



Highly Efficient Surface Treatment Systems

First Class,
Sustainable Steel
Products



KALTENBACH

POWERFUL SOLUTIONS - PASSIONATE PEOPLE

 www.kaltenbach.com



■ POWERFUL SOLUTIONS - PASSIONATE PEOPLE

Sawing, drilling, thermal cutting, shot blasting or painting - working with steel means creating for the future. With more than 135 years of experience, Kaltenbach is one of the leading companies in high-quality steel processing and conservation equipment, worldwide.

Creative and innovative solutions to enable the quality of your steel products. Durable and robust. Sustainable equipment with considerable savings on energy and consumables and low costs of ownership. Special attention is given to a safe, healthy and pleasant working environment.

Our passionate teams have worked for years to create and optimize products that give you a competitive advantage in your business.



Highly Efficient Surface Treatment Systems First Class, Sustainable Steel Products

Surface treatment makes materials durable. Since 1922, the Gietart brand stands for highly sophisticated shot blasting and painting systems to uphold the quality of your steel products. Since 2009 the Gietart brand is a part of the Kaltenbach portfolio.

Every day, our enthusiastic team of professionals works to enhance the durability and reliability of surface treatment in all facets. Our long-term expertise and drive for innovation are continuously used to reduce the costs of ownership, improve insight into the process and simplify the operation of surface treatment solutions.

Next to our well-known shot blasting and painting installations for profiles, plates and complete constructions, our scope also covers logistic, control and information systems.

Our software, machinery and skilled service and spare parts department makes it possible to install and run your machine with high uptime and low cost of ownership.

As a trendsetter and technology leader, Kaltenbach is setting standards in the industry, especially in the areas of innovation and sustainability, including an attractive and functional machine design.

■ We enable the quality of your steel!



EXCEPTIONAL RELIABILITY AND MAXIMUM UPTIME

Our systems are characterized by an outstanding and industry leading durability. The robust and reliable design allows extraordinary operating times, even with the most intensive loads.



SUSTAINABLE SOLUTIONS

Our systems are designed to be robust, energy friendly and require little maintenance. This enables a long service life with minimal wear and tear.



LOW COST OF OWNERSHIP

Thanks to our efficient machines, your products will be produced with low and optimized energy consumption, minimal use of consumables, and reduced maintenance costs. The result: high-quality steel products made for your low cost of ownership.

Highly Efficient Surface Treatment Systems

DEVELOPED FOR STRONG PERFORMANCE

Rust. Mill scale. Impurities. Before steel is fit to be processed, it has to be cleaned. With over a century of experience, Kaltenbach | Gietart is the leading, innovative expert for steel surface treatment, with exceptionally reliable, high-quality shot blasting and conservation equipment.

High-End Blasting Process

Cleaning of steel, in this case shot blasting, is carried out by hurling shot, such as small metal balls or cut wire, against the product at a velocity of approx. 80 m/sec. With our unique Gietart high performance turbines we are able to design a remarkably effective blasting pattern with significant impact. The well proven construction with its triple layer housing ensures an high stability and a long lifetime of the entire system.

Innovative Painting Technology

Our painting systems are characterized by maximum economy, thanks to reduced throughput times and paint consumption, as well as considerable space saving, because of minimized drying times.

Automated Painting Process

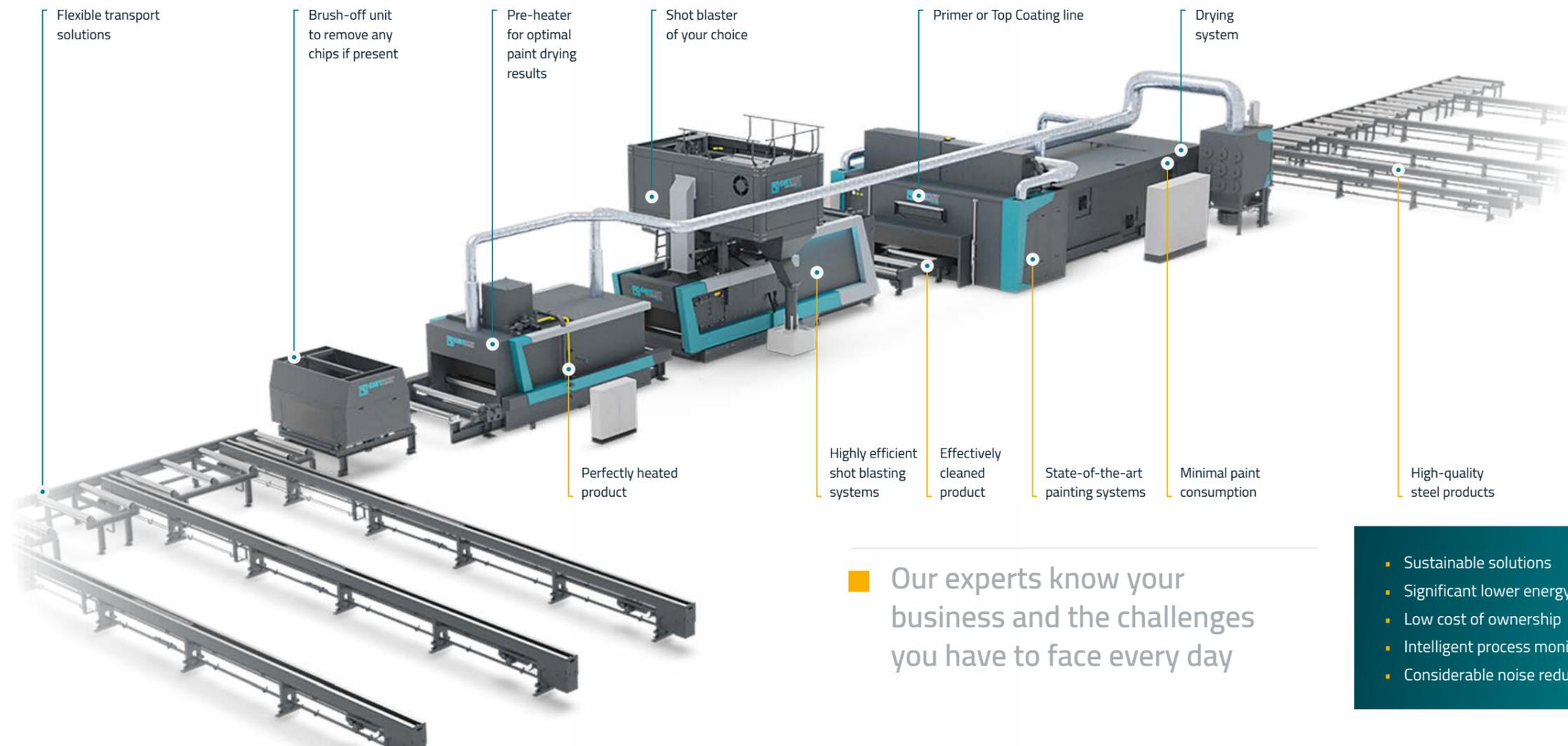
The leading systems in the market for automated continuous coating systems for steel parts. Our cutting-edge technology enables you to work with highly cost-effective, sustainable solutions in combination with a precise coating technique. Innovative equipment which offers you energy-efficient and resource-saving products, characterized by consistent paint layers, limited overspray and short drying times.

