POWERFUL SOLUTIONS –
PASSIONATE PEOPLE

KALTENBACH

FAST CUTS.
UNDER THE TOUGHEST CONDITIONS.

HDM 1432
THE COLD SAW

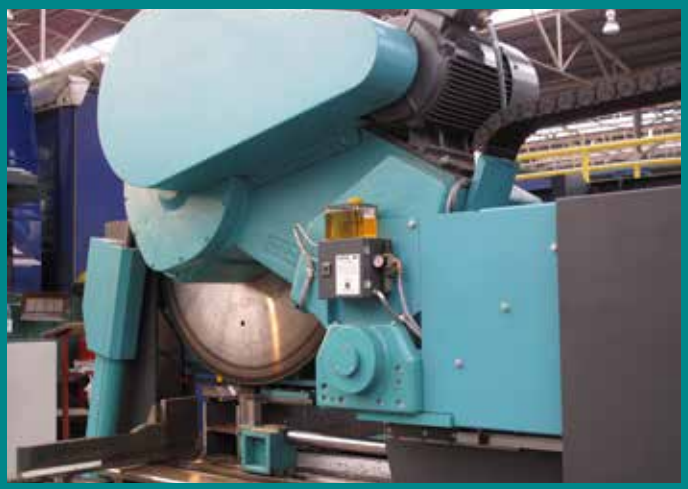
> MADE IN GERMANY

HDM 1432 - THE COLD SAW

Top performance for the structural and steel stockholding industries. The HDM 1432 is designed for the toughest applications and requirements regardless of the material cross-section in the steel construction sector. The HDM 1432 easily copes with large material section, in record braking time, and can be incorporated into a Sawing/ Drilling cell. Strengths: The rapid cutting of structural steel sections both straight and mitred and either single bar or bundles.

THE ADVANTAGES AT A GLANCE:

- Workingarea (w x h): 1.200 × 450 mm
- **Vertical downfeed via servo driven ball screw on solid trunion bearing, giving unrivalled performance**
- High cutting performance via 22kW Saw Motor
- Single bar or bundle cuts without additional set-up
- Will accept DStV data direct from modern CAD systems
- Can be integrated into Saw/Drill cell
- **Machine operation via** modern PROFICUT software with simple user interface



For further information:
WWW.KALTENBACH.COM · info@kaltenbach.de · Tel.: +49 (7621) 175-0 · KALTENBACH GmbH + Co. KG · Blasiring 4 · D-79539 Lörrach

> MADE IN GERMANY

PRECISION PLUS POWER EQUALS QUALITY.

KBS 400 DG NA

FULLY-AUTOMATIC, DOUBLE-COLUMN MITRE BAND SAW

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE

KALTENBACH

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 reachig 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 lenghts 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
- Working range
  - ■□ Square material 400 x 350 mm
- Stroke length single stroke: 2.600 mm
- Mitre range: -45° / 90° / +30°
- Tools: Bi-Metal

APPLICATIONS

Steel fabrication, steel service center, automotive sector, agriculture, machine construction, 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

> MADE IN GERMANY

GREAT COMBINATION

KBS 620 + KDE 603

SAW-DRILL-LINE

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE

KALTENBACH

KBS 620 + KDE 603
SAW-DRILL-LINE

ADVANTAGES AT A GLANCE:

- Minimal production time
- Optimal automation solution for small and medium enterprises
- Best price-performance ratio
- Working range for profiles with a width of 50 – 600 mm
- Three drill axes from 6,8 – 31,75 mm
- DSTV-Interface, processing of NC-files from part list programs
- Mitre range -45° / 90° / +30°

1 Electro-Mechanical Drill Feed (KDE 603)
2 Quick-Change Chuck with Tool Holder (KDE 603)
3 Saw-Band Drive / Saw-Band Feed (KBS 620 DG)
4 NC-Controlled Cutting-Angle Setting (KBS 620 DG)

HARD FACTS KBS 620 DG:

- Sawband: 6.175 x 41 x 1,3 mm
- Drive performance: 4 kW
- Cutting speed: 15 – 90 m / min
- Feedrate: 0 – 300 mm / min
- Rapid return movement: 2.500 mm / min
- Machine weight: 2.600 kg
- Machine dimension (L x W x H): 3.000 x 1.160 x 2.280 mm
- Working range
  - Max. 620 x 350 mm
  - Min. 10 x 10 mm
- Mitre range: - 45° / 90° / +30°
- Tools: Bi-Metal

HARD FACTS KDE 603:

- Feedrate: 10 – 1.500 mm / min
- Rapid return movement: 11.000 mm / min
- Machine weight: 3.500 kg
- Machine dimension (L x W x H): 3.520 x 1.500 x 2.470 mm
- Working range
  - Max. 600 x 500 mm
  - Min. 50 x 5 mm
- Drilling units: 3
- Drill diameter: 6,8 – 31,75 mm
- Number of tools per axis: 1
- Drive performance per axis: 5 kW
- Spindle speed max.: 200 – 1.600 min-1
- Tools: HSS-Tools

