

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE



KALTENBACH

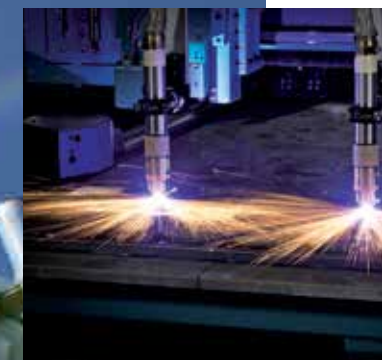
**BECAUSE ONLY THE BEST
IS GOOD ENOUGH FOR
ALUMINIUM.**

SKL + TL SERIES
CIRCULAR SAWS FOR ALUMINIUM

 > MADE IN GERMANY

**REQUIREMENTS MAY CHANGE
OVER TIME.**

BUT GENUINE QUALITY IS TIMELESS.



OVER 130 YEARS' OLD - A COMPANY IN ITS PRIME.

Anyone who produces or processes, saws or drills, welds or flames metal does not do work of a transient nature. They are creating something for the future. And anyone processing such durable materials is best to rely on long-term partnerships.

Reliable partnerships with powerful, premium quality machines which provide a high level of production safety day in, day

out – and trustworthy partnerships with dependable, dedicated individuals who provide long term support.

Lasting values have a long tradition at KALTENBACH. Over 130 years' experience has taught us that working with our customers is the best way to find the right solution.

In this product catalogue you will find information about areas of application, individual components, technical data and special benefits. Help and advice from our staff in Sales, Technical Services and Support are an integral part of KALTENBACH systems.

Whatever your question and wherever you are in the world – we are there for you.

SAWING SYSTEMS FOR ALUMINUM

KALTENBACH offers a wide range of manual, semi-automatic and fully-automatic circular saws designed specifically for sawing aluminium and aluminium alloys.

ADVANTAGES AT A GLANCE

- ▶ High drive power for optimum machining
- ▶ Minimum quantity lubrication as standard
- ▶ Highly flexible for straight and mitre cuts
- ▶ Optimal chip flow
- ▶ Reliable workpiece clamping on both sides of the saw blade

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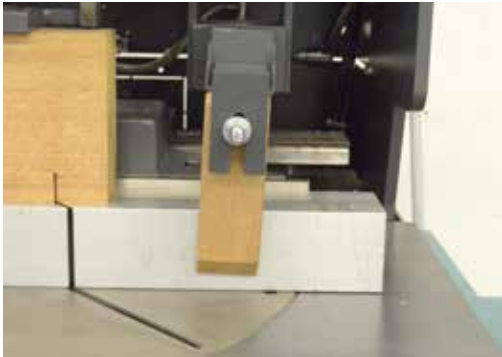
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- 1 Mitre cut.
- 2 Infeed gripper with material.
- 3 Horizontal clamping device. Mitre cut.

TL 250 | TL 350 | TL 450

IDEAL FOR WORKSHOPS AND CONSTRUCTION SITES



**PRECISE.
PORTABLE.**



TL 450

SKL 450 E | SKL 450 H

WHEN SEMI-AUTOMATIC IS JUST THE JOB



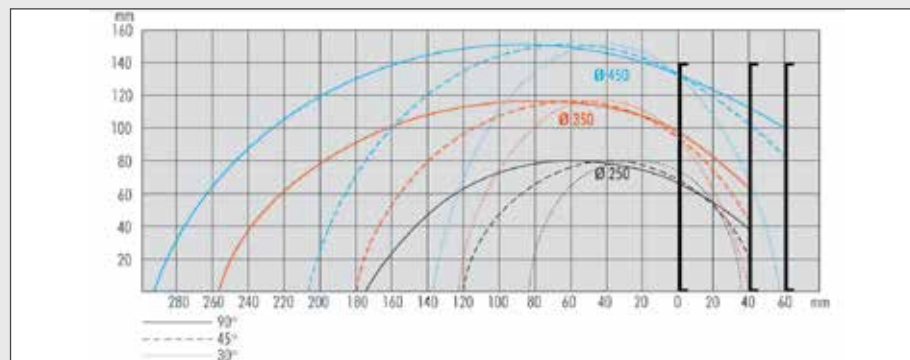
**VERSATILE.
DEPENDABLE.**



SKL 450 E



Portable saws – for ease of use in workshops or on-site.



