

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE



KALTENBACH

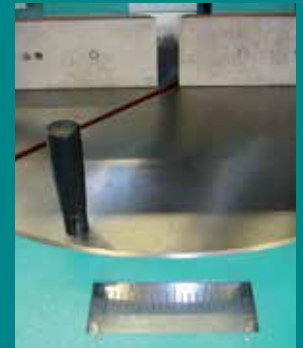
**WHEN SEMI-AUTOMATIC
BRINGS FULL
SATISFACTION.**

SKL 450 E

SEMI-AUTOMATIC MITRE CIRCULAR SAW

 > MADE IN GERMANY

SKL 450 E SEMI AUTOMATIC MITRE CIRCULAR SAW



ADVANTAGES AT A GLANCE:

- ▶ Clamping, sawing, reverse motion, opening – at the touch of a button
- ▶ Suitable for single cuts and processing of small batches
- ▶ Push-button adjustment of the cutting height
- ▶ Good accessibility for saw blade changes and maintenance work
- ▶ Space saving installation
- ▶ High cutting capacity (adaptable to the material, two cutting speeds as standard)

HARD FACTS

- ▶ Sawblade: 450 mm
- ▶ Drive performance: 3,7 / 4,7 kW
- ▶ Cutting speed: 1.950 / 3.900 m / min
- ▶ Feed rate: 0 – 3.000 mm/min
- ▶ Fast return stroke: 4.500 mm/min
- ▶ Machine weight: 680 kg
- ▶ Working range

	90°	45°
●○ Round material	160 mm	160 mm
■□ Square material	145 mm	130 mm
▬□ Profile	320 x 50 mm	250 x 40 mm
- ▶ Mitre range: 0° / 90° / 0°
- ▶ Swivel range 180°
- ▶ Tools: Solid Carbide Tools

APPLICATIONS

Facade engineering, windows, doors, bus construction, scaffolding, ladders, heatsink, automotive sector, solar, etc.

Some of the listed features are optional. More information here:

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 > MADE IN GERMANY

TAKING THE BEST POSSIBLE CARE OF ALUMINIUM.

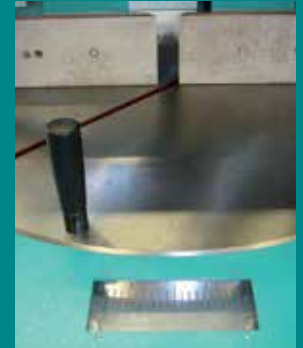
SKL 450 NA
FULLY-AUTOMATIC MITRE CIRCULAR SAW

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE



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SKL 450 NA FULLY AUTOMATIC MITRE CIRCULAR SAW



ADVANTAGES AT A GLANCE:

- ▶ High-precision, automatic material feed via feed gripper with ballscrew spindle and servomotor
- ▶ Modern operation via programming panel with plain text display
- ▶ Clamping, sawing, reverse motion, opening – at the touch of a button
- ▶ Suitable for small to medium batch sizes
- ▶ Push-button adjustment of the cutting height
- ▶ Good accessibility for saw blade changes and maintenance work
- ▶ High cutting capacity (adaptable to the material, two cutting speeds as standard)

HARD FACTS

- ▶ Sawblade: 450 mm
- ▶ Drive performance: 3,7/4,7 kW (optional: 4,7/6,3 kW)
- ▶ Cutting speed: 1.950/3.900 m/min
- ▶ Feed rate: 0–3.000 mm/min
- ▶ Auto. material feed 10–9.999 mm
- ▶ Fast return stroke: 4.500 mm/min
- ▶ Machine weight: 1.480 kg
- ▶ Working range

	90°	45°
●○ Round material	160 mm	160 mm
■□ Square material	145 mm	130 mm
▬□ Profile	320 x 50 mm	250 x 40 mm
- ▶ Mitre range: 0°/90°/0°
- ▶ Swivel range: 180°
- ▶ Tools: Solid Carbide Tools

APPLICATIONS

Facade engineering, windows, doors, bus construction, scaffolding, ladders, heatsink, automotive sector, solar, etc.