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

> MADE IN GERMANY

WITH COMBINED FORCES

KBS 1051 DG + KDM 1015

SAW-DRILL-LINE

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE

KALTENBACH

KBS 1051 DG + KDM 1015
SAW-DRILL-LINE

1 Saw Band Drive (12,9 kW) / Saw Band Feed (KBS 1051 DG)

2 AFC – Auto Feed Control (KBS 1051 DG)

3 Tool change unit (KDM 1015)

4 High Speed Contour Marking (KDM 1015)

ADVANTAGES AT A GLANCE KBS 1051 DG:

- **Vertical Saw in robust twin-column construction**
- **AFC (Auto Feed Control) variable saw band incline angle 3 – 10°**
- **Mechanical feed with ballscrew spindle and servomotor**
- **Self-adjusting profile clamping including cross-section measurement**
- **Machine operation via modern steel-construction software package**

ADVANTAGES AT A GLANCE KDM 1015:

- **Machine operation via modern steel-construction software package**
- **Efficient drilling, centre marking and counter-sinking (standard) – thread cutting (optional)**
- **Use of HSS, carbide and solid carbide drills**
- **Three drill axes with a total of 15 tools and automatic tool-changing system**
- **Combinable to a Saw-Drill-Line or a Coping-Robot**
- **High Speed Contour Marking (optional)**
  - Application of reference boundaries for welding add-on pieces
  - DSTV-Data Import
  - Use of high-speed carbide tools
  - In addition to the three drill axis – marking from the bottom (4th axis)

HARD FACTS KBS 1051 DG:

- Sawband: 8.900 x 54 x 1,6 mm
- Drive performance: 12,9 kW
- Cutting speed: 15 – 150 m / min
- Feedrate: 0 – 600 m / min
- Rapid return movement: 6.000 m / min
- Machine weight: 5.800 kg
- Machine dimension (L x W x H): 4.370 x 1.435 x 2.650 mm
- Working range
  - Max. 1.030 x 500 mm
  - Min. 30 x 10 mm
- Mitre range: -40° / 90° / +30°
- Tools: Carbide/Bi-Metal

HARD FACTS KDM 1015:

- Feedrate: 0 – 1.500 mm / min
- Rapid return movement: 0 – 17.000 mm / min
- Machine weight: 6.500 kg
- Machine dimension (L x W x H): 5.400 x 1.700 x 3.800 mm
- Working range
  - Max. 1.000 x 500 mm (W x H)
  - Min. 50 x 5 mm (W x H)
- Drilling units: 3
- Drilling diameter: 6,8 – 40 mm
- Number of tools per axis: 5
- Drive performance per axis: 29,5 kW
- Spindle speed max.: 150 – 2.500 min-1
- Tools: Carbide/Solid Carbide/HSS

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

> MADE IN GERMANY

TWO STRONG MACHINES COMBINED

KBS 1301 + KDL 1318

SAW-DRILL-LINE

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE

KALTENBACH

KBS 1301 + KDL 1318
SAW-DRILL-LINE

1 Saw Band Drive/ Saw Band Feed (KBS 1301)

2 Horizontal and Vertical Profile Claming (KBS 1301)

3 Tool Change Unit (KDL 1318)

4 High Speed Contour Marking (KDL 1318)

ADVANTAGES AT A GLANCE KBS 1301:

- Vertical saw in robust twin-column construction
- Single, layer and bundle cuts
- Excellent band life and the best cutting quality due to an inclined saw band
- High cutting performance due to a powerful drive motor
- NC-controlled cutting-angle setting
- Machine operation via modern steel-construction software package

ADVANTAGES AT A GLANCE KDL 1318:

- Clear and easy machine operation
- Simplified tool change
- Reduced tool change time during operation, due to tool changing device with disk magazine fixed at the drill carriage
- Minimum quantity lubrication system (booster system) for optimal internal and external cooling
- Automatic drill length measuring during running process, without additional non-productive time

HARD FACTS KBS 1301:

- Saw band: 9.800 x 67 x 1,6 mm
- Drive performance: 9,2 kW
- Cutting speed: 15 – 100 m / min
- Feedrate: 0 – 300 m / min
- Machine weight: 7.000 kg
- Machine dimension (L x W x H): 5.010 x 1.650 x 3.105 mm
- Working range
  - Max. 1.300 x 700 mm
  - Min. 50 x 15 mm
- Mitre range: -45° / 90° / +30°
- Tools: Bi-Metal

HARD FACTS KDL 1318:

- Feedrate: 0 – 5.000 mm / min
- Rapid return movement: 0 – 15.000 mm / min
- Machine weight: 11.600 kg
- Machine dimension (L x W x H): 6.260 x 1.190 x 3.700 mm
- Working range
  - Max. 1.300 x 500 mm (W x H)
  - Min. 60 x 10 mm (W x H)
- Drill units: 3
- Drill diameter: 8 – 50 mm
- Number of tools per axis: 6
- Drive performance per axis: 34,5 kW
- Spindle speed max.: 150 – 2.500 min-1
- Tools: Carbide/Solid Carbide/HSS

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

> MADE IN GERMANY

HIGH PERFORMANCE 3 AXIS DRILLING AND MACHINING.

