

Klaascan

Machines en machinetoebehoren



KLAASSEN MACHINES ENSCHEDE

Aluminium

High-performance semiautomatic and automatic circular saws for efficient cutting of softer materials, such as harder plastics or aluminium and copper alloys.

With their high variability and a wide range of accessories, Aluminium machines are prepared to form efficient, fully automatic cutting centres.

Strong emphasis is also laid on the machine operation in terms of safety and simplicity.

Replacement of individual parts and circular blades is also very fast.

AL 400 Semi - Automatic



A semiautomatic circular saw designed for cutting profiles and, to a lower extent, also full materials from aluminium alloys, copper, and hard plastics. The saw may be simply connected to an extraction device. The machine is equipped with mist lubrication and vertical pneumatic clamping devices for safe clamping of the material processed. Due to safety reasons, the left clamping device is fitted with a safety valve for situations when air pressure

drops. The machine may also be fitted with horizontal clamping devices. The blade downfeed is controlled pneumatic-hydraulically, the cutting speed is controlled by an overflow valve located on the main control panel. A well arranged and easy-to-read angle scale is located on the front side of the table. The cutting height of the circular blade is set from the

maincontrol panel. If a feeding system is added, the saw may become a fully automatic device.



Vertical material clamping



Angle scale

Adjustable table jaws



Well-dimensioned control panel

Oil mist lubrication and cooling



Input pressure indicator and regulation with a filter

Simple circular blade replacement, cover secured with a time lock

Simple anchoring of the machine



Easy forklift handling (if basic rules for moving machines are observed)



AL 400 Semi - Automatic

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Semiautomatic circular saw designed for cutting profiles and, to a lower extent, also full materials from aluminium alloys, copper, and hard plastics. The saw may be simply connected to an extraction device.

The machine is equipped with mist lubrication. If a feeding system is added, the saw may become a fully automatic device.

Price list

Cutting parameters

| | | | | | | | |
|------|-----|--------|--------|-----|----------------|---|---|
| | | | | | | | |
| 60°L | 96 | 100x55 | 45x125 | 85 | - | - | - |
| 0° | 120 | 220x25 | 90x120 | 120 | (jaw in front) | - | - |
| 0° | 90 | 285x70 | 285x70 | 70 | (jaw in back) | - | - |
| 45°R | 120 | 150x40 | 65x125 | 100 | - | - | - |
| 60°R | 196 | 100x55 | 45x125 | 85 | - | - | - |

Technical data

| | |
|-----------------------|---------------------|
| Working mode..... | semiautomatic |
| Mitre cuts range..... | -60° - 0° - 60° |
| Drive | 3 kW, 3x400 V/50 Hz |
| Air pressure | 0,4 - 0,6 bar |
| Saw blade speed | 50 m/sec. |
| Saw blade size | 400 mm |

Machine dimensions

| | |
|--------------|----------------|
| Length..... | 1 000 mm |
| Width | 2 200 mm |
| Height | 1 450/1 850 mm |
| Weight | 190 kg |

* all the prices are excluding VAT



With a wide range of accessories and connection pieces to BOMAR bandsaws, the "M" System is an ideal partner for handling material in your workshop. Thanks to their default length, roller tracks may be flexibly adjusted to any environment.



Variable location of adjustable feet

Vertical rollers keeping the material stable



Solid plastic rollers provide continuous movement of the material and protect it against damages.

Solid construction of a supporting profile

Adjustable feet

Roller conveyor M330 x 300 mm

Sample assembly

| Ord.Num. | Description | Marking | EUR/Pcs |
|----------|------------------------------|---------|---------|
| 254.002 | Connecting part M330 right | MA-2 | |
| 254.003 | Connecting part M330 left | MA-3 | |
| 254.009 | CNC controlled material stop | MNCA | |

Innovative accessories

The AL 400 circular saw is supplied with unrivalled equipment. With intelligent optional equipment and accessories, the machine may be adapted precisely to individual requirements.

...for more information see page 110



MNCA length stop

Simple control, high positioning speed and precision guarantee maximum time and cost saving in material preparation



Horizontal clamping

Vices may be additionally equipped with a horizontal clamping system to ensure more stable and variable material fastening



Extraction device

Mobile, flexible extraction system with filter cylinders and a section for waste material collection



Side covers

Providing protection against dust and remains of processed material. Simple installation and immediate effect



Extraction set

The set is connected directly to the circular blade. Remaining material is efficiently extracted to a collection container. The extraction set is located in the machine base

For further information on the machine and its possible extension, please contact our sales department.