Cutting area.



Rotary table for mitre cuts with a pivoting range of 180°.



Control panel with illuminated text display (SKL H only).

In the workshop in the morning, on site in the afternoon – the portable aluminium saws in the TL range can easily be transported from one place to another. Available in three sizes, they are suitable for straight and mitre cuts. A hand-operated lever is used to raise the saw blade and cut the material with speed and precision.

ADVANTAGES AT A GLANCE

- ▶ Work safely at workbench or workstation
- ▶ Cuts from below for accurate, safe operation
- ▶ Fast setting for mitre cuts
- ▶ Adjustable workpiece stop to extend cutting area
- ▶ Saw blade guard, electrical overload protection and no-voltage release
- ▶ Workpiece clamping with adjustable clamping device and hardwood clamping block for tightening on both sides of the saw blade



Minimum quantity lubrication.

ADVANTAGES AT A GLANCE

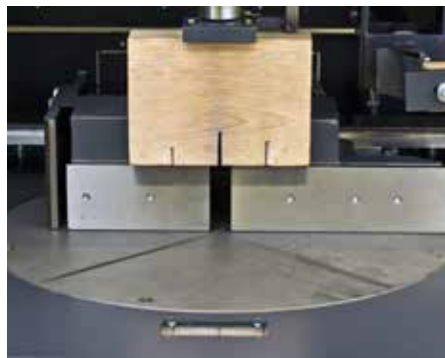
- ▶ Clamping, sawing, reverse motion, opening – all at the touch of a button
- ▶ Suitable for single cuts and processing of small batches
- ▶ User-friendly electronic control unit mounted directly on the machine
- ▶ Good accessibility for saw blades changes and maintenance work
- ▶ Workpiece clamping device on both sides of the saw blade and infinitely variable saw blade feed for high cutting quality
- ▶ KALTENBACH 'cut from below' principle ensures good chip flow
- ▶ Ergonomically arranged controls for ease-of-use
- ▶ Electronically adjustable cutting stroke limit and rapid return of saw blade for short cycle times

SKL 450 NA

FULL SPEED AHEAD FOR PRODUCTION



SKL 450 NA



Rotary table for mitre cuts with a pivoting range of 180°.



High-precision material positioning via infeed gripper with ball screw.



Large front door for rapid saw blade change and easy maintenance.

Based on the SKL 450 H, the NA model is an efficient, high-performance sawing machine with a robust feed system.

ADVANTAGES AT A GLANCE

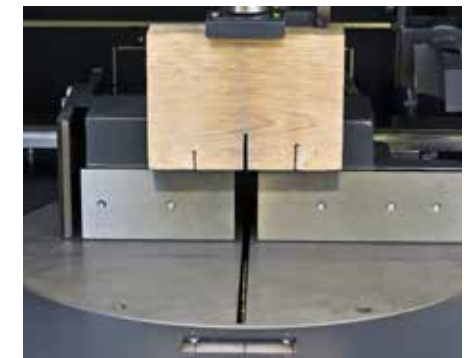
- ▶ Infeed gripper for material lengths up to 9999 mm
- ▶ Special infeed gripper minimises end-piece lengths
- ▶ Electro-mechanical material infeed gripper for short cycle times
- ▶ Optional chip extraction device
- ▶ Efficient minimum quantity lubrication for extended blade life
- ▶ Can be combined with fully automatic flat magazine for pre-storage of material
- ▶ Two cutting speeds for different material dimensions



Hydropneumatic saw blade feed.



Feed regulator for universal, infinitely variable adjustment even during the sawing process.

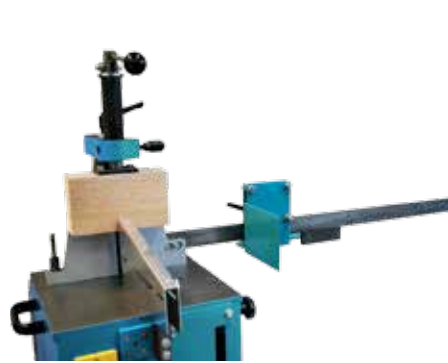


Vertical hardwood clamping block to protect material surface.



Simple operation and programming via NC control with input panel.

TL SERIES ACCESSORIES



L10 length stop
Working range 0 - 1000 mm.