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POWERFUL SOLUTIONS –
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**FOR HEAVY-DUTY.
OF GREAT VALUE.**

KKS 400 E

SEMI-AUTOMATIC MITRE CIRCULAR SAW

 > MADE IN GERMANY

KKS 400 E SEMI-AUTOMATIC MITRE CIRCULAR SAW



ADVANTAGES AT A GLANCE:

- ▶ Heavy duty gear box with hardened and ground, helical gears
- ▶ Clamping, sawing, reverse motion, opening – at the touch of a button
- ▶ Suitable for single cuts and processing small batches
- ▶ Push-button adjustment of the cutting height
- ▶ User-friendly electronic control directly on the machine
- ▶ Good accesibility for sawblade changes and maintenance work
- ▶ Space saving installation
- ▶ Workpiece stop on both sides of the sawblade (stable contact surface for precise cuts; adjustable forwards and backwards)
- ▶ Suitable for nearly all types of profiles and solid materials as well as different steel grades

HARD FACTS

- ▶ Sawblade: 400 mm
- ▶ Drive performance: 1,8/2,7 kW
- ▶ Cutting speed: 10/20; 13/26; 15/30 m/min
- ▶ Feed rate: 0–1.000 mm/min
- ▶ Fast return stroke: 1.550 mm/min
- ▶ Machine weight: 820 kg
- ▶ Machine dimensions: (L x W x H): 1.080 x 900 x 1.760 mm
- ▶ Working range

	90°	45°
●○ Round material	130 mm	130 mm
■□ Square material	120 mm	120 mm
▬ Flat material	305 x 20 mm	245 x 30 mm
- ▶ Mitre range: 0° / 90° / 0°
- ▶ Swivel range 180°
- ▶ Tools: HSS-Tools

APPLICATIONS

Locksmith's shop, metal construction, steel construction, bus, trailer and truck engineering, elevators, stair manufacturer, agriculture, etc.



Length measurement device L 41 NC

- ▶ For the electronic adjustment of the measuring length via NC-control.
- ▶ The feed gripper is clamped automatically after the positioning.
- ▶ Easy operation via touch screen.

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POWERFUL SOLUTIONS –
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STRONG PERFORMANCE WITH HIGH OPERATING ERGONOMICS

KKS 400 H

SEMI-AUTOMATIC MITRE CIRCULAR SAW

 > MADE IN GERMANY

KKS 400 H SEMI-AUTOMATIC MITRE CIRCULAR SAW



ADVANTAGES AT A GLANCE:

- ▶ Heavy duty gear box with hardened and ground, helical gears
- ▶ Clamping arm with hydraulic long stroke clamping cylinders (135 mm hub; large scale pressure piece for secure clamping on both sides of the saw blade; hand crank for pre-adjustment)
- ▶ High output capacity of the hydraulic unit
- ▶ Modern operation via control panel with plain-text display
- ▶ Clamping, sawing, reverse motion, opening – at the touch of a button
- ▶ Suitable for single cuts and processing small batches
- ▶ Push-button adjustment of the cutting height
- ▶ Good accessibility for sawblade changes and maintenance work
- ▶ Space saving installation
- ▶ Suitable for nearly all types of profiles and solid materials as well as different steel grades

HARD FACTS

- ▶ Sawblade: Ø 400 mm
- ▶ Drive performance: 1.8/2.7 kW (optional: 3.7/4.5 kW)
- ▶ Cutting speed: 10/20; 13/26; 15/30 (optional: 30/60; 7–43; 20–95) m/min
- ▶ Feed rate: 0–1.000 mm/min
- ▶ Fast return stroke: 3.300 mm/min
- ▶ Machine weight: 850 kg
- ▶ Machine dimensions: (L x W x H): 1.050 x 900 x 1.840 mm
- ▶ Working range

	90°	45°
●○ Round material	130 mm	130 mm
■□ Square material	120 mm	110 mm
▬ Flat material	305 x 20 mm	245 x 30 mm
- ▶ Mitre range: 0°/90°/0°
- ▶ Swivel range 180°
- ▶ Tools: HSS-Tools

APPLICATIONS

Locksmith's shop, metal construction, steel construction, bus , trailer and truck engineering, elevators, stair manufacturer, agriculture, etc.

