

**Top level sawing
High-end steel and
aluminium products**

**Fully and semi-
automatic universal
sawing machines**



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 guarantee the quality of your steel products. Durable and robust. Most environmentally friendly machines, with considerable savings on energy and consumables and best 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.



Top level sawing High-end steel and aluminium products

Steel processing stands for the fabrication of new long lasting structures. While producing such durable materials and products, you will need the most powerful and reliable machines.

From locksmith's shop to steel construction, from bridge building to automotive industry. Our enthusiastic team of professionals knows your business and the challenges you have to face every day. Many years of experience and high innovation rates enable us to set the standard in the industry, especially in the areas of sustainability and cost effective processing. As a trend setter and technology leader, we are able to supply premium quality solutions, combined with an attractive and functional machine design.

Our product ranges bring total solutions and special machines for sawing, drilling, plate processing, punching and shearing, as well as coping robots, including logistic and control systems. Powerful, highly versatile systems, whereby quick return on investment is made possible by means of a high level of performance and productivity.

Our software, machinery and skilled service and spare parts department enable to install and run your machine with the highest uptime and lowest cost of ownership.

■ Cutting-edge sawing technology



EXCEPTIONAL RELIABILITY AND MAXIMUM UPTIME

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



MOST ENVIRONMENTALLY FRIENDLY SOLUTIONS

Our systems are designed to be robust, energy friendly and require little maintenance. This ensures a long service life, with minimal wear and tear. Your products will be produced with most durable constructions, including significant energy saving possibilities.



LOWEST COST OF OWNERSHIP

Thanks to our efficient machines, your products will be produced with the lowest possible energy consumption, a minimum usage of consumables and reduced maintenance costs. High-quality steel products made at the lowest cost of ownership.

High performance sawing systems

PERFECT ALLROUNDERS AND FULLY AUTOMATIC CIRCULAR SAWS

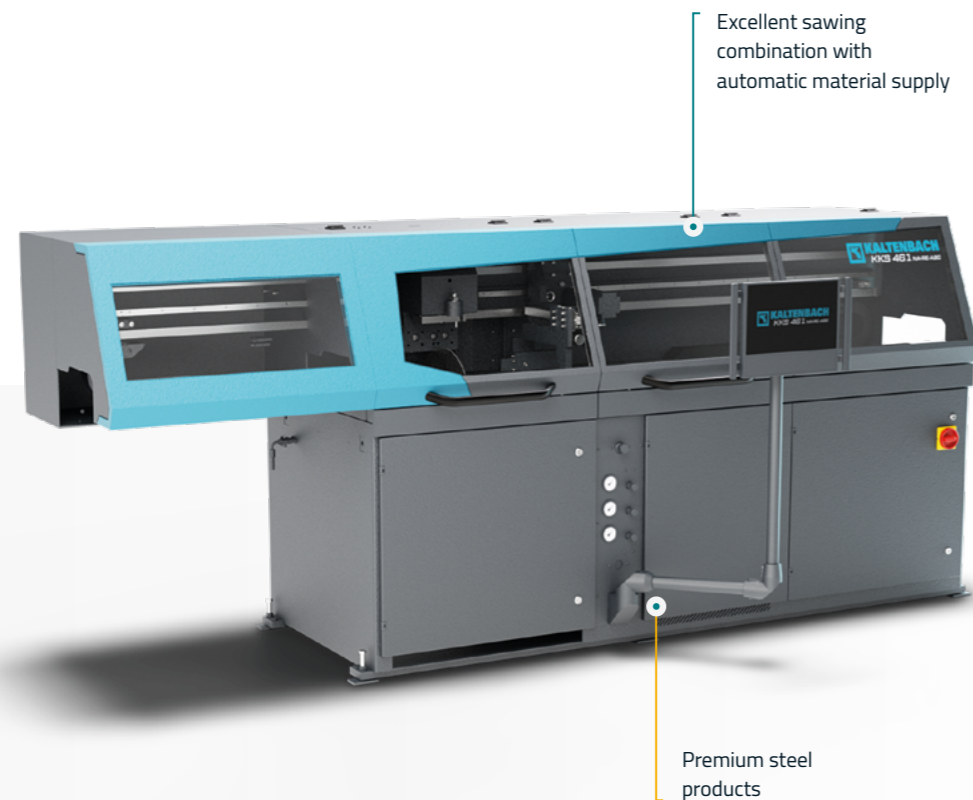
Reducing cutting times in steel or aluminium processing while ensuring an unrivalled quality. You can do it with our KALTENBACH circular saw machines. Thanks to their automatic and semi-automatic systems you will achieve a perfect bonding, cutting and opening.