L12 length stop
Incl. support. Guide rails with precision scale. Length readings for 90° and 45° cuts. Stop guide for short cuts.



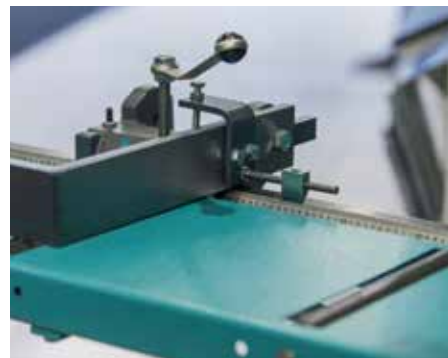
Machine base (TL 250 and TL 350 only)
Machine base with ball-bearing mounted swivel plate to tilt the machine for angled cuts. Outrigger on workpiece stop with support to maintain material feed direction.



Longitudinal cutting device (TL 250 and TL 350 only)
With stop which can be configured to circular guide.



L 41 NC length measuring device (TL 450 only)
Motor-driven adjustment of measurement length via NC control. The stop carriage is automatically clamped on reaching the position. Easy operation via touchscreen.



L 45 E length measuring device (TL 350 and TL 450 only)
For manually adjustment of measurement length. Adjustable vernier for high measurement accuracy. Attachable stop guide for short cut lengths. Stop arm can be pivoted upwards.



T3 roller conveyor (TL 350 and TL 450 only)
T3 modular extendable roller conveyor system (with L41 NC length measuring system).

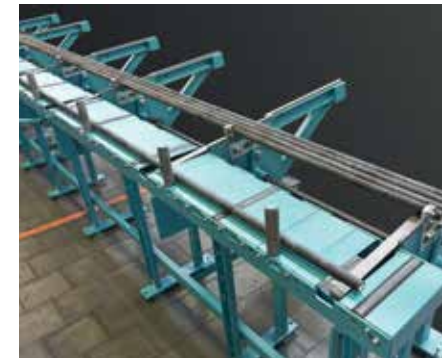
SKL SERIES ACCESSORIES



T3 roller conveyor
T3 modular extendable roller conveyor system (with L41 NC length measuring system).



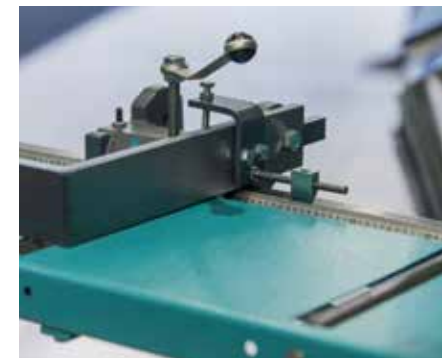
Pneumatic horizontal clamp



LM 1 loading magazine (SKL 450 NA only)
For pre-storage of round and square material.



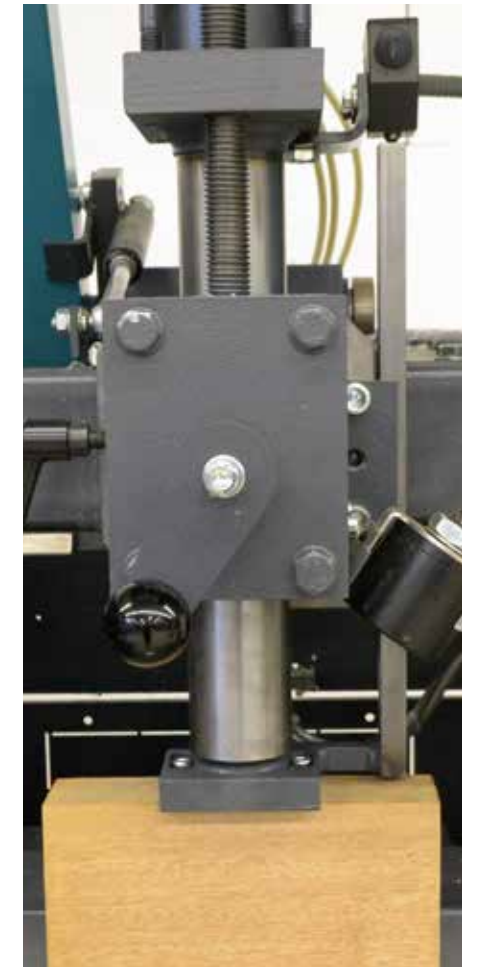
FM 1 flat magazine (SKL 450 NA only)
For pre-storage of round and square material and profiles (including special profiles).



