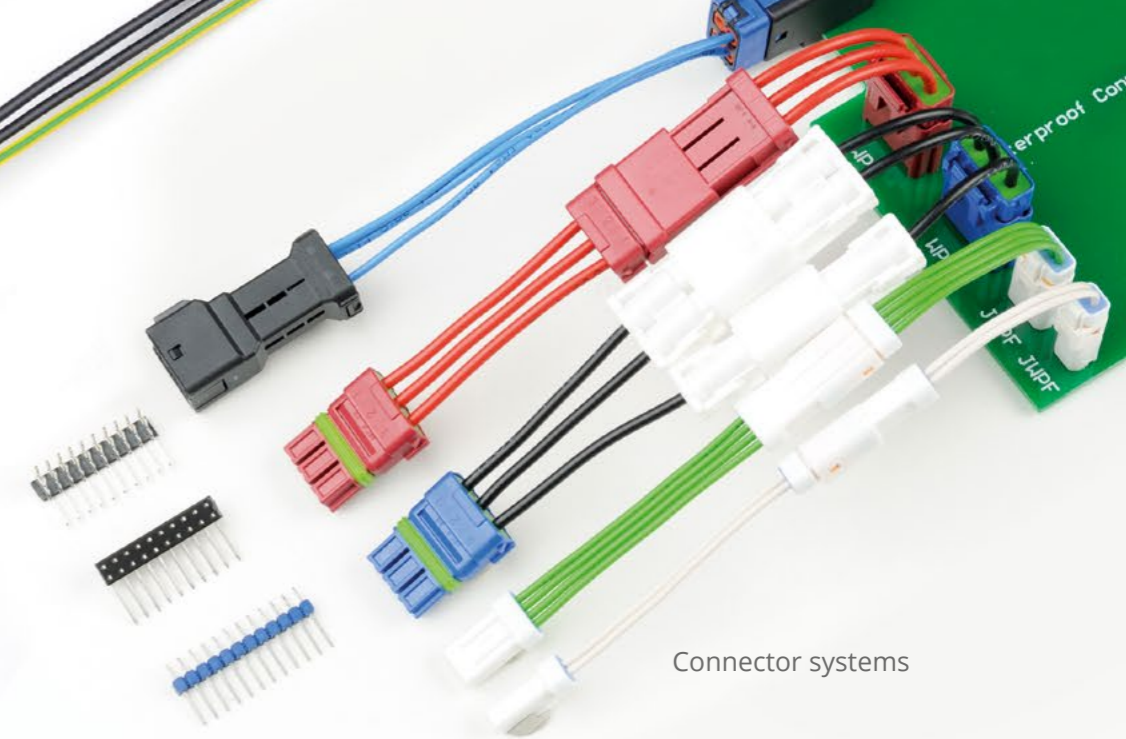
Crimping contacts and stamped-bent parts



I/O connectors



Connector systems



Connector systems & contacts

Get plugged into the right solution!

WERNER WIRTH offers an extensive range of connectors and contacts for virtually any electronics or electrical engineering application. From crimping contacts and stamped-bent parts to connector systems and beyond – such as screw and spring terminals, I/O connectors, solderless connectors and cable management. We also provide all the essential tools and equipment for various processing techniques like cutting, stripping or crimping.

Explore our full range. Can't find what you need? Just ask us. There's always a solution.



Customised connector systems

We develop individual connections  
with enduring protection.

When standard solutions fall short, that's precisely when we step in. Innovative products often require uniquely crafted connectors, sometimes even necessitating brand-new designs.

WERNER WIRTH does that for you. From 3D design and prototyping to final product, we're with you every step of the way – whether you need to modify an existing connector or create something entirely new.