Energy Saving Systems

In all steps of the shot blasting, painting and coating process, important energy saving elements have been integrated.

Our drive and pride is to protect and guarantee the quality and durability of your steel products. Every day, we continue to improve sustainability and reliability in all aspects.

■ Total design consultancy and customized solutions



■ Our experts know your business and the challenges you have to face every day

- Sustainable solutions
- Significant lower energy consumption
- Low cost of ownership
- Intelligent process monitoring and control
- Considerable noise reduction

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GIETART SHOT BLASTING SYSTEMS

Front-running steel surface treatment, combining innovative expertise with reliable, high-quality shot blasting solutions for every application

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GIETART PAINTING SYSTEMS

The leading systems in the market for automated continuous coating of steel parts

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With our high-performance lines and special machinery, we know how to increase your efficiency and productivity.



MAXIMUM CLEANING POWER IN MINIMAL SPACE



Particularly suitable for single profiles and tubes

- Placement on the floor - standard
- Small and slim footprint, compact system
- Reliable and durable, high-quality blasted products
- Superior performance at low cost of ownership
- User-friendly system, easy to maintain
- Equipped with 6, 9 or 12 m | 20, 30 or 40 ft transport system

Typically used by all types of steel processing companies

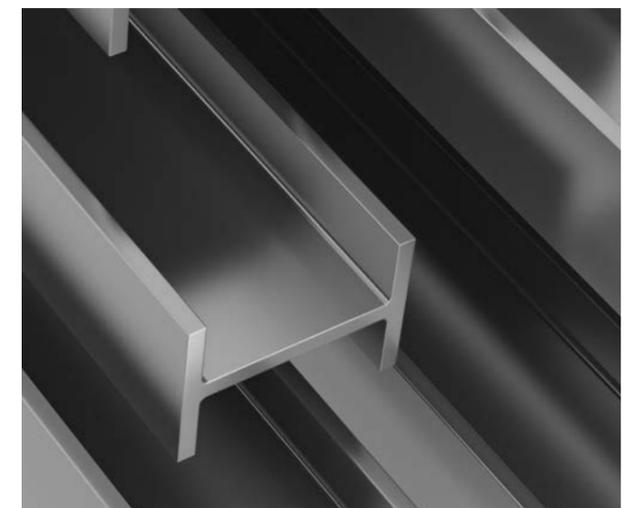
This compact shot blasting system is designed for cleaning single profiles and tubes. If you require additional capacity or greater production flexibility, this machine is an excellent choice for your business. It also serves as the ideal solution to combine with a single saw-drill line or a coping robot.

Max. workspace, 600 x 300 mm | 24" x 12"
Number of turbines: 4
Suitable for a throughput up to 7,500 tons

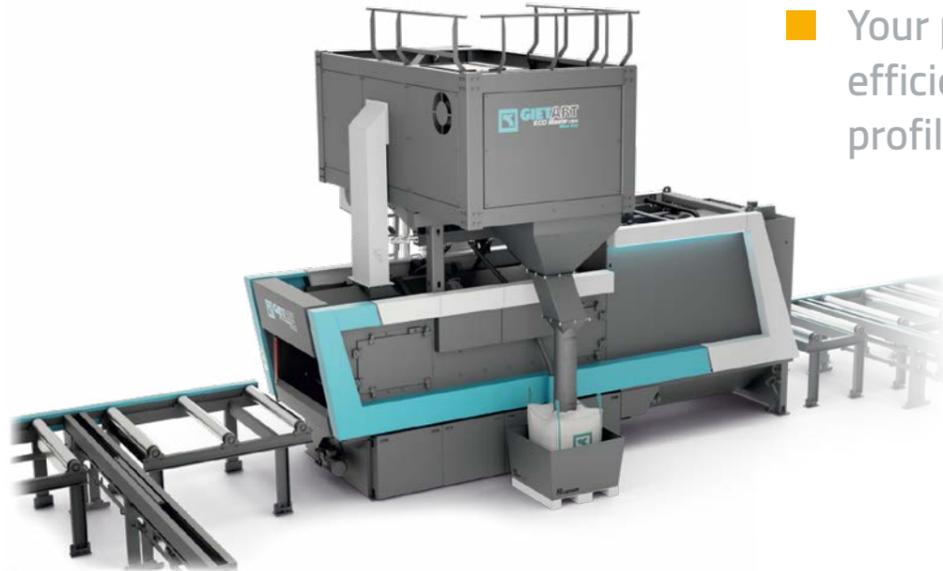
BENEFITS AT A GLANCE

- The ideal solution to combine with single saw drill and coping line
- Suitable for single beams up to 600 mm | 24" width and multiple smaller products
- Thoroughly cleaned steel surface
- Easy handling
- Optimal transport possibilities
- No foundation work needed

H T L U - O □



OPTIMAL SHOT BLASTING RESULTS, LOW RUNNING COSTS



■ Your perfect companion for efficient cleaning of plates, profiles and tubes

- Space-saving machine design
- Filter integrated in upper construction
- Integrated noise protection < 80dB
- Quick installation and commissioning
- Fully automatic system
- Clean, modern appearance

Typically used by steel trade and construction companies

The ultimate fast mover of Gietart's successful shot blasting program. This cost-effective, compact system will bring you a fast pay-back time, even if you are not running 5 day 3 shift operations at this moment. With its durable construction and high-quality blasting process, you will be able to produce a wide variety of first class steel products.