Some of the listed features are optional. More information here:

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 > MADE IN GERMANY

**STEPLESSLY VARIABLE.
ALWAYS AT YOUR SIDE.**

KKS 400 T
SEMI-AUTOMATIC MITRE CIRCULAR SAW

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE



KALTENBACH

KKS 400 T SEMI-AUTOMATIC MITRE CIRCULAR SAW



ADVANTAGES AT A GLANCE:

- ▶ High out capacity of the hydraulic unit
- ▶ Hydraulic long-stroke clamping cylinder
- ▶ Modern operation via control panel with plain-text display
- ▶ Clamping, sawing, reverse motion, opening – at the touch of a button
- ▶ Push-button adjustment of the cutting height
- ▶ Good accessibility for sawblade changes and maintenance work
- ▶ Drilling pattern in the saw table to enter devices from the customer's side
- ▶ Special suitability for inlay works (i.e. sawing of exhaust pipes)
- ▶ Two-handed operation
- ▶ Heavy duty saw drive (robust, powerful drive with hardened and ground helical gears)
- ▶ Rotary table for mitre cuts (easy, manual adjustment; swivel range 180°)

HARD FACTS

- ▶ Sawblade: 400 mm
- ▶ Drive performance: 1.8/2.7 kW (optional: 4.0/5.5 kW)
- ▶ Cutting speed: 10/20; 13/26; 15/30 (optional: 30/60; 7–43; 15–75) m/min
- ▶ Feed rate: 0–1.000 mm/min
- ▶ Fast return stroke: 3.300 mm/min
- ▶ Machine weight: 850 kg
- ▶ Machine dimensions: (L x W x H): 1.120 x 900 x 1830 mm
- ▶ Mitre range: 0°/90°/0°
- ▶ Swivel range 180°
- ▶ Tools: HSS-Tools

APPLICATIONS

Exhaust pipes, hydroforming

Some of the listed features are optional. More information here:

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POWERFUL SOLUTIONS –
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KALTENBACH

**RUNS SMOOTHLY.
SAWS STRONGLY.**

KKS 450 H
SEMI-AUTOMATIC MITRE CIRCULAR SAW

 > MADE IN GERMANY

KKS 450 H SEMI-AUTOMATIC MITRE CIRCULAR SAW



ADVANTAGES AT A GLANCE:

- ▶ Heavy duty gear box with hardened and ground, helical gears.
- ▶ Clamping arm with hydraulic long stroke clamping cylinders (160 mm hub; large scale pressure piece for secure clamping on both sides of the saw blade; hand crank for pre-adjustment)
- ▶ High output capacity of the hydraulic unit
- ▶ Modern operation via control panel with plain-text display
- ▶ Clamping, sawing, reverse motion, opening – at the touch of a button
- ▶ Suitable for single cuts and processing small batches
- ▶ Push-button adjustment of the cutting height
- ▶ Good accessibility for sawblade changes and maintenance work
- ▶ Space saving installation
- ▶ NC-controlled cutting angle setting
- ▶ Suitable for nearly all types of profiles and solid materials as well as different steel grades

HARD FACTS

- ▶ Sawblade: \varnothing 450 mm
- ▶ Drive performance: 1.8/2.7 kW (optional: 4.0/5.5 kW)
- ▶ Cutting speed: 11/22; 13/26; 15/30 (optional: 30/60; 7–43; 15–75) m/min
- ▶ Feed rate: 0–1.000 mm/min
- ▶ Fast return stroke: 3.300 mm/min
- ▶ Machine weight: 1.050 kg
- ▶ Machine dimensions: (L x W x H): 1.320 x 1.020 x 2.000 mm
- ▶ Working range