High-performance, thin-section sawing systems, specifically designed for your business. Contact us for all interesting details!

EXCELLENT MACHINES FOR MAXIMUM PERFORMANCE

For highly efficient processing of flat, angular and solid material as well as tubes, choose **KALTENBACH's Fully automatic universal mitring circular saws.**

Material feed as well as positioning to the desired cut lengths is carried out fully automatically. Operations can be carried out with less staff or via a fully unmanned sawing cell. With their superior cutting performance, low maintenance design and minimal running costs, you will find the best solution suited to your process.



The KALTENBACH Semi-automatic universal mitring circular saws are world's most reliable allrounders

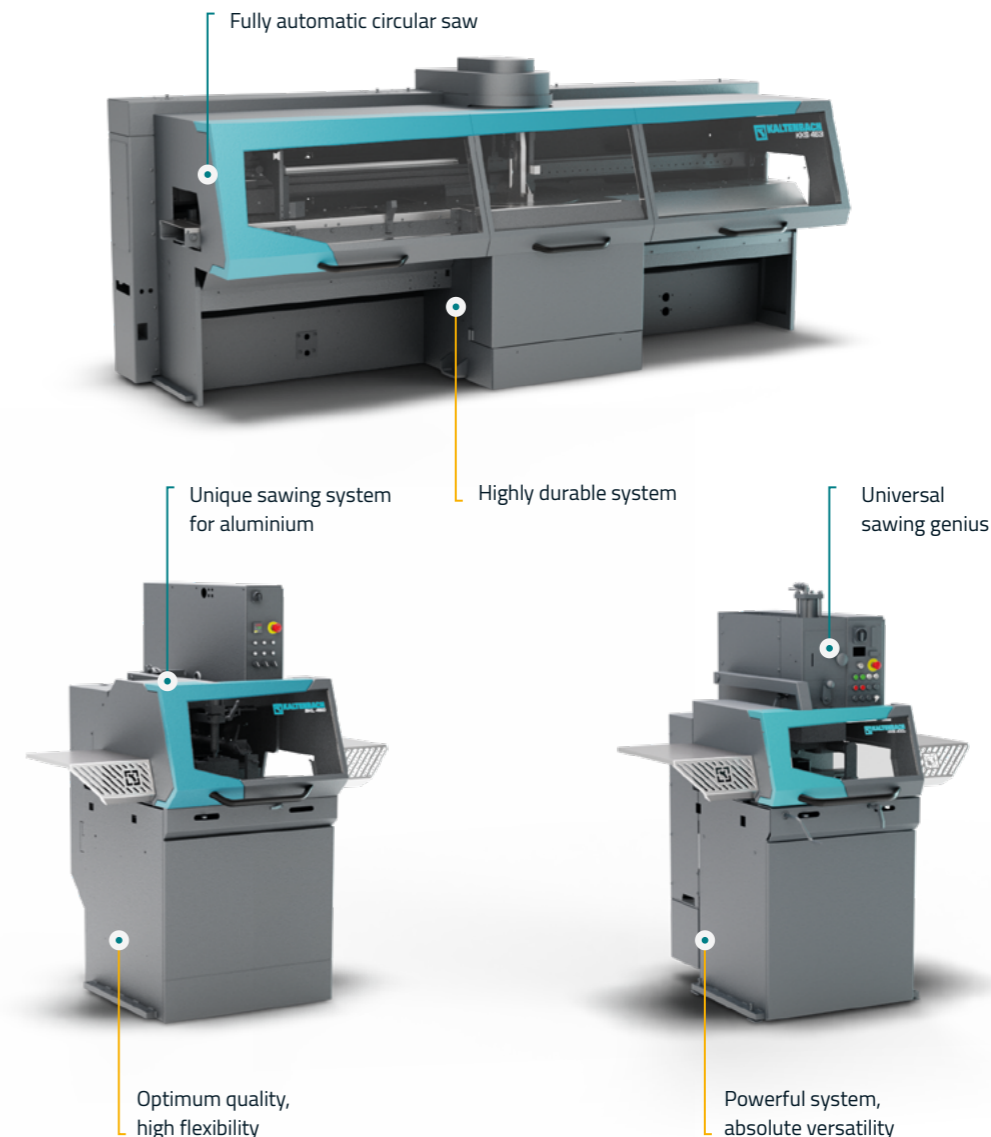
Highly flexible machines, suitable for both single cuts and batch processing. Solid materials can be sawn with the same performance as tubes and profiles. Robust and durable systems, energy efficient solutions, with precise straight and mitre cuts. Our experts will help to find the perfect saw for your requirements.

