STRONG AND QUICK, CUT FOR CUT.

KKS 451 NA
FULLY-AUTOMATIC UNIVERSAL CIRCULAR SAW
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: ø 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
  - Round material: 90° 150 mm 150 mm
  - Square material: 90° 140 mm 130 mm
  - Flat material: 90° 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:
WWW.KALTENBACH.COM  •  info@kaltenbach.de  •  Tel.: +49 (7621) 175-0  •  KALTENBACH GmbH + Co. KG  •  Blasiring 4  •  D-79539 Lörrach
TAKING THE BEST POSSIBLE CARE OF ALUMINIUM.

SKL 450 NA
FULLY-AUTOMATIC MITRE CIRCULAR SAW
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: Ø 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
  - Round material
    - 90° 160 mm, 45° 160 mm
  - Square material
    - 90° 145 mm, 45° 130 mm
  - Profile
    - 90° 320 x 50 mm, 45° 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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Technical data are subject to change. Errors excepted. 04/2013
WHEN SEMI-AUTOMATIC BRINGS FULL SATISFACTION.

SKL 450 E
SEMI-AUTOMATIC MITRE CIRCULAR SAW
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: $\phi$ 450 mm
- Drive performance: 3.7/4.7 kW
- Cutting speed: 1.950/3.900 m/min
- Feed rate: 0 – 3000 mm/min
- Fast return stroke: 4.500 mm/min
- Machine weight: 680 kg
- Working range: 90°
  - Round material: 160 mm
  - Square material: 145 mm
  - Profile: 320 x 50 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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SAWS CLEVERER THAN OTHERS.

KKS 463 NA
FULLY-AUTOMATIC UNIVERSAL CIRCULAR SAW CNC CONTROLLED
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

   △ 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.

Some of the listed features are optional. More information here:
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Technical data are subject to change. Error excepted. 04/2013
RUNS SMOOTHLY.
SAWS STRONGLY.

KKS 450 H
SEMI-AUTOMATIC MITRE CIRCULAR SAW
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: \( 450 \text{ mm} \)
- 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) \( \text{m/min} \)
- Feed rate: 0–1.000 mm/min
- Fast return stroke: 3.300 mm/min
- Machine weight: 1.050 kg
- Machine dimensions: \( (L \times W \times H): 1.320 \times 1.020 \times 2.000 \text{ mm} \)
- 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.

Some of the listed features are optional. More information here:
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FOR HEAVY-DUTY.
OF GREAT VALUE.

KKS 400 E
SEMI-AUTOMATIC MITRE CIRCULAR SAW

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE
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 accessibility 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: Ø 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
  - Round material: 90°
  - Square material: 90°
  - Flat material: 120 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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STEPLESSLY VARIABLE.
ALWAYS AT YOUR SIDE.

KKS 400 T
SEMI-AUTOMATIC MITRE CIRCULAR SAW

MADE IN GERMANY
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: Φ 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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FOR PERFECTION IN LARGE NUMBERS.

MSK 471 NA
FULLY-AUTOMATIC UNIVERSAL CIRCULAR SAW FOR STRAIGHT CUTTING
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: Ø 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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Technical data are subject to change. Errors excepted. 04/2013
PRECISION PLUS POWER EQUALS QUALITY.

KBS 400 DG NA
FULLY-AUTOMATIC, DOUBLE-COLUMN MITRE BAND SAW
KBS 400 DG NA
FULLY-AUTOMATIC, DOUBLE COLUMN
MITRE BAND SAW

ADVANTAGES
AT A GLANCE:

- Vertical saw in robust twin-column construction
- Single, layer and bundle cuts
- Excellent band life and the best cutting quality due to an inclined sawband
- High cutting performance due to a powerful drive motor
- NC-controlled cutting angle setting
- Machine operation via graphical user interface with touch screen
- Sawband drive/Sawband feed (strong drive power for increased cutting speed; infinitely-variable sawband feed can be adjusted directly on the saw frame; long sawband life even with the most varied material dimensions)
- NC-controlled cutting angle setting (adjustment of free-standing control console; automatic, hydraulic clamping of the machine after reaching the mitre setting)
- Material feed gripper (feed gripper with hydraulic clamping unit; positioning drive with servo motor and planetary gearing over precision measuring rack and absolute rotary encoder; minimal remnant lengths due to optimized gripper contour)

HARD FACTS

- Sawband: 5.730 x 34 x 1.1 mm
- Drive performance: 3.0 kW
- Cutting speed: 15 – 90 m / min
- Feed rate: 0 – 300 mm / min
- Fast return stroke: 2.500 mm / min
- Machine weight: 3.600 kg
- Machine dimensions: (L x W x H): 2.710 x 4.520 x 2.150 mm

APPLICATIONS
Steel fabrication, steel service center, automotive sector, agriculture, machine construction, etc.

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