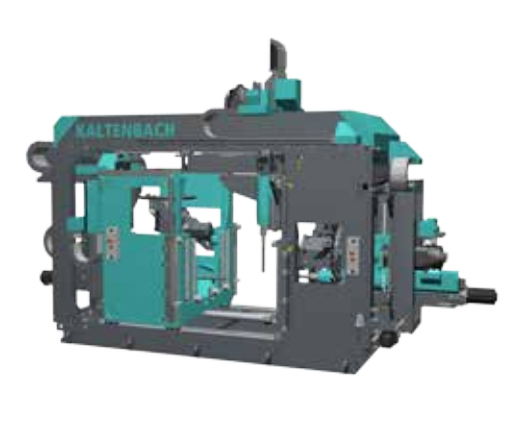
KDP SERIES

PROFILE DRILLING MACHINES

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE

KALTENBACH

KDP SERIES
PROFILE DRILLING MACHINES



The KDP series (**K**ALTENBACH **D**rilling **P**erformance) offers three machine models and a maximum material width capacity of 750 mm, 1030 mm and 1330 mm, respectively. The machines are optimised for use with our high-performance band saws to give the highest levels of performance and automation. A key advantage of the KDP series is that the drilling axes have a movement range of 500 mm along the material length. This boosts productivity by up to 50%, through the ability of each axis to independently carry out drilling and milling operations without the need to adjust the material position.

The KDP series can be used with standard, heavy duty spindles or an alternative version, specifically designed for a higher proportion of milling work. Both are complimented with large, 12 position tool changers on each axis, providing increased capacity to permit a wide range of processes.

ADVANTAGES AT A GLANCE:

- **Efficient drilling, centre-marking, milling, contour marking, counter-sinking and thread-cutting on all 3 axes simultaneously**
- **Axes able to move by 500 mm to boost productivity by up to 50%**
- **Powerful indirect drive concept for high-performance machining**
- **Two spindle options to optimise the machine for the customers' process requirements**
- **Large, 12 position tool changers on each axis, ensuring process versatility with low setup times**
- **Robust clamping system and spindle design to reduce vibration and extend tooling life**
- **Modern software package for simple programming, efficient nesting, flexible evaluation and production data reporting**
- **Sturdy machine construction to guarantee a long service life and high return on investment**
- **Low-maintenance lubrication concept, with grouped lubrication points for easy access during maintenance**

HARD FACTS:

- Working range
  - max. 750/1030/1330 x 600 mm (W x H)
  - min. 50 x 5 mm (W x H)
- Number of drilling axes: 3
- Drive power per axis: 34.5 kW
- Drill diameter: max. 50 mm
- Spindle speed: max. 5150 RPM
- Number of tools per drilling axis: 12
- Drilling axis speed: max. 22 m/min

Robust clamping system and large tool changer.

Solid spindle guide ideal for lateral milling force.

More information:
WWW.KALTENBACH.COM · info@kaltenbach.de · KALTENBACH GmbH + Co. KG · Blasiring 4 · D-79539 Lörrach · Tel.: +49 (7621) 175-0

> MADE IN GERMANY

FASTER.
MORE VERSATILE.
MORE PRODUCTIVE.

KF SERIES.
THE NEW KALTENBACH
PLATE PROCESSING CENTRES.

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE

KALTENBACH

THE NEW KALTENBACH KF SERIES.

The **K**ALTENBACH **F**lamecutting series (plate processing centres) has been completely revamped and relaunched as follows: KF 2114/28, KF 2614/28, KF 3114/28. Each machine is extremely versatile: Drilling, flame-cutting, boring, thread-cutting, centre marking, etching, marking, milling. The KF series can tackle the full range of maching tasks required for specific components for steel and plant fabrication such as end plates, base plates, gussets, ribs, flanges etc.