Get to know our **unique sawing systems for aluminium.**

KALTENBACH offers a wide range of manual, semi-automatic and fully automatic circular saws, specifically designed for aluminium and aluminium alloys. Exceptional versatile systems, for straight and mitre cuts. Provided with an optimal chip flow.

Powerful machines with a long service life. Most environmentally friendly with lowest cost of ownership.

■ Total versatility, high-end cutting techniques



■ Enhanced productivity in demanding applications

- Superior performance
- User-friendly operations
- Highly versatile sawing systems
- Lowest total costs in use
- Unique reliability

- Process more orders at considerably lower costs

VERSATILE - FLEXIBLE – RELIABLE



- Energy efficient system
- Effective aluminium sawing
- Fast processing times
- Minimum quantity of lubrication needed
- Easy to operate and to maintain
- Long service life

KALTENBACH SKL Series: high performance saws for all your aluminium products. Efficient and user-friendly machines, perfectly suited to your business. Semi- or fully automatic, our qualified experts will actively work with you to find the best solution for you.

Semi- and fully automatic mitre saws for non-ferrous metals up to Ø 160 mm
Suitable for single cuts and processing of small batches
Turn table for mitre cuts, 180° swivel range

BENEFITS AT A GLANCE

- High cutting quality
- Perfect chip flow
- Clamping, sawing, reverse motion, opening – all at the touch of a button
- User-friendly control unit
- Low maintenance, high uptime



- Clamping, sawing, reverse motion, opening – at the touch of a button

ABSOLUTE VERSATILITY, STRONG PERFORMANCE



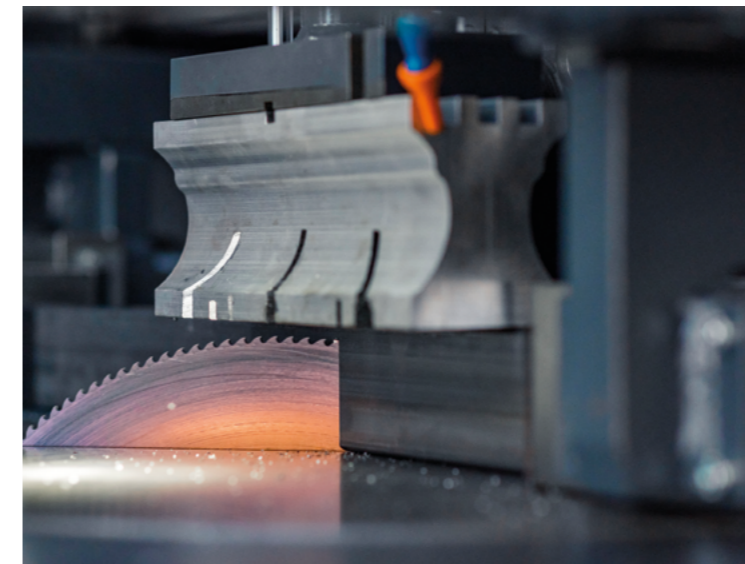
- Powerful system
- Responsive operation
- Highly flexible system
- Easy handling
- Perfect straight and mitre cuts
- Highest uptime

Choose for absolute versatility and select a semi-automatic saw, perfectly suited to your business. The models **KKS 400 U** and **KKS 450 U** are particularly suitable for single cuts and processing of small batches. With the **KKS 450 H** you will get an additional automation. The double saw **KKS 400 DH**, consisting of 2 combined machines, works even faster, more precise and productive.