Max. workspace, from 1,500 to 3,200 x 600 mm | 59" to 118" x 24"
Number of turbines: 4, 6 or 8
Suitable for a throughput up to 20,000 tons

BENEFITS AT A GLANCE

- ▶ Highly efficient, cost effective and competitive system
- ▶ Optimal blasting and cleaning results
- ▶ Reliable and durable, high-quality end products
- ▶ Superior performance at low cost of ownership
- ▶ User friendly system, easy to maintain
- ▶ Extendable with various transport systems

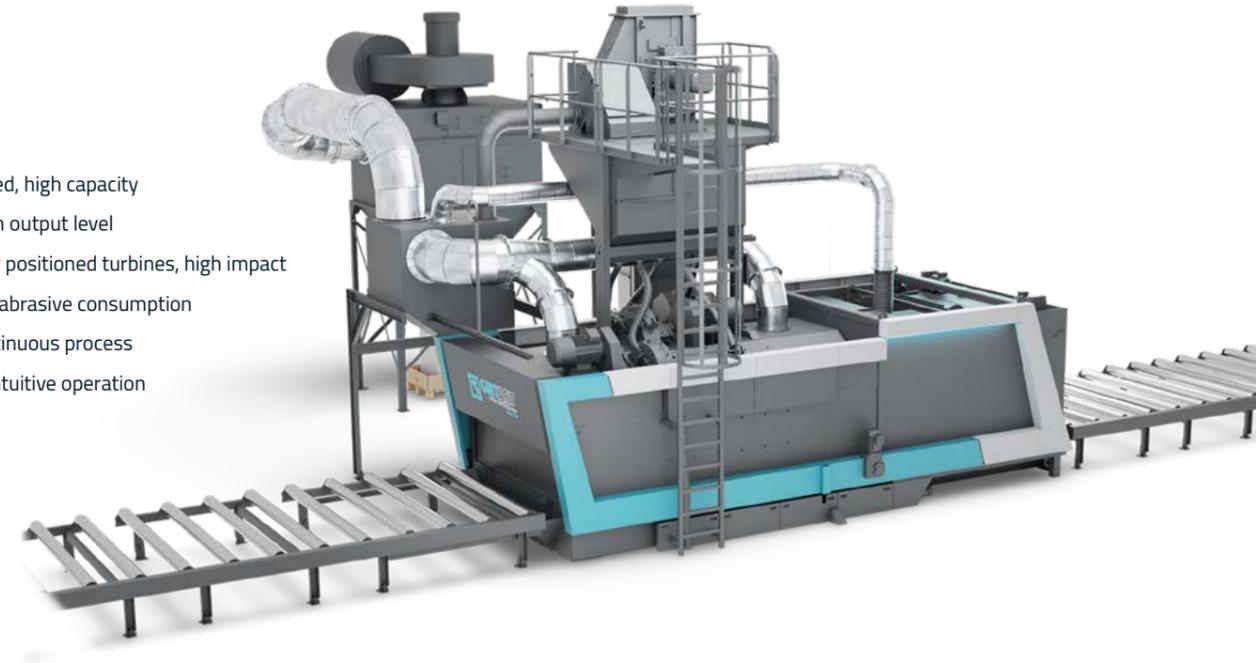
H T L U - O □



IDEAL FOR HIGHER SPEEDS AND LARGER QUANTITIES

■ Powerful shot blasting system for cleaning plates, profiles and tubes

- High speed, high capacity
- Maximum output level
- Optimally positioned turbines, high impact
- Effective abrasive consumption
- Fully continuous process
- Simple, intuitive operation



Typically used by larger steel traders or steel fabricators, working multiple shifts, and by rolling mills

Designed for more demanding work, the Gietart high speed range is ideal to upgrade your loading and capacity. In case of higher speeds and larger quantities, together with maximal performance, the High Speed Blaster is the machine you need.

Max. workspace, from 1,500 to 4,100 x 600 mm | 59" to 161" x 24"
Number of turbines: 6 or 8
Suitable for a throughput up to 50,000 tons a year, or more

BENEFITS AT A GLANCE

- ▶ High loading and blasting capacity
- ▶ Suitable for multiple shift operations
- ▶ Reliable in realizing the maximum speed
- ▶ Unique energy saving concept
- ▶ Low emission values
- ▶ Flexible logistic solutions

H T L U - O □



■ Versatile systems for cleaning your steel products

PERFECT FOR BLASTING WELDED STEEL CONSTRUCTIONS



- Optimal positioning of turbines
- Low running costs
- Easy to clean
- Flexibility in abrasive recovery solutions
- Customer specific in- and outfeed tunnels
- Many value adding options

Typically used in many steel construction companies, such as manufacturers of bridges, truck chassis or in the construction of cranes
 Challenge us to improve the quality of your steel constructions. Our long-time experience has shown that together we will find the best solution. Thanks to our unique turbine configurations, you can be assured that all difficult areas of the construction will be cleaned. For optimal performance, the machines can also be applied for cleaning plates, profiles and tubes.