L 45 E length measuring device
For manually adjustment of measurement length. Adjustable vernier for high measurement accuracy. Attachable stop guide for short cut lengths. Stop arm can be pivoted upwards.



L 41 NC length measuring device
Motor-driven adjustment of measurement length via NC control. The stop carriage is automatically clamped on reaching the position. Easy operation via touchscreen.



Reinforced workpiece clamping device
With hand crank for pre-adjustment (SKL E only; comes as standard with SKL H).

TL SERIES AT A GLANCE

TECHNICAL DATA	TL 250	TL 350	TL 450
Saw blade Ø	250 mm	350 mm	450 mm
Drive performance	1.1 kW	2.0 kW	2.2 kW
Cutting speed	2700 m/min	3200 m/min	4100 m/min
Dimensions			
– length	450 mm	450 mm	610 mm
– width	670 mm	840 mm	1070 mm
– height	680 mm	750 mm	1440 mm
Weight	56 kg	68 kg	180 kg
Working height (with machine base)	964 mm	1008 mm	1014 mm
Pivoting range for mitre cuts	-45°/90°/+30°	-45°/90°/+30°	-45°/90°/+30°
Working range			
●○ (round) 90°	80 mm	115 mm	150 mm
●○ (round) 45°	80 mm	115 mm	145 mm
■□ (square) 90°	70 mm	100 mm	135 mm
■□ (square) 45°	65 mm	100 mm	125 mm
■□ (flat) 90°	130 x 40 mm	250 x 40 mm	320 x 40 mm
■□ (flat) 45°	100 x 40 mm	190 x 40 mm	250 x 40 mm

FEATURES	TL 250	TL 350	TL 450
Saw blade lubricating pump	●	●	●
Machine base	○	○	●
Pneumatic clamp	–	○	●
Longitudinal cutting device	○	○	–
Length stops	○	○	○

● = Standard ○ = Optional – = Not possible

SKL SERIES AT A GLANCE

TECHNICAL DATA	SKL 450 E	SKL 450 H	SKL 450 NA
Saw blade Ø	450 mm	450 mm	450 mm
Drive performance			
– standard	3.7/4.7 kW	3.7/4.7 kW	3.7/4.7 kW
– optional	-	4.7/6.3 kW	4.7/6.3 kW
Cutting speed	1950/3900 m/min	1950/3900 m/min	1950/3900 m/min
Stroke length infeed gripper			
– single stroke	-	-	1000 mm
– multi stroke	-	-	9999 mm
Saw blade feed			
– infinitely adjustable	0-3000 mm/min	0-3000 mm/min	0-3000 mm/min
– rapid return	4500 mm/min	4500 mm/min	4500 mm/min
Dimensions			
– length	920 mm	920 mm	2700 mm
– width	1300 mm	1300 mm	1450 mm
– height	2010 mm	2010 mm	1900 mm
Weight	680 kg	680 kg	1480 kg
Working Height	1010 mm	1010 mm	1010 mm
Pivoting range for mitre cuts	180°	180°	180°
Arbeitsbereich			
●○ (round) 90°	160 mm	160 mm	160 mm
■□ (square) 90°	145 mm	145 mm	145 mm
■□ (square) 45°	130 mm	130 mm	130 mm
■□ (flat) 90°	320 x 50 mm	320 x 50 mm	320 x 50 mm
■□ (flat) 45°	250 x 40 mm	250 x 40 mm	250 x 40 mm

FEATURES	SKL 450 E	SKL 450 H	SKL 450 NA
Pneumatic vertical clamping device	●	●	●
Horizontal clamping device left / right	○ / ○	○ / ○	– / ○
Pre-adjustable workpiece stop	●	●	●
Electronic stroke limiter	●	●	●
Minimum quantity lubrication	●	●	●
Sound-insulating enclosure	–	–	○
Machine compartment lighting	–	●	●
Counter	–	●	●
Pneumatic cut stop	–	–	○
Chip extraction unit	○	○	○
Transport / length measuring systems	○	○	○
Automatic infeed magazine	–	–	○

● = Standard ○ = Optional – = Not possible

KALTENBACH TECHNICAL SERVICES

SERVICE YOU CAN RELY.



