



MAX MOTHES

INTRODUCING

MAX MOTHES

— WHO WE ARE AND WHAT WE DO

Valued Readers,

Welcome to the world of Max Mothes.

Since our founding, our name has stood for quality, innovation, and reliability in the field of fasteners and fastening technology.

It is our pleasure to give you an insight into our philosophy, our products, and our global presence in this booklet.

Our success story is the result of hard work, passion, and close collaboration with our partners worldwide.

Max Mothes has distinguished itself through continuous development and adaptability. This enables us to offer you innovative solutions that meet the highest standards and exceed your expectations.

Despite our global orientation, we have never lost sight of our German roots and original values.

Responsibility, sustainability, and respectful interaction with one another are deeply embedded in our corporate culture. These principles guide everything we do.

Our greatest thanks go to our employees, whose dedication makes our success possible. We are also deeply grateful to you – our valued customers and partners – for your trust and loyalty. Together, we set new standards and shape the future.

Let us continue to work in partnership and explore new paths together. Discover the diversity and innovative power of Max Mothes and stay connected with us.

Yours faithfully

Martin A. Schermbach

CEO



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OUR --- PHILOSOPHY

We are worldwide specialists in the production and logistics of high-performance fastening technology and operate.

The Max Mothes mission: to provide efficient and competent solutions anytime and anywhere, and to form sustainable, reliable partnerships.

We create lasting connections with integrity.

1 | OUR CORE VALUES



INNOVATION



SUSTAINABILITY



**RELIABILITY AND
COMMITMENT**



**FAIRNESS AND
APPRECIATION**



RESPONSIBILITY



CUSTOMER FOCUS

Founded in Düsseldorf



1918

Relocation from Düsseldorf to Neuss



2012

1921



Production launch

2013



Establishment of MAX MOTHE'S in Turkey (Sales Location)

Establishment of
MAX MOTHES in China



2015

Joining the SUMEKO
Industries Co. Ltd. Group



2020

2019



Establishment of
MAX MOTHES in Turkey
(Production)

2024



Establishment of
MAX MOTHES in the USA
(Production)



North America

- Detroit, USA



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BRANCHES

WORLDWIDE



Europe

- Neuss, Germany
- Linz, Austria
- Manisa, Türkiye

Asia

- Suzhou, China
- Kaohsiung and Pingtung, Taiwan



MAX MOTHES

Neuss
Germany

FIGURES

Employees: 150

Area: 65,000 m²

Storage Capacity: 25,000 pallet spaces,
40,000 shelf spaces

Production Volume: 6,000 t

Handling: over 500,000 picks per year

CERTIFICATES

ISO 9001:2015

ISO 14005

IATF 16949

TISAX

COMPETENCIES

Global supply chain

Machining processes

MANUFACTURING OPTIONS

Turning Parts

- Ø 3 mm to 160 mm x Length 3 mm to 4,000 mm
- Single parts also up to Ø 350 mm x Length 2,000 mm

Milled Parts

- Length 5 mm to 1,050 mm x Width 5 mm to 530 mm x Height 5 mm to 510 mm

Thread Manufacturing

- Metric coarse and fine threads rolled from M5 to M100
- Metric coarse and fine threads cut from M5 to M150
- Metric left-hand threads
- Inch threads WW, UNC, and UNF from 1/4" to 6"
- Trapezoidal threads
- Pipe and gas threads
- And all types of special threads according to customer specifications

MAX MOTHES

Manisa Türkyie



FIGURES

Employees: 30

Area: 4,400 m²

Production volume: 5,000 tons

CERTIFICATES

ISO 9001:2015

EN 15048-1:2007

AD 2007

COMPETENCIES

Hot forging

Machining processes

MANUFACTURING OPTIONS

- Screws according to DIN 931, DIN 933, DIN 912, DIN 7991, DIN 6914, DIN 6915, DIN 6916, DIN 934
- Screws of strength classes 8.8 / 10.9 / 12.9 from M16 to M72 available from stock
- Our production capabilities also cover high-strength fasteners such as HV, HR, HRC, and SB. Our preloaded screw connections can also be supplied as a kit (screw + nut + washers).
- Custom parts (drawing parts)



MAX MOTHES

Suzhou
China

FIGURES

Employees: 170

Area: 30,000 m²

Production volume: 8,000 tons

CERTIFICATES

IATF 16949

ISO 9001:2015

COMPETENCIES

Cold forging

Machining processes

MANUFACTURING OPTIONS

- Screws
- Bolts
- Nuts
- Internal thread cutting
- Subsequent machining
- Custom parts
- Custom drawing parts
- Fully automated assembly machines

In-House

- Multi-Safe sorting system for 100% control
- Capacity: 500 tons/month

Magni Coating coating system

- Automatic „Dip-n-Spin“ device
- Type M-304394

MAX MOTHES

Detroit
USA



FIGURES

Employees: 30

Area: 14,000 m²

Production volume: 10,000 tons

CERTIFICATES

IATF 16949

ISO 14001

COMPETENCIES

Cold forging

MANUFACTURING OPTIONS

- Nuts
- Bolts
- Screws
- Custom parts
- Custom drawing parts



SUMEKO

Kaohsiung &
Pingtung
Taiwan

FIGURES

Employees: 240

Area: 8,000 m² (Kaohsiung); 16,500 m² (Pingtung)