Max. workspace, from 1,500 x 800 to 3,000 x 1,600 mm |
 from 59" x 32" to 118" x 63"
 Number of turbines: 8 or 10
 Capacity depending on shape and weight of parts

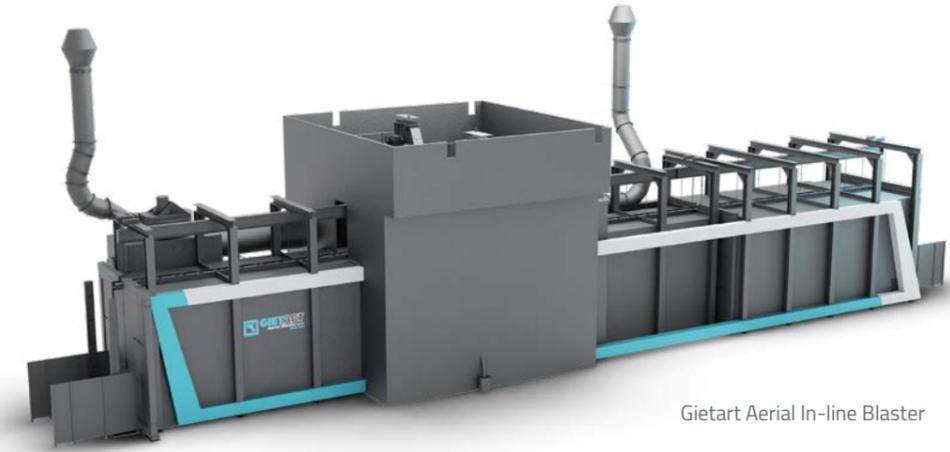
BENEFITS AT A GLANCE

- Especially developed for welded steel constructions
- Perfectly cleaned end products
- Optimum recirculation of used abrasive
- Option HE version: high entry, for large steel constructions
- Option HD version: heavier turbines, higher impact, double speed
- Also available with significant energy saving option



■ Constructed to meet your individual needs

HIGH FLEXIBILITY WITH CUSTOMIZED MONORAIL BLASTERS



Gietart Aerial In-line Blaster



Gietart Aerial Spinner

Gietart Aerial Spinner Transfer

- Specially developed turbine positions, adapted to the product
- Custom specific solutions, based on proven systems
- Suitable for constructions from 10 cm to 6 m and larger
- Perfectly adapted to your existing monorail system
- User friendly system, easy to maintain
- Low cost of ownership

Typically used by manufacturers of agricultural and building equipment, as well as coach and trailer builders
 With one of our unique Aerial Blasters, you benefit from an innovative solution for cleaning all kinds of steel constructions before painting or coating. With this system, you will buy a perfect combination of high flexibility, optimal productivity and excellent end products.

Especially designed for flexible construction parts
 Constructed to meet your individual needs
 Capacity depending on shape and weight of parts

BENEFITS AT A GLANCE

- Unique turbine configurations for welded steel constructions
- Optimal blasting and cleaning results
- Ideal interface combination with existing monorail systems
- In line with monorail painting system
- Extendable with various transport systems
- Meeting the latest requirements in the field of safety



CONSISTENT PREHEATING FOR OPTIMAL COATING RESULTS



- Shorter drying times
- Improved paint adhesion, high-quality coating results
- Stable and consistent process conditions
- Energy savings through heat recovery
- Significantly reduced heating costs
- Ideal for high-throughput, cost-focused production

Preheater for Gietart Primer and Top Coating Systems

The Gietart Preheater brings steel beams, plates and tubes to the right temperature and drying condition before wet coating. This stabilizes the coating process, improves adhesion, reduces defects and shortens drying times. In automatic spray lines – where reliability and repeatability are essential – the Preheater creates the ideal conditions for consistent, high-speed production. Energy-efficient heating and intelligent heat recovery help reduce operating costs while supporting a more sustainable coating process.

Max. workspace, from 1,500 to 4,100 x 600 mm | 59" to 161" x 24"
Number of burners: 2, 4 or 6
(depending on capacity and temperature increase)

BENEFITS AT A GLANCE

- Precise temperature control for consistent results
- Automatic heating activation based on chamber temperature
- Minimal exhaust losses through integrated heat recycling
- Reusing heat for after dryer delivers substantial energy savings across the painting line
- Option for gas or electrical heating systems
- Compact, robust design suitable for any coating line



COMPLETE PAINTING IN A SINGLE PASS



- Perfect combination with your Gietart ECO Blaster

- High quality standards
- Minimum overspray by unique airless spray guns
- Consistent coating application
- Energy efficient system
- Short drying times
- Economic use of material

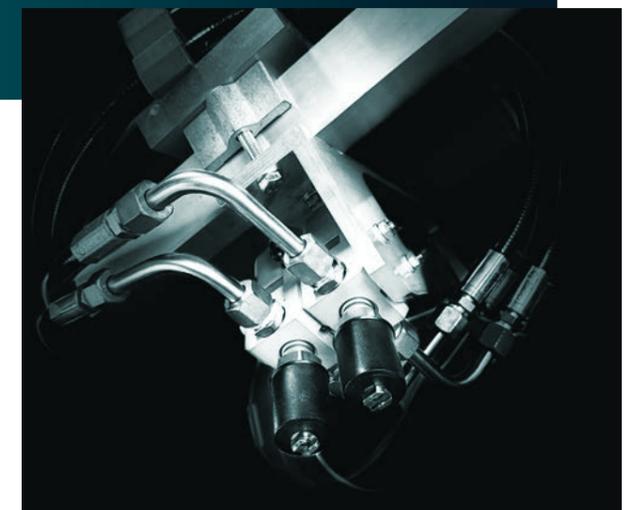
Developed to protect your products, our cost-effective, sustainable solutions for painting and drying. The Gietart ECO Primer range takes care of complete material painting in one single movement. Smart solutions in respect of paint consumption, drying times and maintenance, enable you to enjoy a competitive cost of ownership with this system.