Semi-automatic mitre saw for materials up to Ø 150 mm
Suitable for almost all steel qualities
Turn table for mitre cuts, 180° swivel range

BENEFITS AT A GLANCE

- Fast set-up for varying material sizes
- Optimum tool lubrication
- Effective cutting height adjustment
- User-friendly control directly on the machine
- Space saving installation
- Highly efficient operation



SPECIALIST FOR JIG WORK

- Minimal lubrication for nearly dry saw cuts



- High cutting performances
- Considerably reduced cycle times
- Customer specific clamping devices
- Modern control panel
- Safe operation
- Maximum flexibility

With the **KKS 400 T** and **450 T** you can really master your specialist jig work. Both machines have been particularly developed for the exhaust pipe industry and hydro-forming technology. For a perfect advice on your jig work systems, please contact KALTENBACH!

Semi-automatic mitre saw for materials up to Ø 140 mm
KKS 400 T – Saw blade Ø 400 mm
KKS 450 T – Saw blade Ø 450 mm
Turn table for mitre cuts, 180° swivel range

BENEFITS AT A GLANCE

- Especially designed for jig work
- Precise straight and mitre cuts
- Infinitely variable and reliable system
- Minimal lubrication for nearly dry saw cuts
- Easy operation and maintenance
- Perfectly produced steel products

H T L U - O □



DYNAMIC MASTERING OF JIG WORK

- A highly productive, innovative and stable metal work system



- Large cutting area
- Virtually dry work piece
- Robust and reliable saw
- Highly flexible system
- Smooth operation
- Cutting-edge steel products

With the **KKS 450 R** you will get the specialist for straight cuts of bent pipes. For example in the exhaust pipe or hydro-forming industry. Innovative and highly productive, this semi-automatic mitre saw will allow you to win more and to do more.

Semi-automatic mitre saw for materials up to Ø 140 mm
Circular saw especially for inlay work
Saw blade Ø 450 mm

BENEFITS AT A GLANCE

- Especially designed for jig work
- Customer specific clamping devices
- Material related cutting speed
- Optimum tool lubrication
- Drilling template in saw table possible
- Long service life

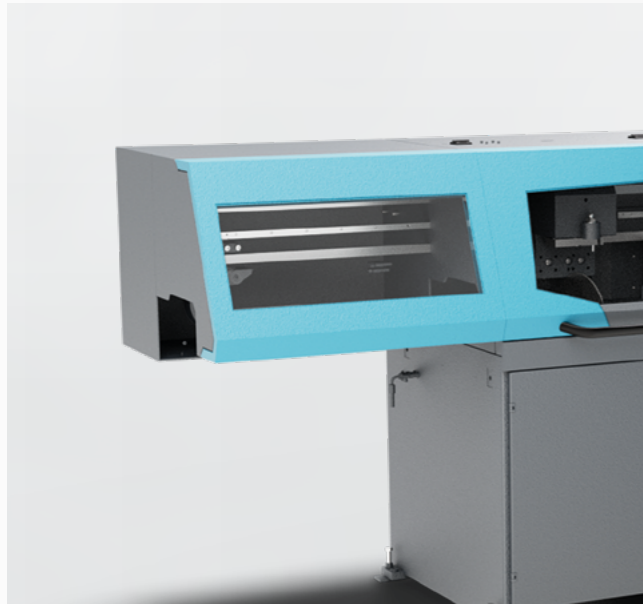
H T L U - O □



Automation

AUTOMATED SOLUTIONS FOR EACH LEVEL OF REQUIREMENT

A wide range of automation possibilities enables 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

- > Order management
- > Process visualization
- > Bar optimization for optimal use of raw material
- > Automatic calculations of cutting speed and saw feed rate
- > Adjustment of workpiece input according to the available dimensions
- > Complete management information on performance of the machine
- > Pro-active information on need for service and spare parts