Production volume: 10,000 tons

CERTIFICATES

IATF 16949

ISO 14001

Magni Coating (approved by GM)

MAThread license

COMPETENCIES

Cold forging

Machining processes

MANUFACTURING OPTIONS

- Nuts
- Bolts
- Screws
- Custom parts
- Custom drawing parts
- Magni coating
- Stamping
- Heat treatment
- Microencapsulation
- Ultrasonic cleaning
- Assembly groups



Neuss
Germany



Manisa
Türkiye



Suzhou
China



Detroit
USA



Kaohsiung
& Pingtung
Taiwan



WE ARE --- **MANUFACTURER AND SUPPLIER**

Max Mothes manufactures in Europe, China, Taiwan, and the USA, and exports worldwide. This positioning enables us to produce and offer a wide variety of highest-quality fasteners for the global market.

As both a manufacturer and supplier, we stand for quality, reliability, and innovation.

We not only produce standard parts and deliver them to customers worldwide, but also non-standard sizes, plus as custom and drawing parts.

Thanks to our expertise and in-house production, we are flexible to individual customer requests.

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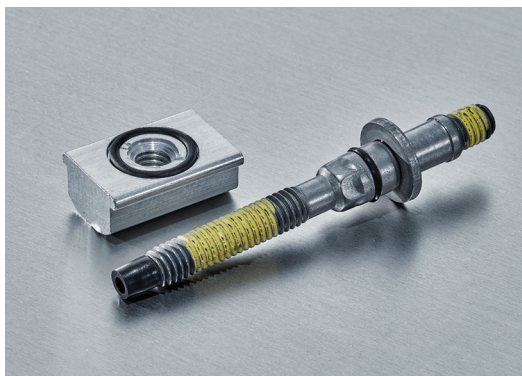
OUR
PRODUCTS
CONNECT



Bolts



MOTHES FIX



Assemblies



Sealing Nut

Hexagon screws



Stud bolts and bolts



Captive screws



Nuts





DIN AND STANDARD PARTS

Always on stock

We supply 90,000 different fasteners and accessories made of steel, stainless steel, brass, or plastic in excellent quality, available directly from stock

CUSTOM-MADE PRODUCTS

We love challenges

Where standard parts and dimensions are not sufficient, we develop custom elements or kits. Our technical teams create the corresponding plans or produce the custom-made items according to drawing specifications



MOTHES FIX

Powerful hold right from the start

Non-lost captive screws, such as the Mothes Fix, are indispensable for modern fastening technology.

The pre-assembled components are delivered as needed to the production lines of the OEMs. This results in enormous savings potential in the areas of logistics, assembly, and quality.