Max. workspace, from 1,500 to 3,200 x 600 mm | 59" to 118" x 24"
Number of spray guns: 4 (optional 8)
Delivery including energy saving and fully insulated pre-heaters
Unique mixing and filtering systems

BENEFITS AT A GLANCE

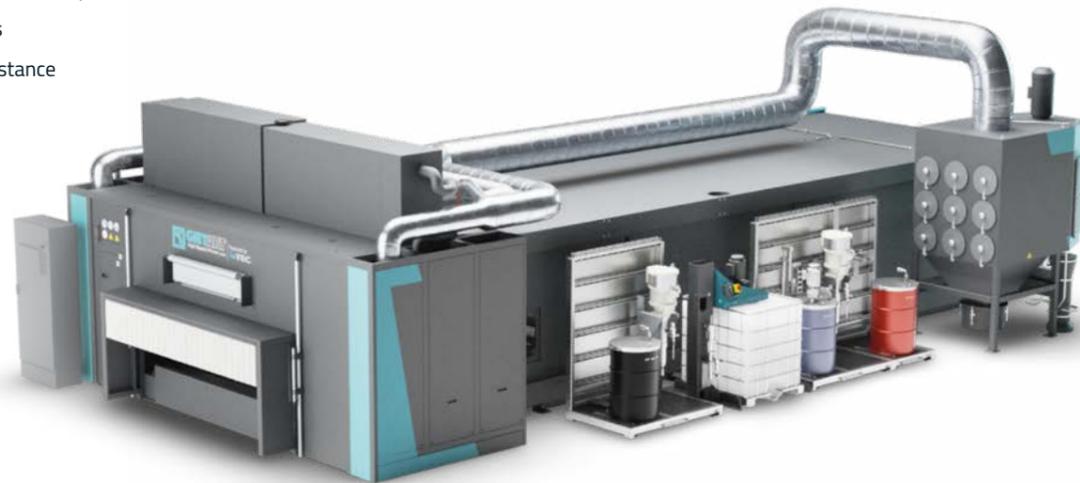
- Optimal pre-heating, painting and drying results
- Suitable for water and/or solvent based paints
- Highly efficient, cost effective and competitive system
- Sensor driven system for painting various types of steel products
- Optimal interface between shot blasting and painting system
- Extendable with VOC air treatment systems

H T L U - O □



HIGHLY EFFICIENT PAINTING AND DRYING SYSTEMS

- Pre-heating, painting and drying in a very short time
- Suitable for multiple shift operations
- Quick change of paints possible
- Minimum paint consumption
- Safe processes
- High-tech assistance



- Committed support and professional advice

The painting power beast in our portfolio, contact us for more information about this high capacity system

Ideal for pre-heating, painting and drying large quantities of steel products in a very short time. Thanks to a sophisticated spray gun concept, your paint consumption will be limited to a minimum. Multiple air flow loops take care of a highly energy and time saving drying process.

Max. workspace, from 1,500 to 4,100 x 600 mm | 59" to 161" x 24"
Number of spray guns: 8
Delivery including energy saving and fully insulated pre-heaters
Unique mixing and filtering systems

BENEFITS AT A GLANCE

- High loading and painting capacity
- Suitable for water and/or solvent based paints
- Reliable and durable, high-quality end products
- Easy to clean system, thanks to laminated and teflonized interior
- Optimized filter system, clean air
- Test possibilities available

H T L U - O □



- Sustainable and resource-saving products

FINAL PAINTING SYSTEM FOR CUSTOMIZED STEEL PROFILES AND STEEL CONSTRUCTIONS



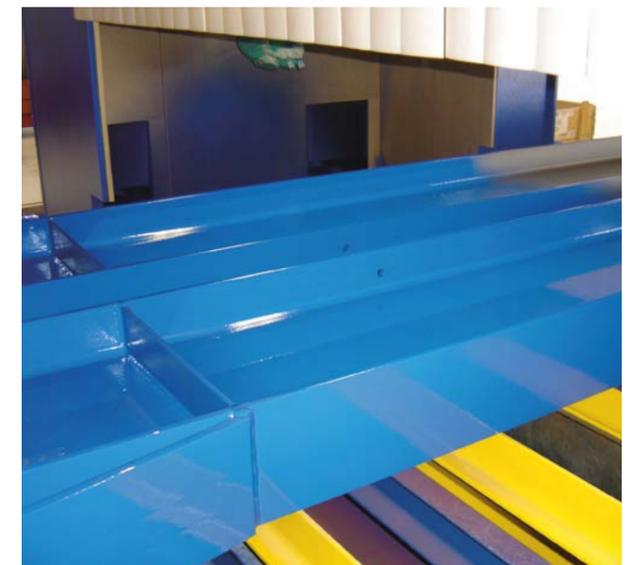
- High flexibility
- Unique 3D scanning system
- Short drying times
- Limited space requirements
- Considerable savings on gas consumption
- Easy maintenance

Do you want to supply an attractive, finished product to your customer? We are able to deliver high-end, automatic spray painting solutions for the top coating of steel constructions. The parts are painted fully automatically with exceptional precision, without wasting any paint.

Max. workspace, from 1,500 to 3,000 x 800 mm | 59" to 118" x 32"
Number of spray guns: 12 (optional 24)
Special spray gun arrangements for welded steel constructions
Available with unique 3D scanning system for painting various forms interchangeably

BENEFITS AT A GLANCE

- Thickness of paint layer easy adjustable
- Suitable for water and/or solvent based paints
- Various spray gun configurations
- Minimized cleaning times
- Completely integrated control systems
- Possibility for various transport systems



Top Option Packages

A SELECTION OF GIETART'S TOP OPTION PACKAGES

Appealing option packages to optimize your shot blasting and painting lines



Blue line

A most sustainable edition

YOUR PACKAGE

- Up to 25% reduction in power usage
- Smart operating system



Tuned

Optimized solution for 25% more output

YOUR PACKAGE

- Additional power for each turbine
- Up to 25% more blasting capacity



Wear Resistant

Additional uptime/less maintenance costs

YOUR PACKAGE

- Enhanced lifetime capabilities up to 200% of wear resistant components
- Minimalization of maintenance time and costs



Industry 4.0

Creating valuable information on process optimization

YOUR PACKAGE

- Immediate insight into your operation costs
- Maximum uptime of your machine

To discover how these options can elevate your operation, reach out to our experts for all additional information and conditions - they will be ready to guide you.