AL 500 Semi - Automatic



Semiautomatic circular saw designed for cutting profiles, materials from aluminium alloys, copper, and hard plastics. The machine is equipped with mist lubrication and vertical pneumatic clamping devices for safe clamping of the material processed. Due to safety reasons, the left clamping device is fitted with a safety valve for situations when air pressure drops. The machine may also be fitted with horizontal clamping de-

vices. The circular blade downfeed is pneumatic-hydraulically controlled, the cutting speed is controlled by an overflow valve located on the main control panel. The machine is equipped with a turntable turning synchronously with the circular blade, thus the material may be cut from both sides in the range 60° left / 60° right. Turning of the table with the circular blade is manual, performed simply from the operator's position.

A well arranged and easy-to-read angle scale is located on the front side of the table. The saw may be simply connected to an extraction device. If a feeding system is added, the saw may become a fully automatic device.



Vertical material clamping



Angle scale



Adjustable table jaws

Oil mist lubrication and cooling



Well-dimensioned control panel



Input pressure indicator and regulation with a filter

Simple circular blade replacement, cover secured with a time lock

Simple anchoring of the machine

Easy forklift handling
(if basic rules for moving machines are observed)



AL 500 Semi - Automatic

KLAASSEN MACHINES ENSCHEDE

Semiautomatic circular saw designed for cutting profiles and, to a lower extent, also full materials from aluminium alloys, copper, and hard plastics. The saw may be simply connected to an extraction device. The machine is equipped with mist lubrication. If a feeding system is added, the saw may become a fully automatic device.

Price list

Cutting parameters

| | | | | | | | |
|------|-----|--------|--------|-----|----------------|---|---|
| | | | | | | | |
| 60°L | 120 | 120x70 | 55x170 | 115 | - | - | - |
| 0° | 170 | 265x25 | 90x175 | 150 | (jaw in front) | - | - |
| 0° | 135 | 395x70 | 95x375 | 95 | (jaw in back) | - | - |
| 45°R | 150 | 180x50 | 80x170 | 130 | - | - | - |
| 60°R | 120 | 120x70 | 55x170 | 105 | - | - | - |