This makes Mothes Fix a small component with a big impact

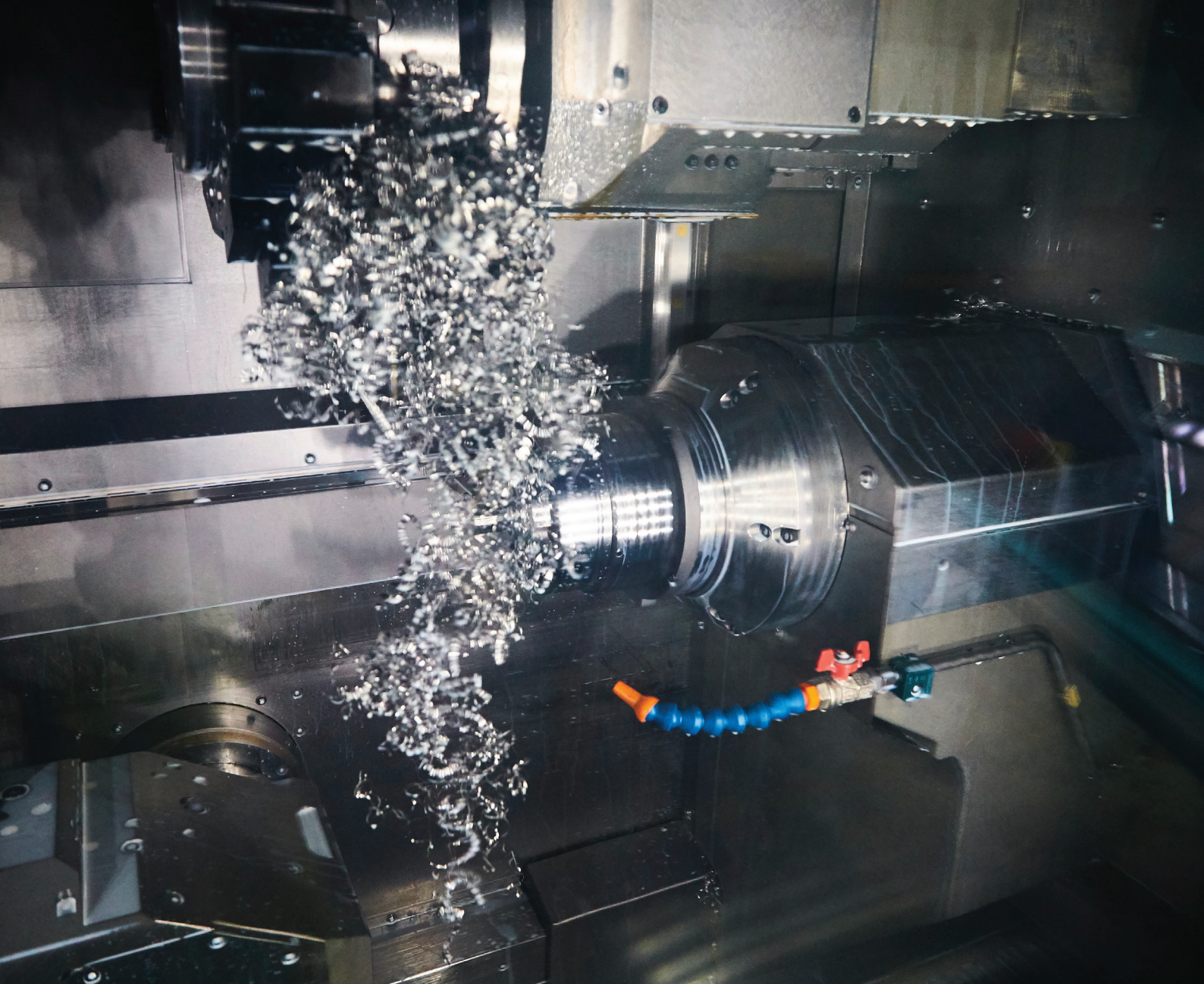


SEALING NUTS

Hold and seal tightly

An all-rounder that saves time, materials, and money. It prevents the leakage of gases or liquids and stays securely in position thanks to the loss protection.

Sealing nuts from Max Mothes are used in the construction of gearboxes, engines, and pumps. They guarantee safe, leak-proof threaded connections without the need for sealing tape or hemp, liquid or microencapsulated sealants, or time-consuming processes. The perfect solution for machine and plant construction, as well as for automotive manufacturers and their suppliers



PRODUCTION

IS OUR PASSION

With a globally connected network of experts, Max Mothes manufactures high-performance fastening technology for the automotive industry, mechanical engineering, electronics, agriculture and energy sectors, construction, and other industries.

State-of-the-art technologies and stringent quality standards ensure high quality and reliability. We continually optimize our processes and invest continuously in innovation, research, and development, ensuring that Max Mothes continues to set standards in the fastener industry in the future.

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COMPETENCIES

WE ARE SKILLED IN OUR CRAFT



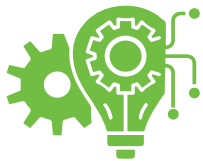
PRODUCTION

Manufacturing with technical excellence and top quality



COATING

Surface coatings for every requirement



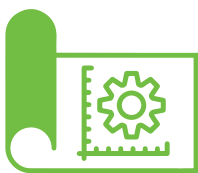
ENGINEERING

Maximizing process efficiency for serial manufacturing



QUALITY

Top-tier requirements for materials, products, and processes



PROTOTYPING

Prototype and small batch model development



SOURCING

Fast, flexible, and cost-effective through strategic resource management



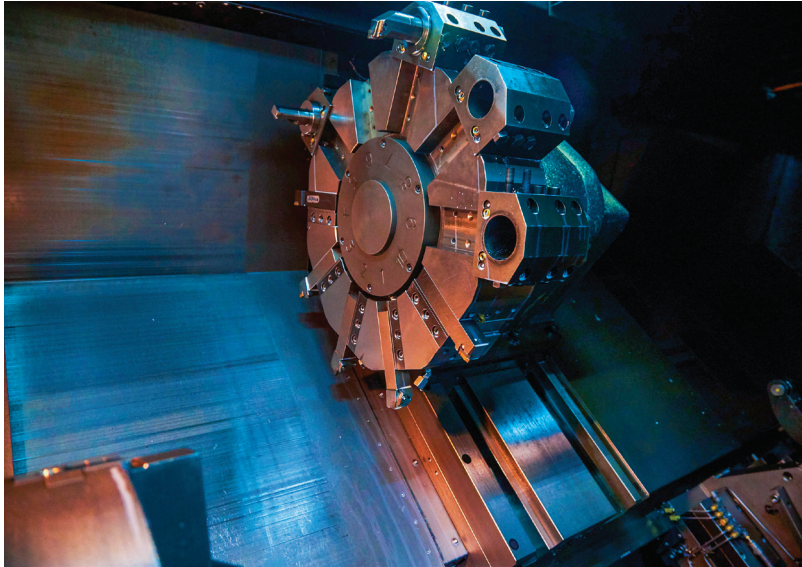
SUPPLY CHAIN MANAGEMENT

KANBAN systems ensure continuous material availability



WORLDWIDE

Global sourcing based on economic, environmental, and social criteria



MACHINING/ CUTTING TECHNOLOGY

In addition to milling, drilling, and grinding, Max Mothes also offers turning as a manufacturing process in machining technology. This process involves removing chips from the workpiece to create the desired shape.

Max Mothes has CNC turning machines, whether for flat or cylindrical turning, thread manufacturing, or the production of all conceivable rotationally symmetric shapes, such as cones or spheres, using NC technology.

Location: Max Mothes GmbH, Neuss, Germany

Max Mothes (Suzhou) Co., Ltd., China / Sumeeko Ltd., Taiwan

COLD FORGING

Plastic deformation of metals below the recrystallization temperature is called cold forming. The resulting cold hardening continuously increases the material stability. If the increase in strength is not desired, it can be reduced through subsequent heat treatment.