WHERE YOUR REQUIREMENTS BECOME OUR DESIGN

As experts in automated roller conveyor shot blasting, Gietart delivers solutions built around your production needs. Our customized configurations go beyond the standard to give you exactly what your workflow demands. From extra-wide plates to heavy constructions and small cut parts, we engineer the perfect fit. Whatever the challenge, Gietart provides a configuration that elevates your performance.



Custom-designed for innovative surface treatment

BENEFITS AT A GLANCE

- Designed around your specific requirements
- Flexible and scalable configurations
- Custom-built solutions based on proven Kaltenbach technology
- Reliable and durable machine performance
- Full compatibility with other Kaltenbach products
- Excellent cleaning results and process consistency
- Compliant with the latest international safety standards

SUITABLE FOR

- Heavier workpieces
- Wider materials
- Higher profiles or constructions
- Smaller components

Markets

AT HOME IN YOUR INDUSTRY

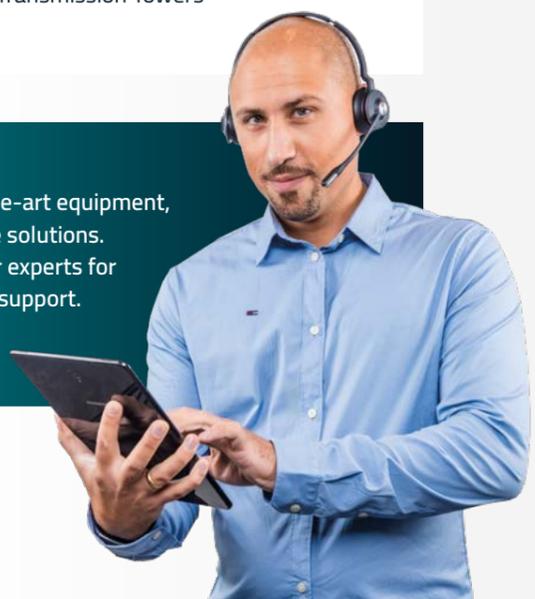
Process innovation, cost reduction, a safe and healthy environment are key elements in the various branches of steel processing. Kaltenbach has an in-dept knowledge of the challenges you have to deal with, worldwide.



MARKETS

-  Automotive
-  Bridge Building
-  Crane Building
-  Locksmith's Shops
-  Machine Construction
-  Metal Construction
-  Ship Building
-  Steel Fabrication
-  Steel Service Center
-  Structural Engineering
-  Surface Treatment Service Center
-  Transmission Towers

State-of-the-art equipment, sustainable solutions. Contact our experts for advice and support.



SMART MOVEMENT, STRONG PERFORMANCE

- Fully automated processes
- Efficient material handling
- Optimization of operational efficiency
- Solid welded constructions
- Various loading / unloading possibilities

Process more orders at considerably lower costs



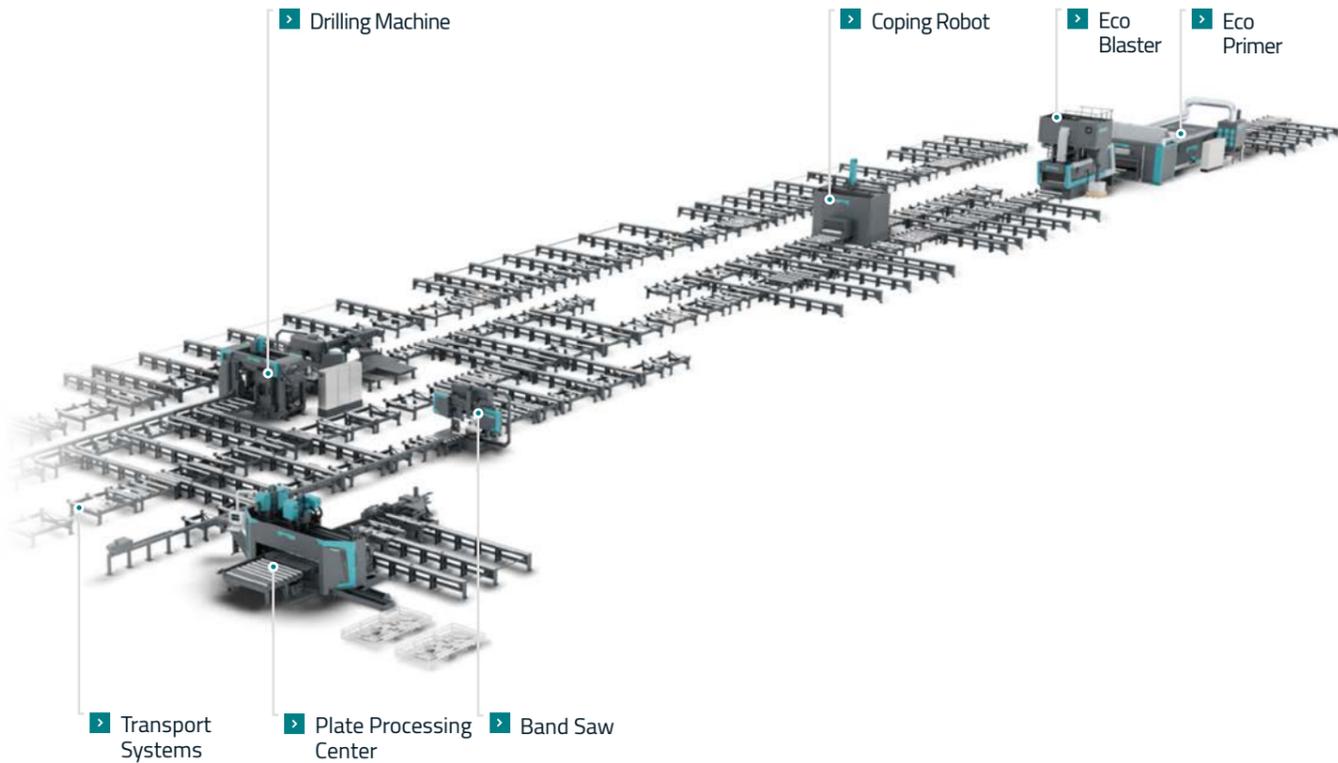
Designed to enable an optimal process flow, resulting in exceptionally efficient material processing in your production area.