Technical data

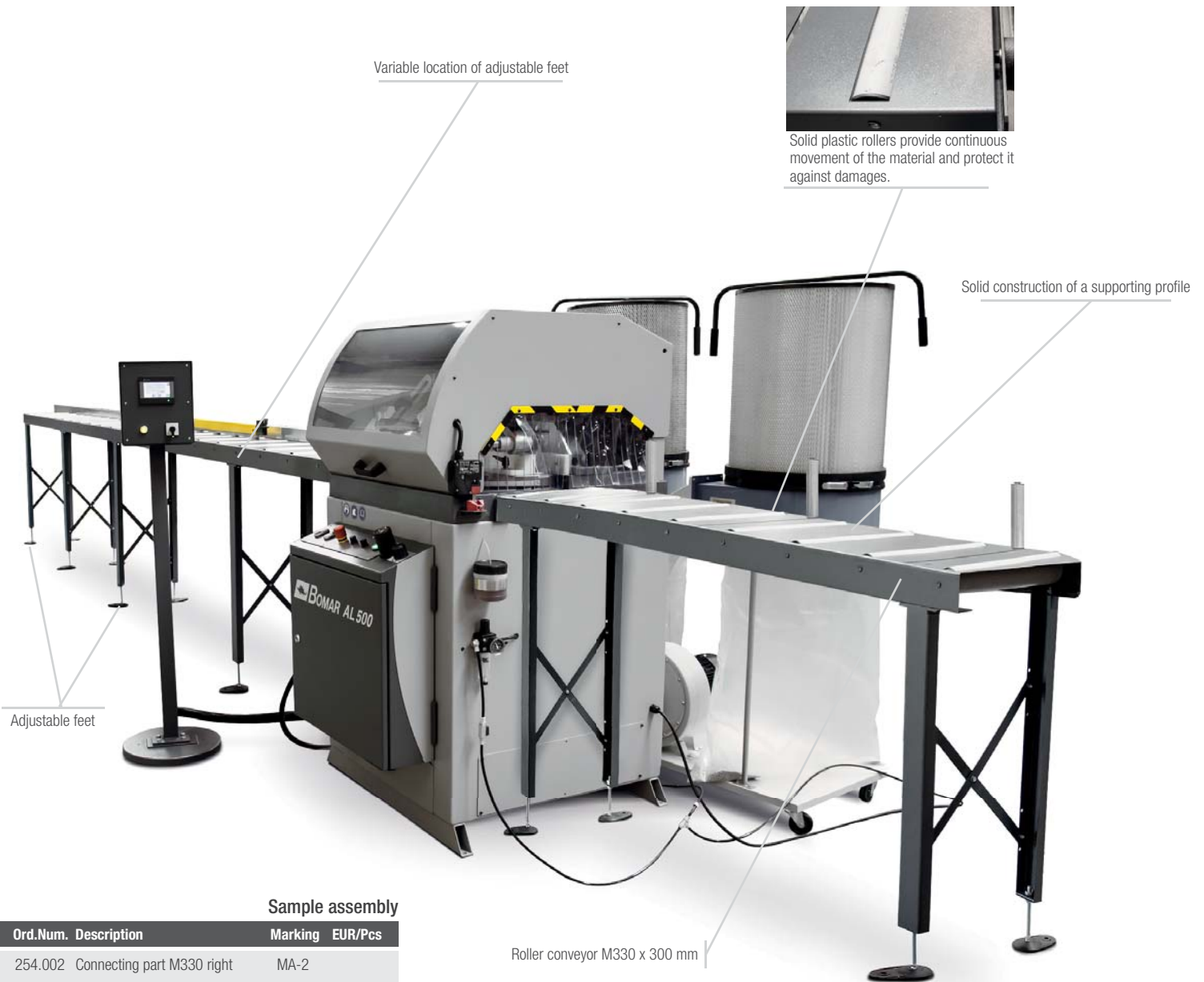
Machine dimensions

| | |
|-----------------------|---------------------|
| Working mode..... | semiautomatic |
| Mitre cuts range..... | -60° - 0° - 60° |
| Drive | 3 kW, 3x400 V/50 Hz |
| Air pressure | 0,4 - 0,6 bar |
| Saw blade speed | 50 m/sec. |
| Saw blade size | 400 mm |

| | |
|--------------|----------------|
| Length..... | 1 000 mm |
| Width | 2 200 mm |
| Height | 1 450/1 850 mm |
| Weight | 190 kg |



With a wide range of accessories and connection pieces to BOMAR bandsaws, the "M" System is an ideal partner for handling material in your workshop. Thanks to their default length, roller tracks may be flexibly adjusted to any environment.



Sample assembly

| Ord.Num. | Description | Marking | EUR/Pcs |
|----------|------------------------------|---------|---------|
| 254.002 | Connecting part M330 right | MA-2 | |
| 254.003 | Connecting part M330 left | MA-3 | |
| 254.009 | CNC controlled material stop | MNCA | |

Innovative accessories

The AL 500 circular saw is supplied with unrivalled equipment. With intelligent optional equipment and accessories, the machine may be adapted precisely to individual requirements.

...for more information see page 110



MNCA length stop

Simple control, high positioning speed and precision guarantee maximum time and cost saving in material preparation



Horizontal clamping

Vices may be additionally equipped with a horizontal clamping system to ensure more stable and variable material fastening



Extraction device

Mobile, flexible extraction system with filter cylinders and a section for waste material collection



Side covers

Providing protection against dust and remains of processed material. Simple installation and immediate effect



Extraction set

The set is connected directly to the circular blade. Remaining material is efficiently extracted to a collection container. The extraction set is located in the machine base

For further information on the machine and its possible extension, please contact our sales department.

AL 600 Semi - Automatic



Automatic circular saw designed for cutting profiles and full materials from aluminium alloys, copper, and hard plastics for perpendicular cuts.

The saw is equipped with fixed and movable feeding vices with precise positioning provided with a ball screw.

The blade downfeed is controlled pneumatic-hydraulically.

The length of individual feeding is 500 mm.

The feeding length and the circular blade cutting height are

set from the main control panel located on the front side of the machine. Cutting speed is controlled by an overflow valve.

The saw may be simply connected to an extraction device for simple and safe extraction of cutting remains.

By adding conveyors and material containers to the saw a completely automated and highly-performance cutting centre may be formed.