Cold forming is recommended for tight dimensional tolerances while maintaining good surface properties, or for the targeted increase in material strength.

Location: Max Mothes (Suzhou) Co., Ltd., China / Sumeeko Ltd., Taiwan

Max Mothes Fasteners LLC, Fraser, MI, USA

HOT FORGING

When metals are deformed above the recrystallization temperature, this is referred to as hot forming, commonly known as forging. In industrial manufacturing technology, a distinction is made between open-die forging and die forging, which preserves the shape.

Location: Max Mothes Cıvata Üretim San.ve Tic. Ltd. St, Türkiye



MANUFACTURING

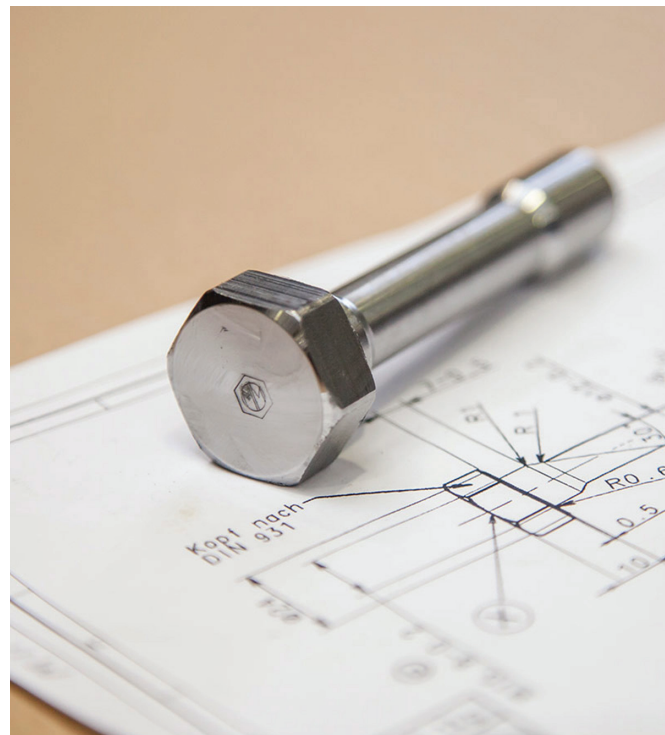
Fast, flexible, versatile

- Cost efficiency through variable production processes within the Max Mothes Group
- Smooth, quality-assured production of small, medium, and large series for various applications
- Modern machine fleet with continuously increasing automation
- Short lead times due to a large raw material warehouse
- Quality assurance through certified European suppliers and 3.1 certificates

PROTOTYPING

From the sample to the finished product

- Inspection of certified raw materials according to our quality guidelines
- Development of prototypes or small series based on CAD drawings
- Provision of parts for testing purposes or simulations at the customer's site
- Discussion of all necessary steps towards series production readiness (In-house consulting)
- Selection of the optimal surface treatment for prototypes
- Acceptance inspection according to 3.1 as per EN 10204 or externally by, for example, TÜV



SUPPLY CHAIN MANAGEMENT

Effective, approachable, global

- On-time delivery of required C-parts in the correct quantity
- KANBAN systems for customized, automated material flow
- Stocking of 90,000 standard parts and 100,000 customer-specific items
- Express service for urgent deliveries



GLOBAL PLAYING

Worldwide Business Hub

- MAX MOTHERS proactively leverages the opportunities of growing globalization
- We have the best global sourcing options for our raw materials and select products
- Our production sites in Germany, Türkiye, China, the USA, and Taiwan ensure proximity to customers worldwide
- With efficient logistics systems, we deliver quickly and flexibly across the globe



ENGINEERING

Technical consulting for optimized serial production processes

Our specialized screw engineering experts provide targeted, application-oriented advice in the areas of

- Product development
- Standardization
- Screw fastening methods
- Corrosion protection
- Surface treatment