Innovative e-bike connectors

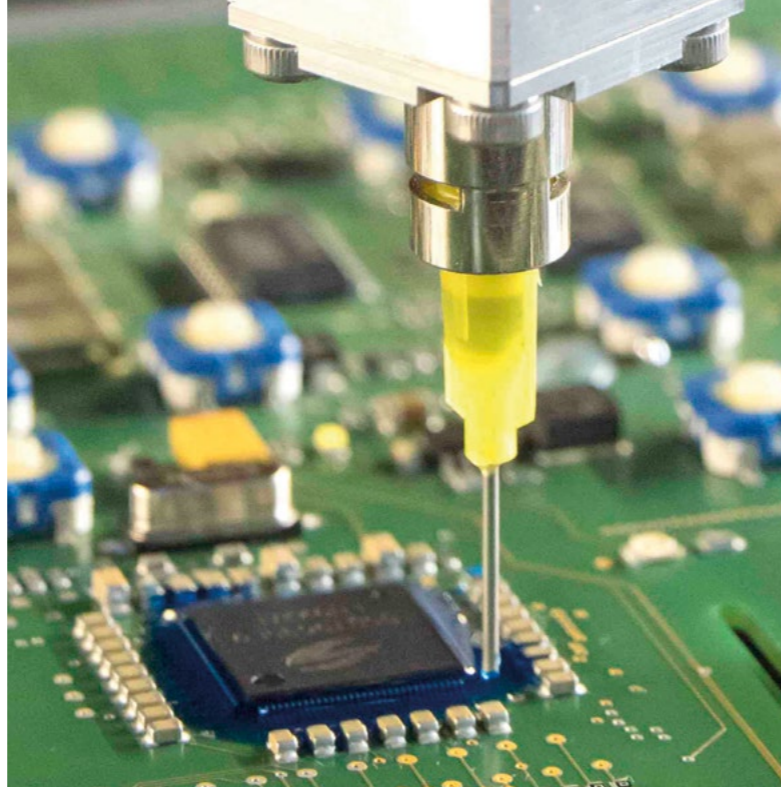
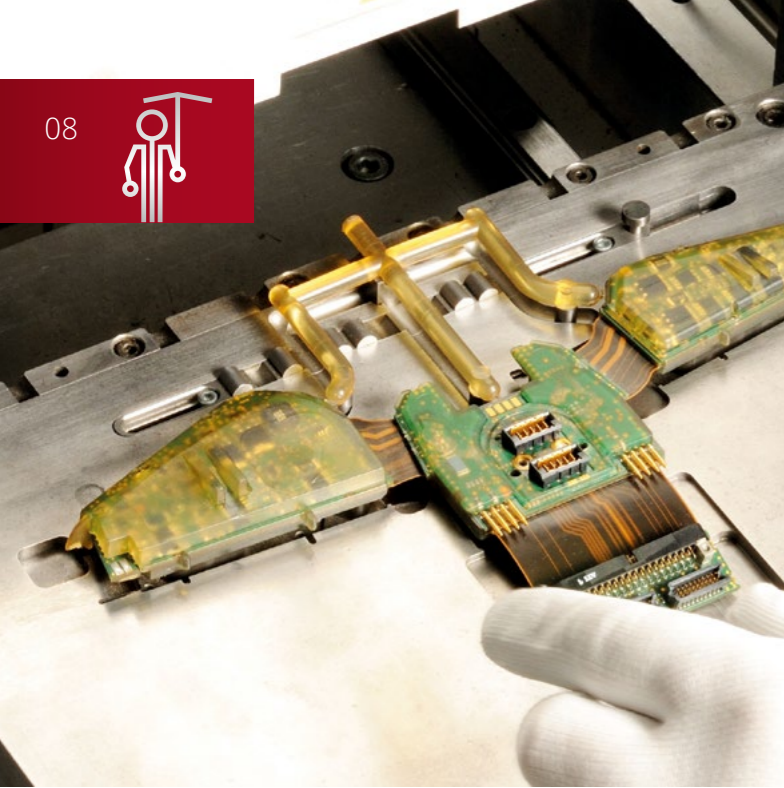
Precision-fit connectors designed  
for your e-bike system

**Individual**

We have been developing and producing highly specific customised solutions for reputable manufacturers for around 10 years now. What challenge can we help you overcome to make your future a reality?

**Modular**

Already developed for you: We offer a pre-designed modular connector system, meeting the stringent demands of various industries. With options ranging from 2- to 5-pin micro connectors to comprehensive system connectors, we provide plug-&-play solutions at any scale, made in Europe.



