



Company Brochure & Product Portfolio

Strong Performance

MANGOLDT technology delivers high performance in many industrial applications every single day. Our clients, from many different areas of the electrical and electronics industries, rely on MANGOLDT's quality, reliability and economic efficiency in the most demanding applications.

We eagerly meet new challenges for highly specialized requirements of design or production. We enthusiastically engage with customers for both the routine choke needs as well as the highly specialized ones. We are dedicated to putting our complete effort into development, design and production of chokes – made for you.



Reactive Power Compensation

Through compensation of reactive power, electrical energy can be utilized more effectively and more economically. This reactive-power control can also prevent overloads in generators, facilities and machines, as well as in complete power grids.



Regenerative Energy Systems

The world relies upon power electronics in all areas of renewable energies - in wind and solar parks as well as in hydropower plants.



Inverter and Drive Technology

High-performance drives, converters and inverters - e.g. in conveyors, transport technology or in factory and process automation - must permit the most precise control while permanently resisting high stress levels.



Active Filters

Whether in industrial environments or in commercial and office building installations: Active-filter chokes permit safe operation of plants and drives.



Power-Plant Technology

Safe and reliable power supply and balanced power lines are the basis for the proper operation of industrial processes.



Induction Heating

Inductive heat generation for industrial processes offers great savings potentials and control when processing electrically conductive materials.



Audio Frequency Transmission Equipment

Transmitting audio-frequency control signals via power supply grids is an important aspect of electricity distribution. This requires high reliability - as well as safe exclusion of unwanted or false signals.



Charging Systems

Charging systems are becoming more and more important as regeneratively produced energy is often being stored in accumulators. One of the fastest - growing areas of this use is electromobility.



Specialized Products

Highly specialized solutions require, collaboration, consulting and creative development – always with a focused perspective of the application.

Our Products

Due to their high precision and reliability, electrical chokes "made by MANGOLDT" are the standard in the electrical industry. Our MANGOLDT name represents technical sophistication in the design and construction of chokes used in modern technologies such as reactive power compensation, motor drives and renewable energy.

Decades of applications experience and our commitment to customer satisfaction drives our continuous improvements in construction and manufacturing techniques. This results in high performance products that are the best technical and economical solution for our customers and contributes to our success as a market leader in many countries. MANGOLDT products always offer the optimal and most economical solution for our customers!



Air Core Chokes

Effective against switching peaks and inrush currents in reactive compensation and other capacitor systems and in limiting short-circuit currents in downstream industrial equipment.

[> Air Core Chokes](#)

Filter Chokes

Effective protection of detuned and tuned filter circuits against overload from high harmonic levels in medium and low voltage distribution systems.

[> Filter Chokes](#)



Customer-Specific Solutions

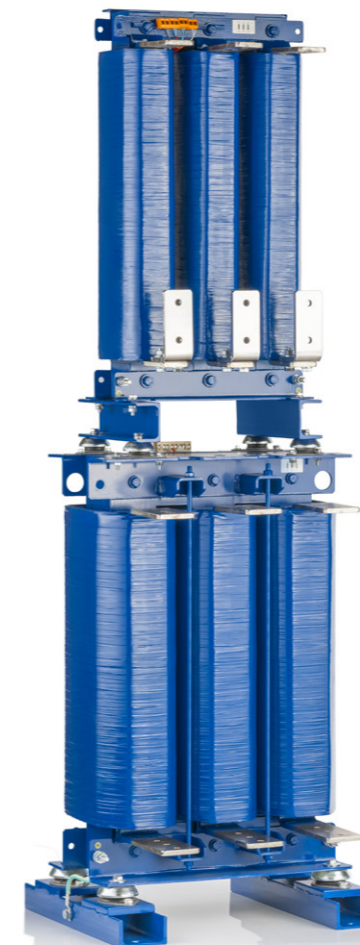
Specialized, high-quality products and solutions, supported by expert knowledge and modern production capabilities.

[> Customer-Specific Solutions](#)

Line Chokes

Effective protection against harmonics and transients in high-performance drive systems.

[> Line Chokes](#)





Tuning Inductors

Higher efficiency and a better signal quality for audio frequency transmission systems due to precise and reliable setting of the inductance.

[> Tuning Inductors](#)



Smoothing Chokes

Highest plant safety thanks to smooth current ramp up for soft-starting converters that switch very high loads for short periods.

[> Smoothing Chokes](#)

Compensation Chokes

Long-lived and highly precise reduction of undesired reactive power.