COATING

Surface perfection at its best

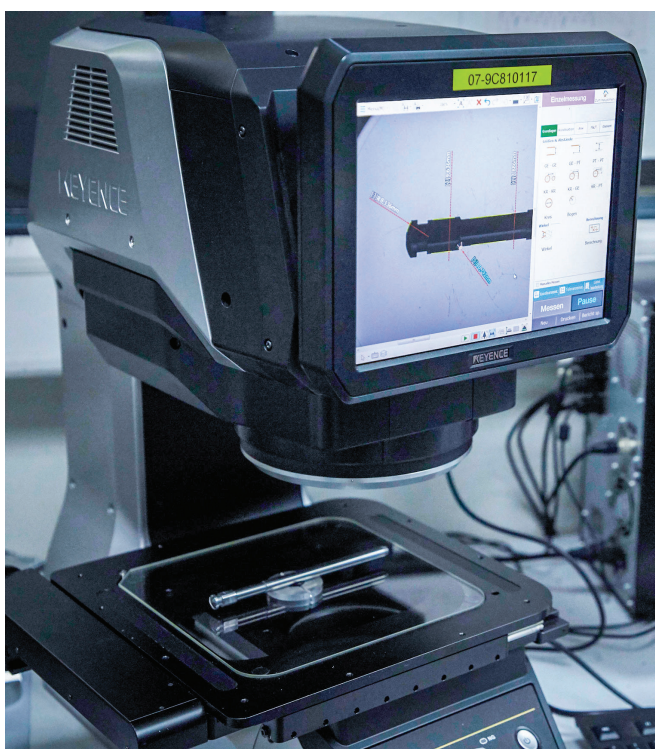
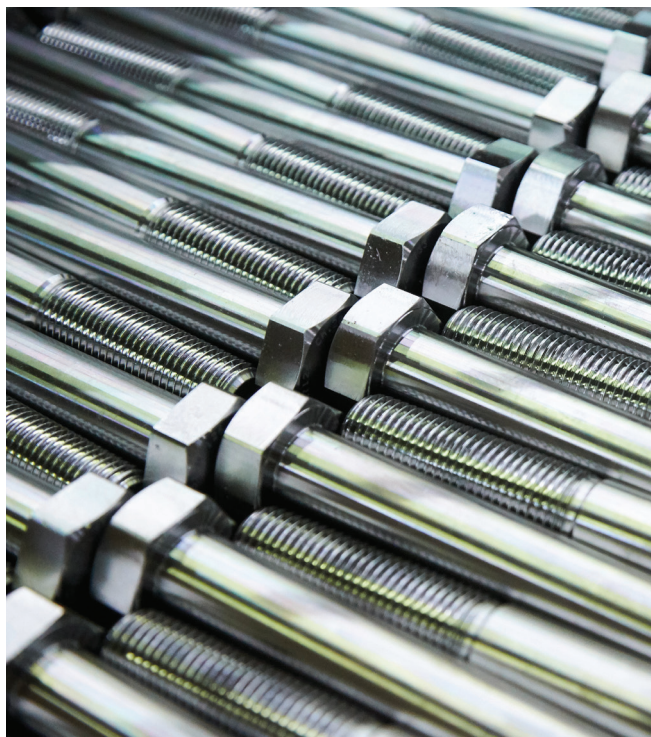
- Corrosion Protection: Phosphating, Zinc Plating, Zinc-Iron Coating, Zinc-Nickel Coating
- Thread Locking: Adhesive Thread Locking, Clamping Seals
- Heat Treatment: Hardening, Bluing, Nitriding, Carburizing, Annealing
- Fine Processing of Precious Workpieces: Grinding, Honing, Lapping, Etching, Electropolishing
- Plastic Coatings: High-performance, Heavy-duty Corrosion Protection
- Coloring: Powder Coating, Cathodic Dip Coating, Painting



SOURCING

Effective Purchasing Strategy

- We prioritize sourcing from partners within our network and primarily purchase fasteners locally near production sites.
- Max Mothes is open to global suppliers, provided they meet quality, economic, and logistical criteria.
- Certification according to ISO 9001 and IATF 16949 is a fundamental requirement for this.



QUALITY CONTROL AND ASSURANCE

Continuous monitoring throughout all processes

- All units are regularly certified.
- We ensure the efficiency and quality of our processes using CASQ-it software.
- In production, we test the materials used and manufacture products with our own fixtures or through accredited testing laboratories.
- Our extensive in-house testing capabilities include 1,400 different test and measuring instruments for dimensional and gauge durability checks, a 2D profile projector, hardness testers, tensile testing machines, spectral analysis devices for alloy verification, contour measuring devices, roundness testers, and salt spray testing equipment.



WE PROVIDE

IN-DEMAND CONNECTION TECHNOLOGIES

Max Mothes is one of the leading manufacturers of fastening elements. For over 100 years, quality, reliability, and innovation have been our guiding principles.

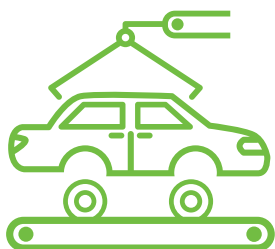
With customized solutions and flexible production processes, we are able to supply various industries with the right fastening elements.

Our international presence, combined with a strong focus on customer orientation, efficiency, flexibility, and sustainability, allows Max Mothes to set new standards in the industry.

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INDUSTRIES

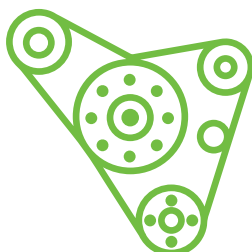
VARIETY ACROSS ALL SECTORS



AUTOMOTIVE



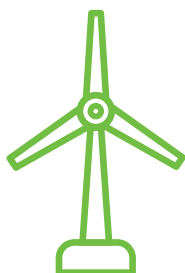
**CONSTRUCTION AND
AGRICULTURAL MACHINERY**