## COMPONENT PROTECTION – FROM POLYMER MATERIALS TO MACHINERY

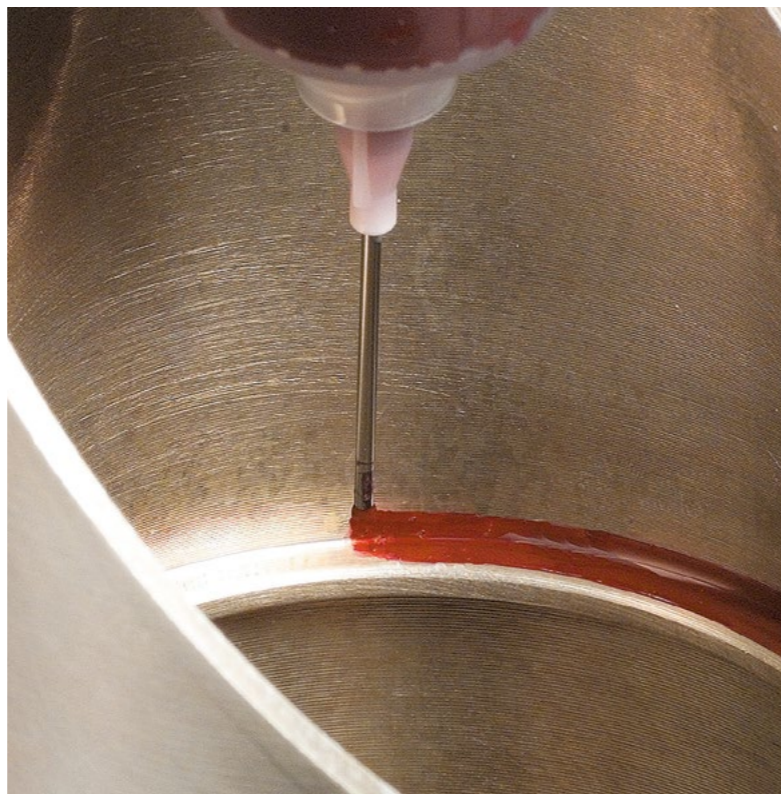
Enduring protection for your electronics,  
even under extreme conditions

### Polymer materials

With 25 years of expertise, we know precisely which materials to use for optimal protection, no matter the environmental challenges.

We specialize in comprehensive component protection, offering solutions like Hotmelt moulding thermoplastics for connectors, sensors and modules. Specialized coatings for ultimate PCB protection. Potting resins for all-around component safeguarding. Professional bonding adhesives for enduring connections, such as on printed circuit boards.

Whether you're battling extreme conditions or aiming for long-term durability, we've got you covered.





Processing technology

## Machinery and accessories: Manufacturing expertise right across the board, scalable from manual system to mass production

Every form of component protection needs suitable processing technology and machinery. WERNER WIRTH collaborates with you to identify and implement the best solution. Join forces with us to plan your new, bespoke production system. Discover the comprehensive possibilities of the WW Alpha 6 series for efficient bonding, coating, dispensing and potting. And experience the diversity offered by our range of hotmelt machines for low pressure moulding.

Whether individual workstations for small series or mass production modules that fit in smoothly with your production line, we are used to thinking in terms of the bigger picture so not even the smallest detail is forgotten, while still saving a few minutes here and there – for even more efficient production.

Plus, we offer full-service manufacturing for you as well – from initial production to final assembly.





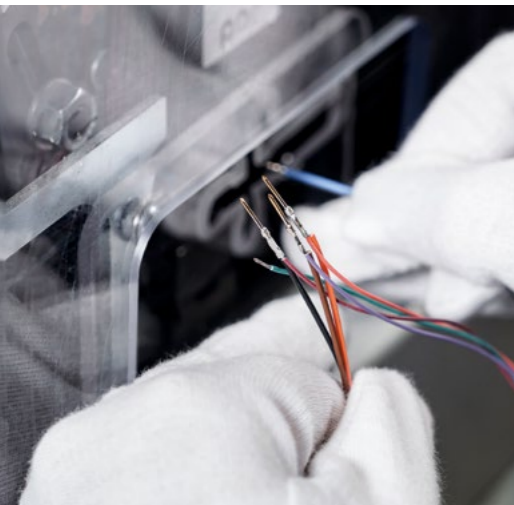
# PROFESSIONAL CONTRACT MANUFACTURING AT ITS FINEST

Harness assembly, module assembly  
and device construction, PCB conformal  
coating and part potting

Choose WERNER WIRTH for your contract manufacturing needs. We provide comprehensive know-how, all necessary materials, parts, processing machines and toolmaking expertise for permanent connection and protection of sensitive, important electronic components, even under extreme conditions.