BENEFITS AT A GLANCE

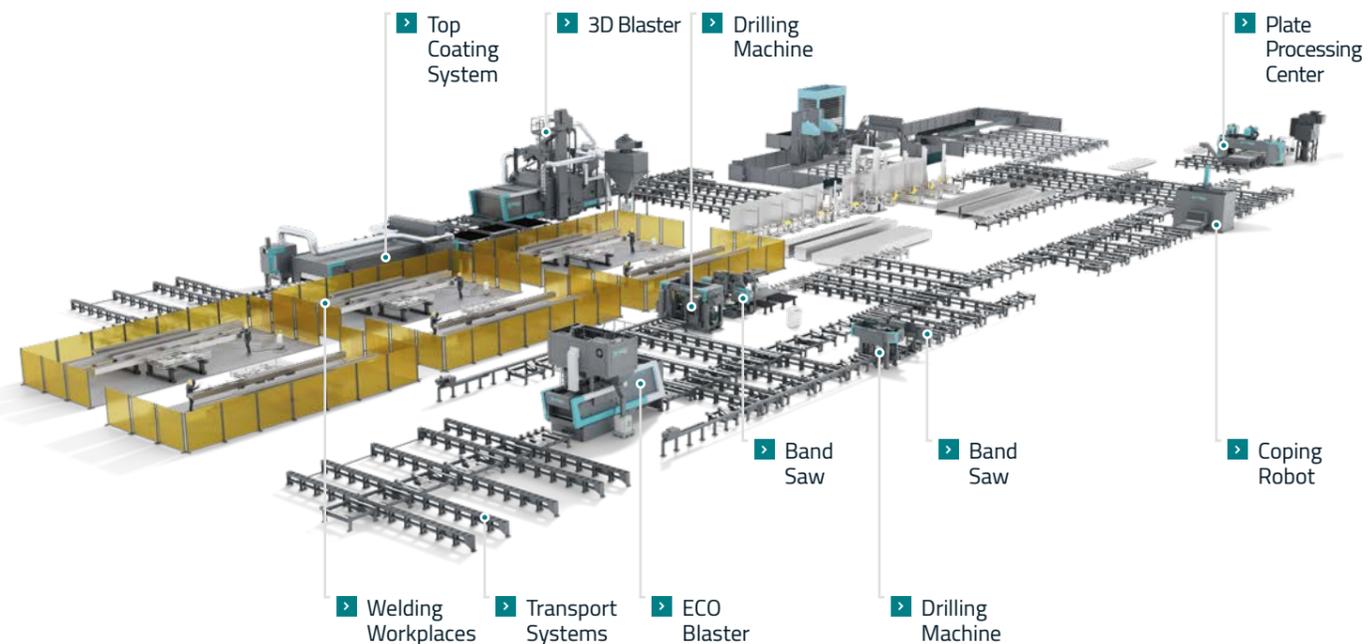
- > Robust and durable design for long-term use
- > Simple and stabile assembly for reliable operation
- > Optimized chain tension for smooth and efficient performance
- > Easy installation with reduced risk of malfunction
- > Clean, modern look in a space-saving design



HIGH-PERFORMANCE PRODUCTION LINE FOR STEEL SERVICE CENTERS (Application example)



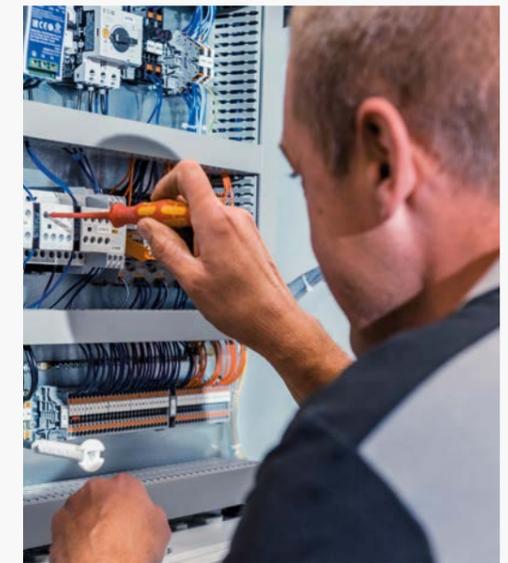
COMPLETELY CUSTOMIZED SET-UP FOR STEEL FABRICATORS (Application example)



Automation

AUTOMATED SOLUTIONS FOR EACH LEVEL OF REQUIREMENT

Process optimization and a wide range of automation possibilities enable an individual adjustment of production and transport processes, according to your requirements. From unique machine software to complete management information systems, Kaltenbach will be your system supplier. Please get in touch, anytime!



INTELLIGENT AUTOMATION POSSIBILITIES

- Creating valuable information on process optimization
- Digital tracking and visualization of material in production
- Complete management information on performance of the machine (uptime, energy consumption etc.)
- Pro-active information on need for service and spare parts
- Pro-active management of quality/material flow
- Automated infeed/outfeed, transport and storage

BENEFITS OF AUTOMATION

- Low staffing requirements up to low staffed shifts
- Faster material transport for higher tonnages
- Full transparency about material position and production progress



Service

OPTIMAL AVAILABILITY AND PERFORMANCE

With 135 years in business, we are the experts in steel processing and surface treatment. Our custom made service solutions guarantee that you benefit from an optimal performance, availability and continuous high quality output of your investment.