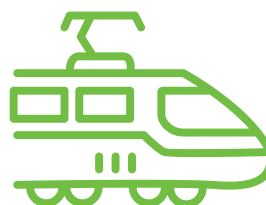
**MECHANICAL AND
PLANT ENGINEERING**



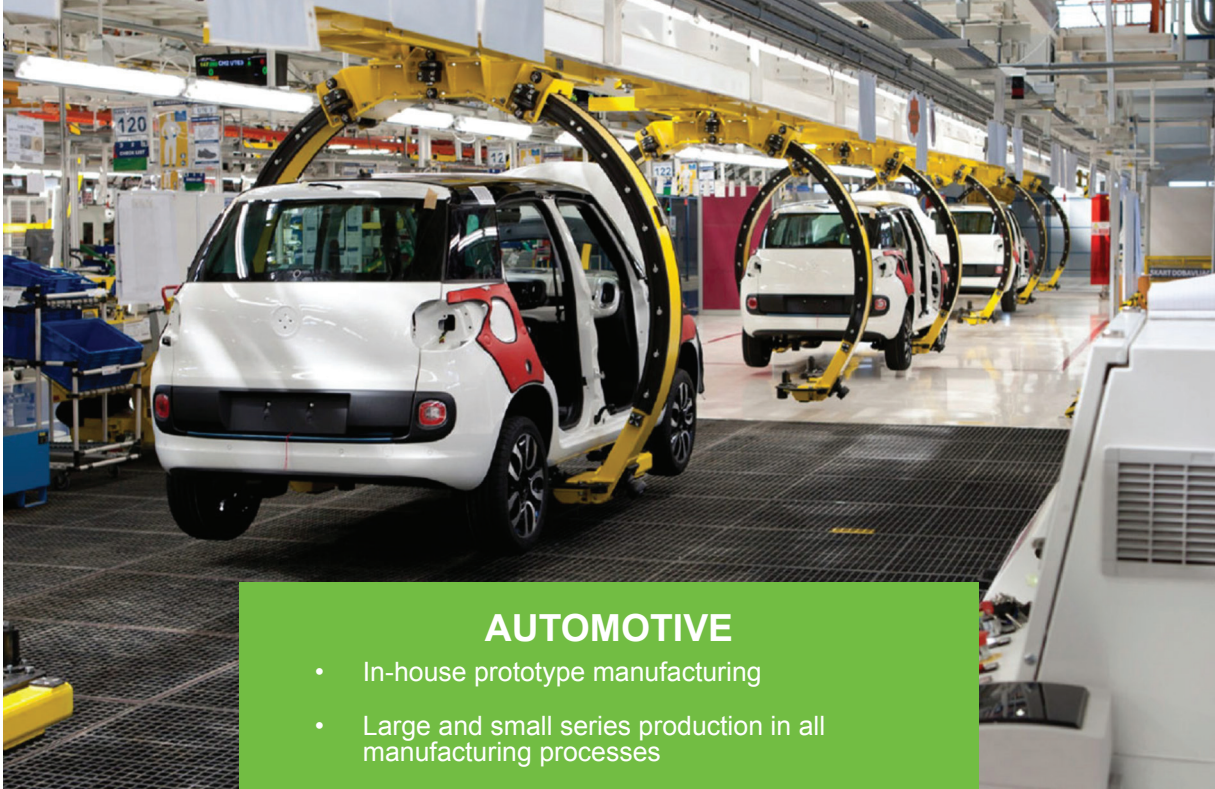
**COMMERCIAL
VEHICLES**



ENERGY TECHNOLOGY



RAILWAY TECHNOLOGY



AUTOMOTIVE

- In-house prototype manufacturing
- Large and small series production in all manufacturing processes
- Global sourcing through our strong and reliable partner network
- Global supply chain



CONSTRUCTION AND AGRICULTURAL MACHINERY

- In-house prototype manufacturing
- Large and small series production in all manufacturing processes
- Process and component optimization through in-house consulting with our application engineers



MECHANICAL AND PLANT ENGINEERING

- Parts up to M150 always available from stock
- Process and component optimization through in-house consulting with our application engineers
- Flexible KANBAN systems
- Large and small series production



COMMERCIAL VEHICLES

- Coatings and strength classes for secure connections in high-load applications
- C-parts management
- Efficient systems for thread locking



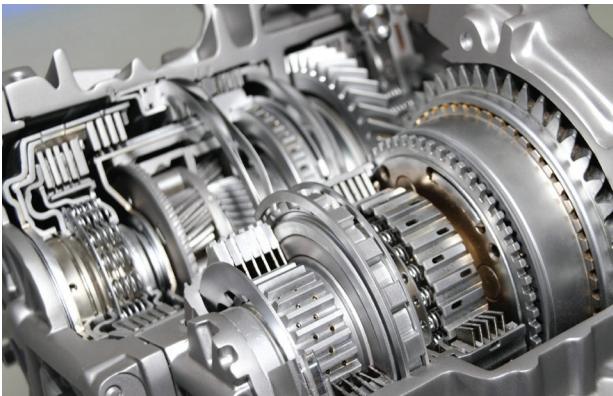
ENERGY TECHNOLOGY

- Large dimensions available
- Customized kit packaging for direct delivery to the job site
- Large and small series production
- Stud bolts, bushings, nuts



RAILWAY TECHNOLOGY

- High-security parts
- Process and component optimization through in-house consulting with our application engineers
- Coatings and strength classes for secure mechanical connections in high-load applications
- All common acceptance procedures

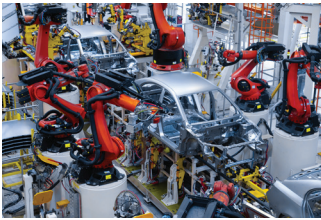




WE OPERATE --- **SUSTAINABLY**

For us, future-oriented entrepreneurship means combining economic commitment with ecological and social responsibility.

6 | OUR RESPONSIBILITY



Since its founding in 1918, Max Mothes has always been distinguished by its foresight. Strong, durable products, solid business relationships, and dedicated teams of employees form the foundation of our success.