Businesses across diverse markets rely on our expertise for durably protected connections and electronic components, as well as our comprehensive range of services.

Trust WERNER WIRTH to know precisely what is needed when, how and why to achieve the best results.



Harness assembly &  
cable management



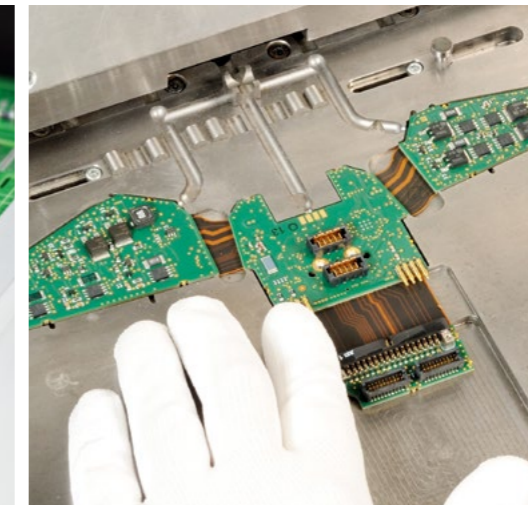
Module assembly



Device construction



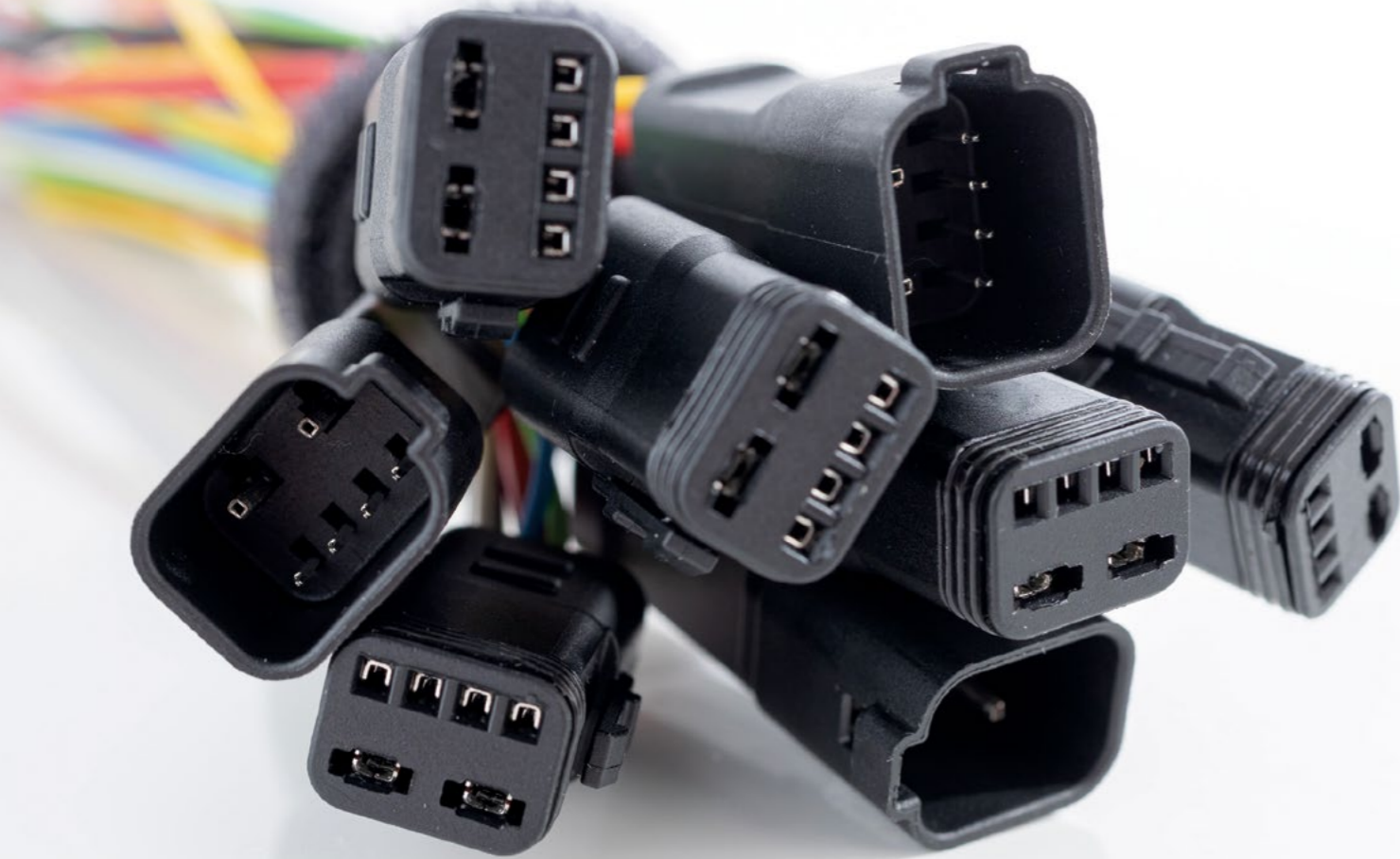
PCB conformal coating



Hotmelt moulding



Contract potting



## YOUR INNOVATION. OUR CHALLENGE.

Our personal drive: finding the perfect solution for special customer challenges.

Customers are often looking primarily for a problem solver as a reliable partner, one who solves all tasks with a customised approach going even above and beyond existing standards, while fulfilling all the norms: an expert engineering partner who takes on entire sub-projects and fulfils them reliably. And that's just what we do: from complex, possibly modified standard products through to tailor-made problem solutions in the heavy-duty sector.