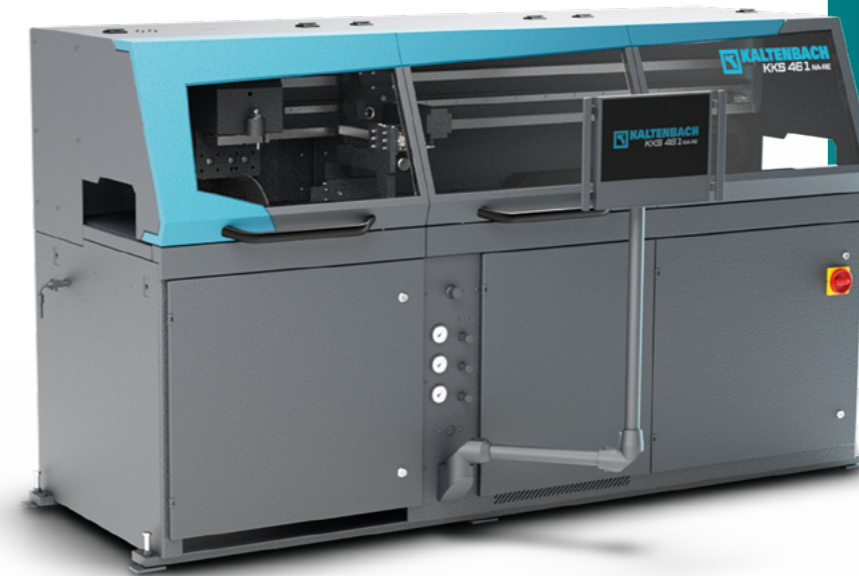
BENEFITS OF AUTOMATION

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



■ Cutting with an universal genius

PRECISE MATERIAL SUPPLY, TOP LEVEL SAWING PERFORMANCE



- High cutting quality
- Optimum swarf flow
- Short cutting and cycle times
- Minimal end piece lengths
- Simple operation and programming via touch screen
- Maximum yields

You can leave the **KKS 461 NA** unattended. This automatic mitre saw for profiles and solid materials is able to execute the tasks by itself. Highly precise material supply is effected by means of a servo motor and screw ball. Cutting speed and feed rate are calculated automatically. Ask our experts for a professional sawing advice.

Fully automatic universal circular saw for materials up to Ø 150 mm
Efficient processing of flat, angle and solid materials, tubes and special profiles
CNC-controlled rotary table for mitre cuts, range 120°

BENEFITS AT A GLANCE

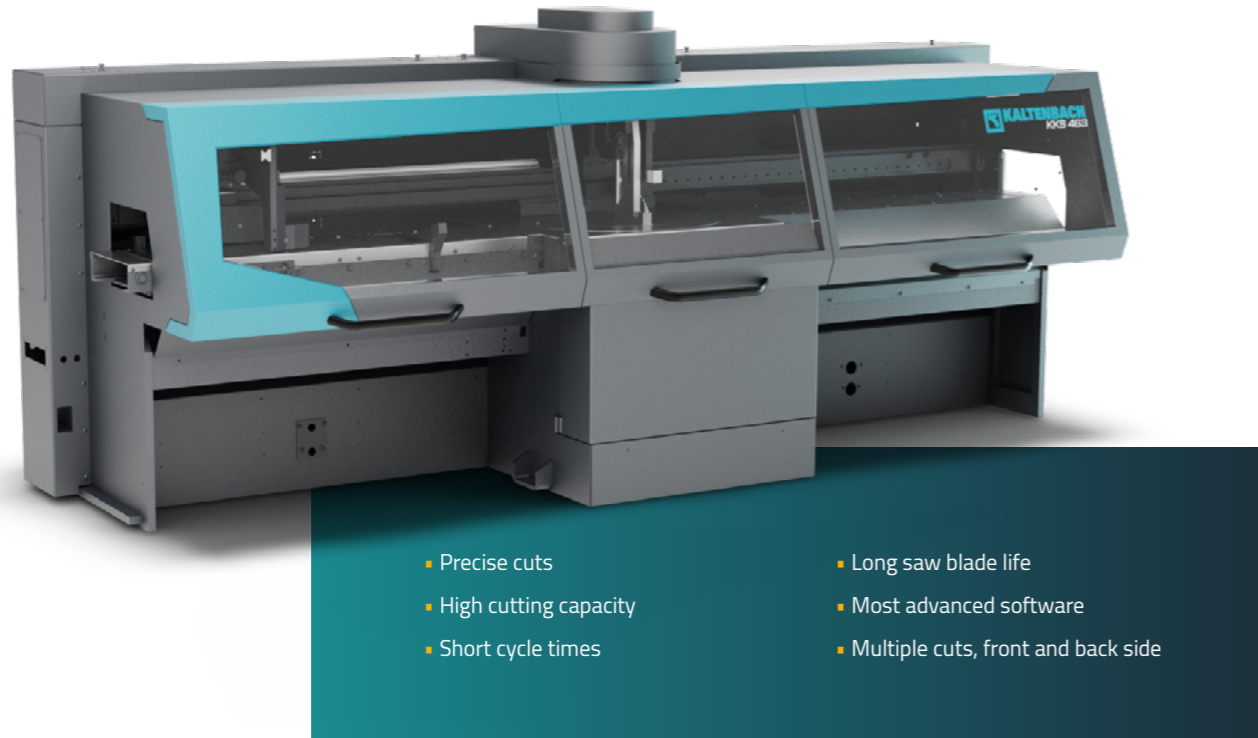
- Highly flexible system
- Smooth infeed of material
- Carefully calculated cutting speed and saw feed rate
- Vertical drill for automatic drill/saw operation
- Perfectly produced steel products
- Lowest cost of ownership