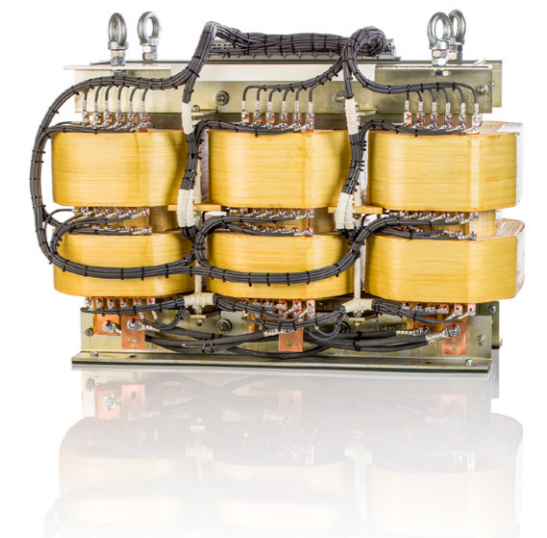
[> Compensation Chokes](#)



Transformers

Efficient and safe energy distribution, offering reliability, durability, and optimal performance.

[> Transformers](#)



Liquid-Cooled Solutions

Compact choke for higher performance, achieved through efficient dissipation of power losses through the indirect water-cooling circuit.

[> Liquid-Cooled Solutions](#)



Enclosed Solutions

Compact, protected designs for diverse applications, ensuring optimal performance and longevity.

[> Enclosed Solutions](#)

MANGOLDT Quality Sets the Standard

Around the world, the MANGOLDT name represents chokes with guaranteed high-performance, high reliability and long-life expectancy. Exceeding our customers' expectations is our daily goal and the basis for not only our long-term customer relationships, but also our quality and environmental philosophy.

Continuous training and growth of our employees is an important part of our corporate culture. To ensure quality products and processes for the good of our customers, we rely on employee competence, proven techniques, and state-of-the-art production equipment at all of our manufacturing sites.

Certified Processes

At MANGOLDT, all processes are uniquely and transparently defined. Certified to all relevant standards and norms, we document our processes and product characteristics into an integrated management system. We continually and consistently implement our processes and always strive for improvement.

Company Certification

The ISO standards are the most prevalent and significant in quality management nationally and internationally

ISO 9001:2015

To continually improve our quality management, MANGOLDT decided years ago to subject our firm to testing and certification pursuant to DIN EN ISO 9001 through ZER-QMS.

ISO 14001:2015

Reactor production is carried out with the utmost importance placed on environmental awareness. All environmentally relevant areas are therefore systematically recorded, studied and continually optimized.



PolyGap® – Your Advantage

MANGOLDT chokes, featuring PolyGap® Core Construction set the standard in the world market with superior efficiency, handling of harmonic currents and maximum durability.

PolyGap® – Guaranteeing a long service life

This superior performance is achieved through our unique design of the magnetic core and air gap. Whereas, typical chokes have only a single or few air gaps, MANGOLDT chokes are engineered with many small air gaps of varying length. The use of small air gaps minimizes the losses and heat associated with harmonics, resulting in higher performance and reliability for a longer lifetime.

Especially for large harmonic currents and high frequencies, PolyGap® improves the control of the magnetic flux, decreases stray magnetic fields to an absolute minimum, reduces audible noise and temperature rise and avoids undesirable power loss, especially due to harmonic frequencies. Additionally, it tends to make our choke power losses and audible noise lower than typical chokes produced by others in the marketplace.

Competence and Experience Since 1941

MANGOLDT develops and manufactures application-specific chokes in either iron core or air core construction that ensure the highest safety and efficiency in electrical systems throughout the world.

Our customized solutions are the benchmark in many areas of the electrical industry. They offer valuable benefits for our clients - from international market leaders, energy suppliers, to highly specialized technology companies and service providers.

Innovative,
certified technology
for global use

We strive to maintain long-term business relationships with our customers for our mutual success. The key to these long-term relationships is our focus on providing timely and reliable products from our experienced and professional employees in all departments especially from engineering, production, testing, quality control and product shipping.

MANGOLDT has produced components for use in electrical engineering since 1941. Today, we act on a sustainable growth course around the world with sites in Germany, East Asia, and India. We continue our long tradition of electrical equipment production now under the umbrella of the global leader, the Reinhausen Group, headquartered in Regensburg, Germany.



Global Presence



Internationally, MANGOLDT, and our high-performance products are known for quality and reliability.

Our technical, sales and service teams work hand in hand across several continents at our sites in Germany, Taiwan, India, and USA. We consider diversity and cultural differences to be welcome challenges with great potential for success.

Our mind is firmly set on customer satisfaction and mutual growth.

Our strong network, made up of our production sites, suppliers, and technical offices are here to serve our customers and create a trustworthy relationship. We act flexibly and safely at all times using our experience and understanding of your needs to ensure the highest level of service.

Headquarters Aachen

The MANGOLDT headquarters in Aachen has been our home since 1948 and continues to be the technology center for our group of companies.

In particular, product innovations – such as our chokes with liquid cooling – are developed and produced here.

Advanced
manufacturing techniques

Product development, engineering, product sales, and quality management for the entire group are organized and controlled from Aachen.



MANGOLDT

Since 1941

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