We combine innovative connection technology for electronics and sustainable component protection to create even better customised solutions.

After more than 60 years of experience with electronics, our expertise consists in multidisciplinary know-how and individual planning with holistic consulting – and, on request, offering everything from a single source. The result is custom solutions that help you reshape the world. That's why we say:  
WERNER WIRTH – Your Innovation. Our Challenge.







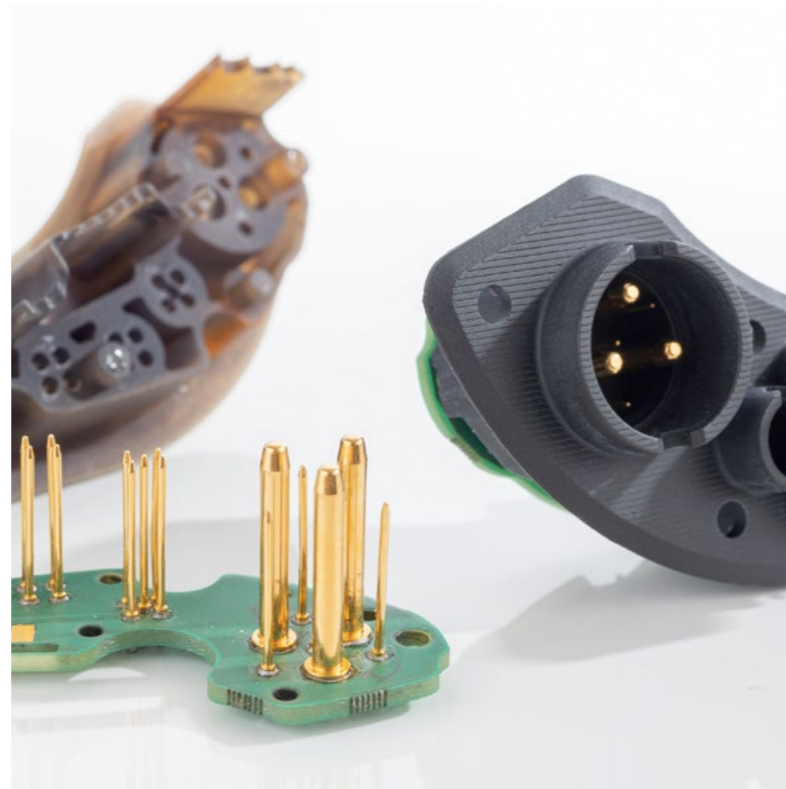
# NEW MARKETS, NEW IDEAS, NEW CONSTRUCTIONS

As your reliable, innovative development partner, we tackle even the most complex challenges in safeguarding electronic connections.



## Construction/Design

We develop exactly fitting solutions for your product innovation.