We are a globally operating, leading manufacturer and distributor of fasteners, with one of the widest product ranges in the industry. As such, we bear significant economic, ecological, and social responsibility and serve as a role model.



Through numerous measures and initiatives in the areas of sustainability and environmental awareness, we actively contribute to the protection of our planet and set positive examples for the industry.

Sustainability through Visionary Thinking

Max Mothes stands for effective processes and quality products in the fastener segment.

Our quality management systems ensure optimal workflows and guarantee the best results for our customers. We continuously evaluate our actions and are in a constant process of improvement.

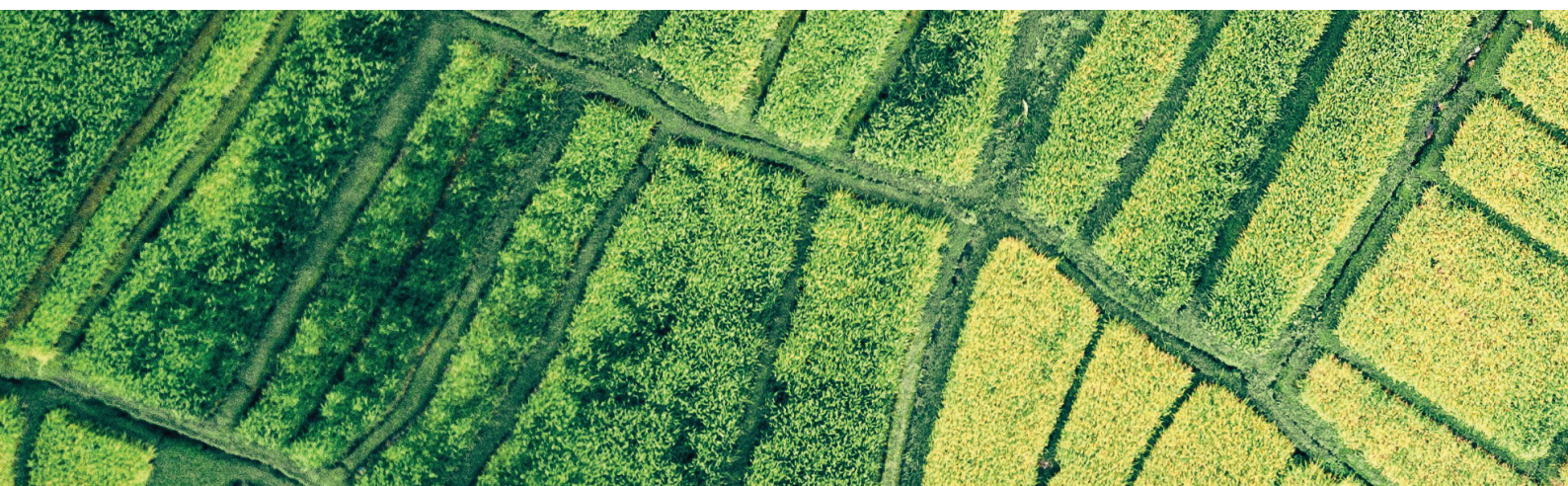
Without our employees, we would not be as successful. Therefore, the quality, sustainability, and safety of our workplaces are of utmost priority. We of course comply with legal obligations and requirements. However, beyond that, hazards, stresses, and risks are regularly identified, assessed, and preventive measures are established. This contributes to continuous

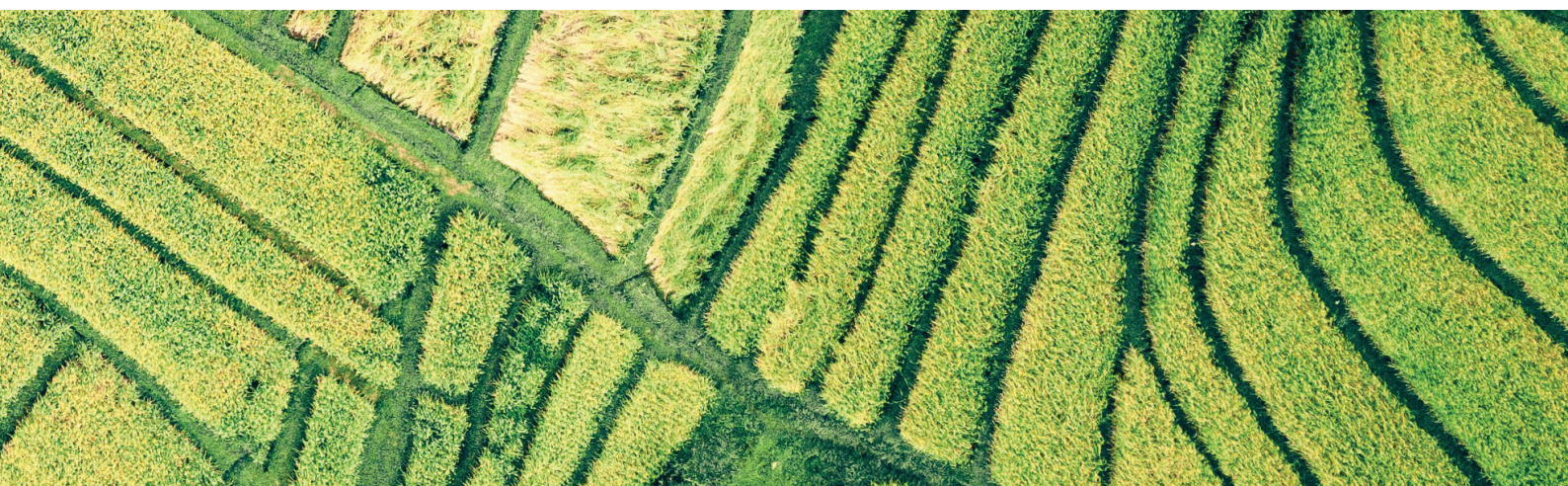
workplace and environmental protection.