IMPROVEMENTS AT A GLANCE:

- Additional milling function
- Higher spindle speed
- Optional downholder roll for optimum plate contact pressure during milling
- Increased stability
- 14/28-place tool changer
- Less space needed for measuring carriage
- Measuring carriage runs through the machine to optimise plate fixation throughout the entire machining process
- Increased traversing speed of axes
- Plate thickness up to 100 mm

HARD FACTS

- Working range max. (W x L x H): 2100 / 2600 / 3100 x 6000 (12000) x 100 mm
- Unit weight of raw material max.: 10000 kg
- Output min. (W x L): 60 x 60 mm
- Space requirement (W x L x H): 7000 / 8000 / 9000 x 15500 x 5000 mm
- Machine weight: 11000 / 13000 / 14000 kg
- Output per axis: 34.5 kW
- Speed: 3500 rpm
- Vertical processing units (Y axis): 1 / 2
- Tool changer x magazine places: 1 x 14 / 2 x 14
- Drill diameter: 8 - 50 mm
- Tools: carbide, solid carbide, HSS
- Thermal cutting process: oxyfuel, plasma (optional)

Versatile machining options: Drilling, flame-cutting, counter-boring, thread-cutting, centre marking, etching, marking, milling.

14-place tool changer on up to two axles for shorter set-up times.

More information:
WWW.KALTENBACH.COM · info@kaltenbach.de · Tel.: +49 (7621) 175-0 · KALTENBACH GmbH + Co. KG · Blasiring 4 · D-79539 Loerrach

> MADE IN GERMANY

PERFECT PROCESSING – HIGHLY VARIABLE

KC 1201

PROFILE PROCESSING ROBOT:
COPING AT THE HIGHEST LEVEL

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE

KALTENBACH

KC 1201
PROFILE PROCESSING ROBOT: COPING AT THE HIGHEST LEVEL

ADVANTAGES AT A GLANCE:

- **Coping Robot Line with eight axes**
- **Portal frame machine design in robust welded construction to permit the incorporation of an industrial robot in swivel-joint construction**
- **Coping of H, U and L sections in addition to rectangular tubing and flat material**
- **Tried and tested six-axis KUKA robot**
- **Partial programming possibility via NC-DSTV files, integrated drawing program or macros**
- **Autogenous Gas and/or Plasma Cutting Procedure**
- **Processing Variants**
  - Additional gas cutting of a workpiece that has already been cut to length or drilled
  - Workpiece is flame cut to length
  - Straight cut, web flange mitre or combined mitre (two-angle cut)
  - Circular and slotted holes
  - Chamfers (welding edge preparation)
  - Longitudinal cuts
  - Castellated beams

HARD FACTS

- Machine weight: 9.500 kg
- Machine dimension (L x W x H): 4.080 x 4.940 x 3.850 mm
- Working range
  - Max. 1.200 x 450 mm
- Bevel angle max.: 45°

APPLICATIONS

Steel fabrication and steel service center

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

> MADE IN GERMANY

FAST AND STURDY. FOR YOUR INDIVIDUAL REQUIREMENTS.

KPS-A 167-207

THE IMPROVED PUNCHING AND SHEARING SYSTEM
BUILT WITH PASSION

POWERFUL SOLUTIONS –
PASSIONATE PEOPLE

KALTENBACH

KPS-A 167-207 - THE PUNCHING AND SHEARING SYSTEM

The **K**ALTENBACH **P**unching and **S**hearing System is based on our years of experience. It was completely redesigned in 2013 and developed for requirements such as low maintenance, speed and robustness. The KPS series is suitable for punching and shearing angle and flat steel. Their robust and low-maintenance design and fast processes ensure maximum productivity.

ADVANTAGES AT A GLANCE:

- High punching and shearing force
- The design is influenced by years of experience in punching and shearing
- Sturdy construction for low vibration and thus improved punching and shearing results
- Compact machine design for space-saving installation
- User-friendly MULTILINE Software
- Low maintenance design with optimal access
- Quick tool change system minimal idle time
- Automatic die clearance setting for the highest quality shear

HARD FACTS

- Working height: 1050 mm
- Machine dimensions: 1985 x 2350 x 2550 mm
- Weight: 10000 / 10400 kg
- Capacity range, angle, min: 40 x 40 x 5 mm
- Capacity range, angle, max: 160 x 160 x 19 / 200 x 200 x 25 mm
- Number of standard punching units: 2
- Number of tools per punch unit: 3
- Main hydraulic power unit, motor performance max: 30 kW

APPLICATIONS

Masts construction, Steel contruction, Steel trading

OPTIONS

- Automatic leg length measurement
- Good part/sorting device
- Flat steel processing
- Sign stamper with triple embossing wheel
- Cross conveyor

Low vibration and durable shearing unit made of cast steel

Automatic measurement of the material thickness

Universal gripper for processing angle and flat steel

Quick tool change system for minimal set-up times

More information here:
WWW.KALTENBACH.COM · info@kaltenbach.de · Tel.: +49 (7621) 175-0 · KALTENBACH GmbH + Co. KG · Blasiring 4 · D-79539 Lörrach