KALTENBACH and our KALTENBACH partners are on hand to advise and assist you worldwide, 365 days a year. Whether you need machines or parts, maintenance or servicing – we are here to help.

We endeavour to provide the best possible service because our thoughts, feelings and actions reflect yours. And you can help us make our service even better.

Please get in touch, anytime.

► www.kaltenbach.com



► Spare parts – Original quality

OUR SPECIALISTS RESPOND, DIAGNOSE AND ACT - WE UNDERSTAND THAT SPEED IS OF THE ESSENCE.

ONLY THE BEST - ONLY ORIGINAL PARTS

KALTENBACH and KALTENBACH partners offer you their experience and knowledge. We understand your business and provide all the products you need to ensure that your processes are safe and reliable: The right parts, the right tools, the right lubricants.

And once our Field Service or Helpdesk has found the best solution for you, we ensure prompt delivery. We are well aware that time is money in production – so our original parts service helps you to save both.

Find your local contact at:
www.kaltenbach.com

► Field service

SAVING TIME AND COSTS ARE THE ULTIMATE PRIORITIES IN PRODUCTION. WITH US, YOU CAN DO BOTH.

WE THINK ABOUT YOU, EVEN WHEN WE ARE NOT WITH YOU.

Knowledge, experience and a passionate commitment to support our customers in the best possible way is what makes our service great: Dedicated people close to hand who understand your business so that you can make headway.

Our field service engineers can be called out at very short notice if necessary. These highly qualified technicians will diagnose the problem and actively work with you to find the best solution. Plant maintenance service and aftersales complete the package – service you can rely on.

► Competence centre

HOW CAN WE HELP YOU? THROUGH OUR COMMITMENT TO PROBLEM SOLVING.

► HELPDESK – ALWAYS AT THE READY

Our Helpdesk's priority is to help you as quickly as possible. Our skilled customer service team offers professional support throughout the world to help resolve all your machinery problems and technical queries.

Although our experience shows that 90% of all service enquiries can be handled by telephone or using our online support system, we will gladly arrange a visit from a field service engineer whenever necessary.

► KALTENBACH ACADEMY

Nothing feels quite as good as getting better.

We will help you improve your knowledge of the machines and keep it up-to-date to maximise your efficiency. At the KALTENBACH Academy our experienced experts provide customer training and advice tailored to your specific industry and needs.

WE PROVIDE:

- a highly efficient logistics network in over 40 countries
- original parts direct from the manufacturer
- prices in line with the market
- professional advice tailored to your needs
- coordination of delivery to your premises
- plant maintenance advice

GLOBAL SPECIALISTS IN:

- individual, tailored contract terms and maintenance schemes
- problem-solving
- service
- updates
- machine relocations
- machine modifications and refits

OUR SERVICE TEAM WILL:

- provide technical support in the event of a machine breakdown with the aim of minimising downtime
- help by providing first-time fixes or organising on-site support
- keep you informed throughout the problem-solving process

EXPERTS ARE ON HAND FOR:

- product training
- safety training
- maintenance advice
- maintenance instructions
- internal partner audits
- advice (machine efficiency, logistics, tools and materials)

KALTENBACH WILL FIND A SOLUTION. OR ALREADY HAS.

Metalworking and the metals trade involve a wide range of challenging tasks. This calls for systems which are powerful, versatile and durable in the long-term. Our plants ensure that any problem can be solved – safely and reliably:

- ▶ **BAND AND CIRCULAR SAWING MACHINES**
- ▶ **SAW-DRILL-LINES**
- ▶ **PROFILE DRILLING MACHINES**
- ▶ **PROFIL PROCESSING ROBOTS**
- ▶ **DRILL-BURN-LINES**
- ▶ **PUNCHING AND SHEARING SYSTEMS**
- ▶ **PLATE PROCESSING CENTRES**
- ▶ **SHOTBLAST SYSTEMS**
- ▶ **PAINTING SYSTEMS**
- ▶ **MARKING SYSTEMS**
- ▶ **MEASURING SYSTEMS**
- ▶ **TRANSPORT SYSTEMS**

More information and a list of our representatives around the world can be found at:

WWW.KALTENBACH.COM

Product videos:

WWW.YOUTUBE.COM/KALTENBACHGROUP

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