	90°	45°
●○ Round material	150 mm	150 mm
■□ Square material	140 mm	130 mm
▬ Flat material	330 x 40 mm	250 x 40 mm
- ▶ Mitre range: 0° / 90° / 0°
- ▶ Swivel range 180°
- ▶ Tools: HSS-Tools

APPLICATIONS

Locksmith's shop, metal construction, steel construction, bus , trailer and truck engineering, elevators, stair manufacturer, agriculture, etc.



AUTOMATIC MATERIAL PUSHER AND LENGTH STOP COMBINATION L 41 P

- ▶ There is minimal waste at the end of the material.
- ▶ After programming the section length, the material is automatically moved forward and cut to size.
- ▶ Both straight and angle (mitre) cuts are possible, with the saw rotary table being positioned automatically via the touch screen controlled user interface.

Some of the listed features are optional. More information here:

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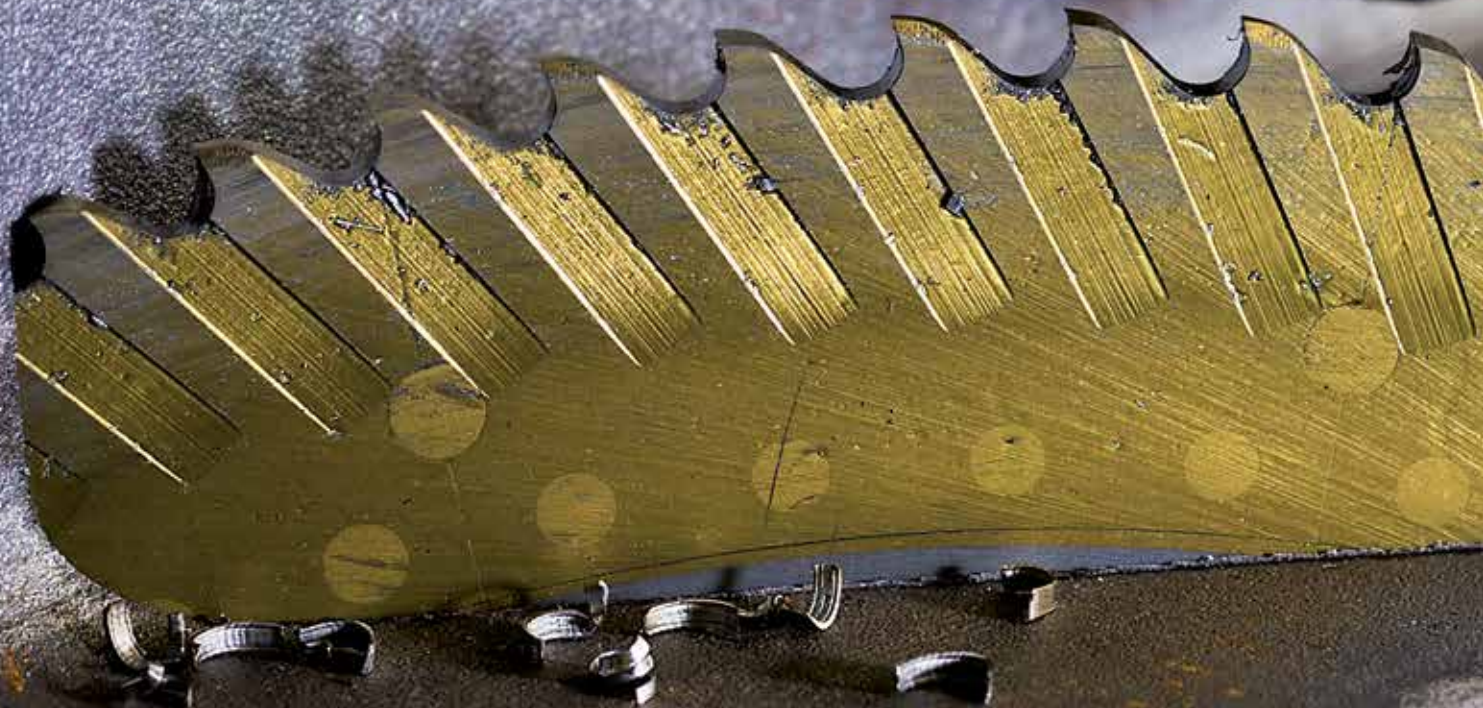
KALTENBACH