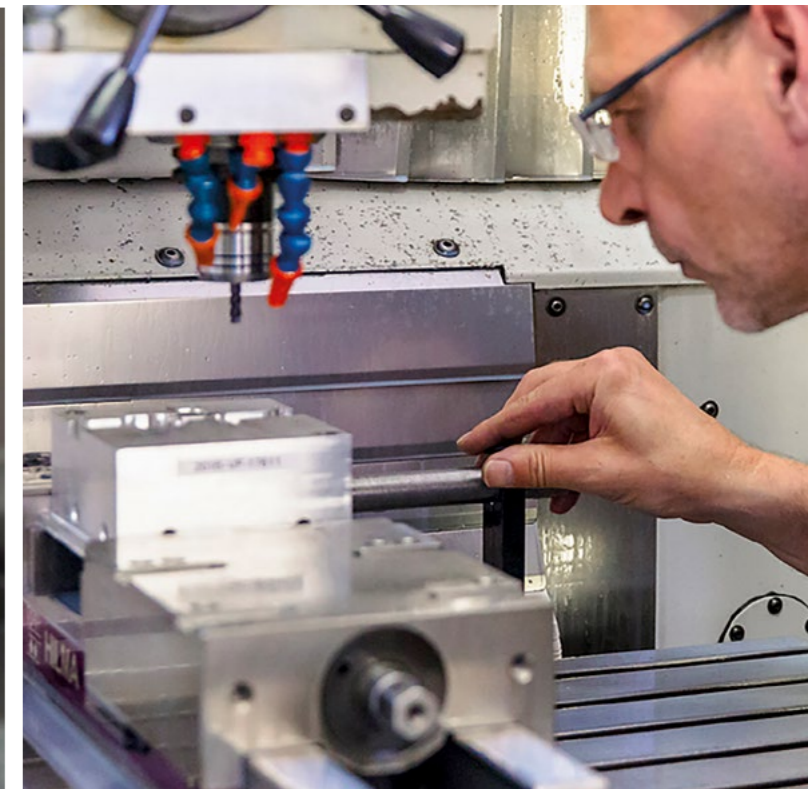
## Product & Process Evaluation

E.g. prototypes to evaluate quality and suitability.



## Material Consulting

We identify and recommend the right material for your requirements.



## Tooling

High precision high pressure, low pressure and prototype tooling.

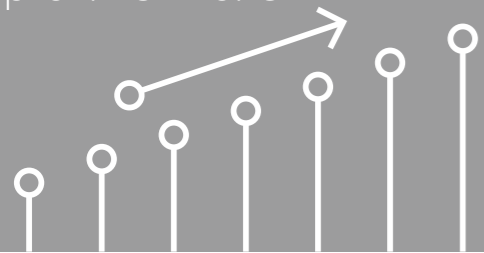
# THE WW GROUP AT A GLANCE

The world is our stage,  
Hamburg is our home.



Locations in Europe,  
Asia and North America

Annual turnover 2022:  
approx. 28 Mio. €



More than 250 employees



Your Innovation. Our Challenge.

„We love innovation, challenges and pushing  
back the boundaries of what’s possible.”

## Market expertise



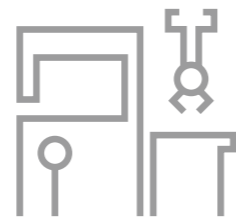
Automotive



The transport sector



Electromobility



Machine construction



Alternative energies



Electronics



Medical technology



Aviation

## Certificates

DIN EN ISO 9001:2015  
DIN EN ISO 14001:2015  
IEC 61340-5-1  
AEOF 120008



1960s/1970s

**1962:** WERNER WIRTH GmbH founded as industrial agency for metal parts. During the 1970s, concentration on the electrical/electronic market segment with the portfolio focused on cable lugs and connectors.

1980s

By the mid 1980s, production begins of customized cable manufacture and fabrication of connecting elements.

1990s

WERNER WIRTH begins hotmelt moulding. Start of the first proprietary hotmelt platform, combined with the engineering of hotmelt tools.

2000s

Component protection is extended with the addition of coating, dispensing and bonding. All based on the same concept: material, machine and know-how from a single source – including manufacturing on request.

2010s

Further development to the manufacturer for electronic connections. Implementation of first proprietary developments for connectors and coating platforms. Inhouse tool-making established for high- and low pressure injection moulding.

2020s

Introduction of a proprietary modular e-bike connector system. With its claim “Your Innovation. Our Challenge.”, WERNER WIRTH focuses on being a development partner to provide solutions that will help to change the world.

**YOUR INNOVATION.  
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