H T L U - O □



- Various automation possibilities up to fully unmanned sawing cells

AUTOMATIC SORTING OF FRONT CUTS, END PIECES AND FINISHED PIECES



- Precise cuts
- High cutting capacity
- Short cycle times
- Long saw blade life
- Most advanced software
- Multiple cuts, front and back side

Choose the **KKS 463 NA** for fully automatic processing of profile and solid material, as well as tubes. This highly reliable saw is able to run completely independently. You will realize optimal productivity as cutting and cycle times are reduced to a minimum. Thanks to the unique KALTENBACH saw construction, cutting quality is excellent.

Fully automatic universal circular saw for materials up to Ø 153 mm
Suitable for processing medium and large batches
CNC controlled rotary table for mitre cuts, range 120°

BENEFITS AT A GLANCE

- ▶ Automatic material supply
- ▶ Automatic calculation of cutting speed and saw feed rate
- ▶ Automatic cut sorting to pre-adjustable positions
- ▶ Drill for automatic drill/saw operation
- ▶ Highly energy efficient process
- ▶ Low running costs



H T L U - O □

- Fully automatic processing of trim cuts

HIGH PERFORMANCE CIRCULAR SAW FOR STRAIGHT CUTS



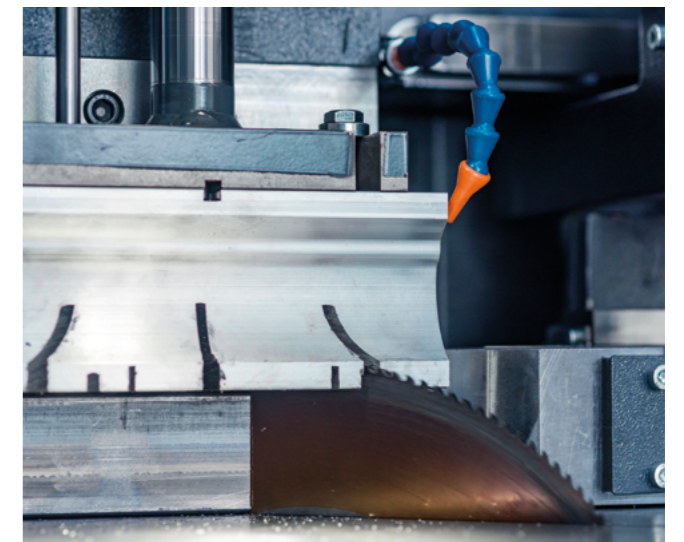
- High precision cuts
- Extended blade life
- Virtually zero set-up time
- High degree of automation
- Compact, ergonomic design
- Rapid installation and start-up

The **MSK 471 NA** is known as "The Money-Making Machine". Transform your fabrication business with a world class circular saw from KALTENBACH. Characterized by an especially short remnant length. Various material pre-storage options are available to enable unmanned operation. Cut-off, remnants and trim cuts can be sorted fully automatically to pre-selectable bin positions.

Work area Ø 152 mm
Use of HSS and carbide saw blades
Connection to storage systems

BENEFITS AT A GLANCE

- ▶ Flexible material management
- ▶ Wide cutting speed range
- ▶ Precise cut-offs
- ▶ Customized outfeed solutions for trim cuts, cut-offs and remnants
- ▶ Maximum yield



H T L U - O □

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 look for the best 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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Convince yourself of the knowledge from 135 years of experience

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

Most environmentally friendly. Effective, safe and reliable. Our production lines and machines guarantee the right solution for any requirement in your business.

Benefit from our industry expertise and generate added value - every day.

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