■ EXCELLENT PREVENTIVE MAINTENANCE PACKAGES

Maximum uptime can be ensured thanks to our excellent preventive maintenance packages. Together with you, our skilled engineers will keep your equipment up to date, improve your process efficiency and give advice to meet new market demands.

■ ADVANCED PROCESS MONITORING SYSTEMS

With the help of advanced process monitoring systems, you will get a clear insight in your machine performance, and preventive maintenance can be planned in time.



■ PROFESSIONAL HELPDESK

For fast and immediate assistance, you can rely on our help desk. Spare parts and assistance will be quickly on site, whenever and wherever needed.

■ ORIGINAL SPARE PARTS AND STARTER KITS

Original spare parts stand for optimum efficiency, higher uptime and a longer service life of your machine. In order to safeguard production continuity and short down time, you can make use of various starter kits. In that case you will have all parts you need on stock.

■ FIRST CLASS ASSISTANCE ON SITE

Knowledge, experience and a passionate commitment to support our customers in the best possible way is what makes our service strong. Together, we will explore the optimal manufacturing methods for your products.

■ EFFECTIVE TRAINING

Taylor-made training programs will improve the productivity of your machine, as well as the skills of your employees.



GET IN TOUCH WITH OUR SERVICE DEPARTMENT!

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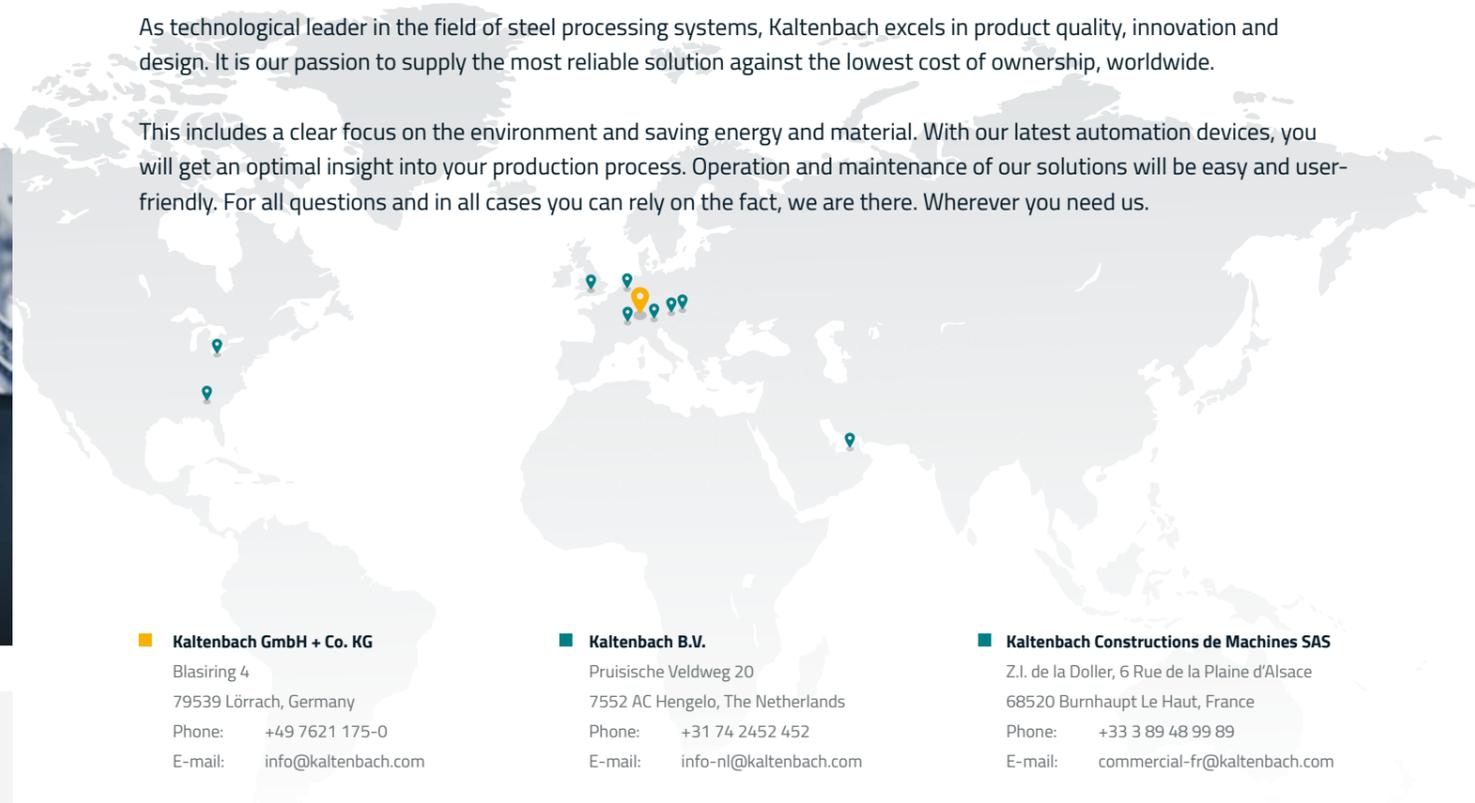
Or check www.kaltenbach.com

Contact Us!

WE ARE THERE – WHEREVER YOU NEED US

As technological leader in the field of steel processing systems, Kaltenbach excels in product quality, innovation and design. It is our passion to supply the most reliable solution against the lowest cost of ownership, worldwide.

This includes a clear focus on the environment and saving energy and material. With our latest automation devices, you will get an optimal insight into your production process. Operation and maintenance of our solutions will be easy and user-friendly. For all questions and in all cases you can rely on the fact, we are there. Wherever you need us.



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www.kaltenbach.com



Be convinced by 135 years of experience.

With 135 years of experience in steel processing and surface treatment, Kaltenbach is able to meet the challenges of a constantly changing global market with relentless innovation, high-quality process systems and outstanding machine design.

Sustainable, efficient, safe and reliable. Our production lines and machines offer the right solution for every requirement. Benefit from our industry expertise and create added value – every day.

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