The “Max Mothes family” embodies this critical approach to maintaining our quality standards. We rely on dedicated, responsible, and environmentally conscious employees.

Of course, we strictly adhere to legal obligations and requirements. Beyond that, potential hazards, burdens, and risks are regularly identified, assessed, and preventive measures are established. This contributes to continuous occupational and environmental protection.

The “Max Mothes family” embodies this self-critical approach to maintaining our quality standards. We rely on dedicated, responsible, and environmentally-conscious employees.







OUR CONNECTION --- TO THE ENVIRONMENT

The success of Max Mothes is based on satisfied customers and employees, trustworthy business partnerships, a healthy environment, and a peaceful society. Therefore, we aim to keep our ecological footprint as small as possible and have a positive impact on the environment and society. Our sustainability report documents our progress and efforts to optimize our company responsibly and implement eco-friendly solutions.

All production processes, our logistics, and our administration are continuously examined from an ecological perspective and improved where necessary and possible.

7

SUSTAINABILITY

LIVING IT EVERY DAY

SUSTAINABLE PRODUCTION

To reduce CO2 emissions and increase energy efficiency, we use environmentally friendly materials and processes.

RECYCLING

We implement recycling programs for production waste and promote the reuse of materials.

ENERGY EFFICIENCY

We invest in energy-efficient machines and systems, as well as in the use of renewable energy sources.

SUPPLY CHAIN

We select suppliers who act sustainably to make the entire supply chain more environmentally friendly.

PRODUCT LIFECYCLE

We develop products that are durable, reducing the need for frequent replacements and thus minimizing resource usage.

SUSTAINABILITY CERTIFICATION

With certifications such as ISO 14001 (Environmental Management) or similar standards, we demonstrate our commitment to sustainability.

EMPLOYEE TRAINING

We train our employees on sustainable practices and promote environmentally conscious behavior in the workplace.

We ensure

SECURING THE FUTURE

As a globally operating, successful brand with over 100 years of history, we are very aware of our responsibility to the people who work with and for us, to their families, and to our environment.

That is why we aim to continue fulfilling our role as a sustainable, forward-thinking company.

With our sustainability strategy, we ensure the long-term security of our market position, our jobs, and the preservation of our planet.

We contribute to

ENVIRONMENTAL PROTECTION

Through our investments in energy-efficient technologies and processes, we were able to reduce our energy consumption by 20% in the last fiscal year.

Hazardous waste has been minimized, and our energy consumption is 100% ecological and climate-friendly. Our new water reuse system has significantly reduced water consumption, thus preserving local resources.

We contribute to

SOCIAL RESPONSIBILITY

To improve the work-life balance of our employees, we have introduced flexible working hours and enhanced opportunities for working from home. For the health and safety of the people in our company, we have implemented further measures to ensure a safe working environment.

We increasingly conduct training to raise awareness for mindful and thoughtful actions.

In addition, Max Mothes is committed to local community projects and organizations that focus on education, health, and social initiatives.

We contribute to

GROWTH

Max Mothes is gradually increasing efficiency in production and logistics. This reduces our costs and enhances our competitiveness. By continuously entering new markets and developing new products based on our customers' needs, we are able to increase our revenue.

Ultimately, we secure our growth through long-term investments in research and development to remain innovative, successful, and competitive in the future.

We contribute to

CONTINUITY

We remain true to our principles and will continue to pursue a sustainable, social, and open-minded strategy in the future. We can further strengthen our ecological measures, increase our social engagement, and continue our economic development through innovation, diversification, and sustainable growth strategies.



WE WORK --- **TOGETHER**

High-performance fastening technology is the specialty of Max Mothes.

High-performance fastening technology is the specialty of Max Mothes. However, the most important connection is with our over 300 employees worldwide. These motivated, loyal, and dedicated individuals are our greatest asset. That's why our collaboration is built on trust, confidence, support, and responsibility.

We provide safe and modern workplaces, fair salaries, training and development, and great career opportunities.

8

TRAINING AND CAREER

WORKING AT MAX MOTHESES



OUR VALUES

- Innovation
- Sustainability
- Reliability and Commitment
- Fairness and Appreciation
- Responsibility
- Customer Focus



YOUR OPPORTUNITIES

- Modern training and development
- Talent promotion
- Fair, performance-oriented salaries
- Responsible roles
- Specialist or generalist career paths
- Dual study programs and trainee opportunities



OUR WORK ENVIRONMENT

- Motivated, successful teams
- Flat hierarchies
- Modern machinery
- Average age: 47.1 years
- Average years of service: 11.8 years
- Over 100 years of company history



9

CONTACT US

WE ARE AVAILABLE

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