**STRONG AND QUICK,
CUT FOR CUT.**

KKS 451 NA

FULLY-AUTOMATIC UNIVERSAL CIRCULAR SAW

 > MADE IN GERMANY



KKS 451 NA FULLY AUTOMATIC UNIVERSAL CIRCULAR SAW



ADVANTAGES AT A GLANCE:

- ▶ Automatic processing of flat, angle and solid materials, tubes and special profiles
- ▶ Optimum swarf flow through the KALTENBACH „cut from below“ principle
- ▶ Short cutting and cycle times through electronic cutting-height adjustment and fast return stroke of the saw blade
- ▶ Minimal end-piece lengths due to special gripper design
- ▶ Easy operation and programming via touch screen
- ▶ Automatic material feed (high-precision positioning via servomotor and ballscrew spindle)
- ▶ High cutting quality through workpiece clamping on both sides of the saw blade and automatic adjustment of the cutting speed and the optimal feed rate
- ▶ CNC-controlled cutting angle settings (automatic mitring; automatic, program-controlled processing of cutting sequences)
- ▶ Saw unit with drive system and saw blade, mounted under the turntable and carried in wear resisting pivot bearings. Heavy duty gear box with hardened and ground, helical gears

HARD FACTS

- ▶ Sawblade: 450 mm
- ▶ Drive performance: 1.8/2.7 kW (optional: 4.0 or 5.5 kW)
- ▶ Cutting speed: 10/20, 13/26, 15/30 (optional: 7–43 bzw. 15–75) m / min
- ▶ Single stroke length: 10–2.000 mm
- ▶ Multiple stroke length: 10–9.999 mm
- ▶ Feed rate: 0–1.000 mm/min
- ▶ Fast return stroke: 3.500 mm/min
- ▶ Machine weight: 2.500 kg
- ▶ Working range

	90°	45°
●○ Round material	150 mm	150 mm
■□ Square material	140 mm	130 mm
▬ Flat material	240 x 80 mm	185 x 60 mm
- ▶ Mitre range: 30°/90°/30°
- ▶ Mitre cuts: +/- 60°
- ▶ Tools: HSS-Tools

APPLICATIONS

Locksmith's shop, metal construction, automotive sector, elevators, wagon manufacturer, cranes, furniture industry, etc.

Some of the listed features are optional. More information here:

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POWERFUL SOLUTIONS –
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KALTENBACH

SAWS CLEVERER THAN OTHERS.

KKS 463 NA

FULLY-AUTOMATIC UNIVERSAL CIRCULAR
SAW CNC CONTROLLED

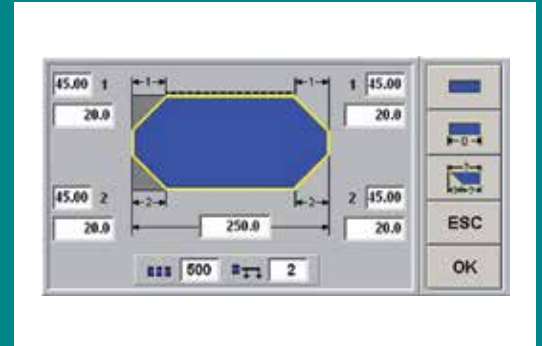
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KKS 463 NA FULLY-AUTOMATIC UNIVERSAL CIRCULAR SAW



ADVANTAGES AT A GLANCE:

- ▶ Machine body of heavy duty torsion-resistant complete-steel version in welded construction
- ▶ Automatic processing of flat-, angle- and solid materials and tubes
- ▶ Automatic sorting of cuts, remaining and good parts
- ▶ Multiple front and back cuts
- ▶ High cutting quality through workpiece clamping on both sides of the saw blade, automatic adjustment of the cutting speed and the optimal feed rate
- ▶ Minimal end-piece lengths (< 15 mm) through special gripper design, measuring cut-off gripper and swiveling vertical clamping vice
- ▶ Simple operation and programming via touch screen



HARD FACTS

- ▶ Sawblade: 460 mm
- ▶ Drive performance: 5,2 kW resp. 9,5 kW
- ▶ Cutting speed: 7 – 60 resp. 15 – 120 m/min
- ▶ Single stroke length: 1.500 mm
- ▶ Multiple stroke length: 9.999 mm
- ▶ Feed rate: 0 – 1.000 mm/min
- ▶ Fast return stroke: 3.500 mm/min
- ▶ Machine weight: 4.900 kg
- ▶ Working range

	90°	45°
●○ Round material	153 mm	145 mm
■□ Square material	140 mm	125 mm
▬ Flat material	250 x 75 mm	180 x 70 mm
- ▶ Mitre range: 30°/90°/30°
- ▶ Autom. mitre cuts: +/- 60°
- ▶ Tools: HSS-Tools

APPLICATIONS

Metal construction, automotive sector, elevators, wagon manufacturer, cranes, furniture industry, etc.



NEW VERTICAL DRILL AXIS FOR THE KKS 463 NA: KDV

- ▶ The reality shows that sawed steel profiles in the further processing are provided with holes. To this the material walks mostly circumstantial through the production. In order to speed up this process the drilling machine KDV for the KKS 463 NA was developed.
- ▶ The KDV has a horizontal vice, a material supply gripper and a driven roller conveyor with three rolls.
- ▶ A fast and easy tool change is ensured.

INNOVATION

Some of the listed features are optional. More information here:

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 > MADE IN GERMANY

FOR PERFECTION IN LARGE NUMBERS.

MSK 471 NA

FULLY-AUTOMATIC UNIVERSAL CIRCULAR SAW
FOR STRAIGHT CUTTING

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE



KALTENBACH

MSK 471 NA

FULLY-AUTOMATIC UNIVERSAL SAW FOR STRAIGHT CUTTING



ADVANTAGES AT A GLANCE:

- ▶ Fully-automatic processing and sorting of finished pieces
- ▶ Low vibration due to extreme stiffness of the components
- ▶ Minimal end-piece lengths (50 mm)
- ▶ High productivity with good sawblade life
- ▶ Material feed gripper (movement via ballscrew spindle and brushless servo motor, single and multiple stroke)
- ▶ Sawblade feed with static ballscrew spindle (low vibration, variable, constant and fast feed; optimized sawblade clearance stroke; constant cutting depth)
- ▶ Combined drive for HSS and carbide equipped tools (alternative use of HSS and carbide tools for processing a wide range of materials; materials chart for HSS and carbide tools included in PROFICUT operating software)

HARD FACTS

- ▶ Sawblade: 460 mm
- ▶ Drive performance: 19 kW (optional: 32 kW)
- ▶ Cutting speed: 8–150 (optional: 50–300) m/min
- ▶ Single stroke length: 1.200 mm
- ▶ Multiple stroke length: 9.999 mm
- ▶ Feed rate: 0–2.000 mm/min
- ▶ Fast return stroke: 6.000 mm/min
- ▶ Machine weight: 4.750 kg
- ▶ Working range **90°**
 - Round material 152 mm
 - Square material 140 mm
- ▶ Tools: HSS / solid carbide

APPLICATIONS

Cylinder manufacturer, steel service center, machine construction, transport systems, shipyard, agriculture, etc.

Some of the listed features are optional. More information here:

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