Vertical material clamping



Angle scale



Adjustable table jaws

Oil mist lubrication and cooling



Well-dimensioned control panel



Input pressure indicator and regulation with a filter

Simple circular blade replacement, cover secured with a time lock

Simple anchoring of the machine

Easy forklift handling
(if basic rules for moving machines are observed)



AL 600 Semi - Automatic

The saw may be simply connected to an extraction device. The machine is equipped with oil lubrication (Mikronizer). By adding conveyors and material containers to the saw a completely automated cutting centre for nonferrous metals may be formed.

Price list

Cutting parameters

| | ○ | □ | ▭ | □ | ● | ■ | ⊞ |
|------|-----|--------|---------|-----|----------------|---|---|
| 60°L | 145 | 155x50 | 40x225 | 125 | - | - | - |
| 0° | 205 | 310x50 | 110x210 | 175 | (jaw in front) | - | - |
| 0° | 170 | 500x50 | 125x445 | 125 | (jaw in back) | - | - |
| 45°R | 180 | 215x50 | 50x225 | 155 | - | - | - |
| 60°R | 145 | 155x70 | 40x225 | 125 | - | - | - |

Technical data

| | |
|-----------------------|---------------------|
| Working mode..... | semiautomatic |
| Mitre cuts range..... | -60° - 0° - 60° |
| Drive | 3 kW, 3x400 V/50 Hz |
| Air pressure | 0,4 - 0,6 bar |
| Saw blade speed | 50 m/sec. |
| Saw blade size | 400 mm |

Machine dimensions

| | |
|--------------|----------------|
| Length..... | 1 000 mm |
| Width | 2 200 mm |
| Height | 1 450/1 850 mm |
| Weight | 190 kg |



With a wide range of accessories and connection pieces to BOMAR bandsaws, the "M" System is an ideal partner for handling material in your workshop. Thanks to their default length, roller tracks may be flexibly adjusted to any environment.



Vertical rollers keeping the material stable

Variable location of adjustable feet



Solid plastic rollers provide continuous movement of the material and protect it against damages.

Solid construction of a supporting profile

Adjustable feet 700 - 800 mm

Roller conveyor M330 x 300 mm

Sample assembly

| Ord.Num. | Description | Marking | EUR/Pcs |
|----------|------------------------------|---------|---------|
| 254.002 | Connecting part M330 right | MA-2 | |
| 254.003 | Connecting part M330 left | MA-3 | |
| 254.009 | CNC controlled material stop | MNCA | |

Innovative accessories

The AL 600 circular saw is supplied with unrivalled equipment. With intelligent optional equipment and accessories, the machine may be adapted precisely to individual requirements.

...for more information see page 110



MNCA length stop

Simple control, high positioning speed and precision guarantee maximum time and cost saving in material preparation



Horizontal clamping

Vices may be additionally equipped with a horizontal clamping system to ensure more stable and variable material fastening



Extraction device

Mobile, flexible extraction system with filter cylinders and a section for waste material collection



Side covers

Providing protection against dust and remains of processed material. Simple installation and immediate effect



Extraction set

The set is connected directly to the circular blade. Remaining material is efficiently extracted to a collection container. The extraction set is located in the machine base

For further information on the machine and its possible extension, please contact our sales department.

AL 500 ANC



Automatic circular saw designed for cutting profiles and full materials from aluminium alloys, copper, and hard plastics for perpendicular cuts. The saw is equipped with fixed and movable feeding vices with precise positioning provided with a ball screw. The blade downfeed is controlled pneumatic-hydraulically. The length of individual feeding is 500 mm. The feeding length and the circular blade cutting height are

set from the main control panel located on the front side of the machine. Cutting speed is controlled by an overflow valve. The saw may be simply connected to an extraction device for simple and safe extraction of cutting remains. By adding conveyors and material containers to the saw a completely automated and highly-performance cutting centre may be formed.



Robust feeding vice for precise material feeding



Safety cover

Simple operation from the control panel located on the front side of the machine



Input pressure indicator and regulation with a filter

Simple anchoring of the machine

Easy forklift handling (if basic rules for moving machines are observed)



AL 500 ANC

The saw may be simply connected to an extraction device. The machine is equipped with oil lubrication (Mikronizer). By adding conveyors and material containers to the saw a completely automated cutting centre for nonferrous metals may be formed.

Price list

Cutting parameters

| | | | | | | | |
|----|-----|---------|---------|-----|---|---|---------|
| | | | | | | | |
| 0° | 170 | 325x110 | 130x305 | 130 | - | - | 300x120 |

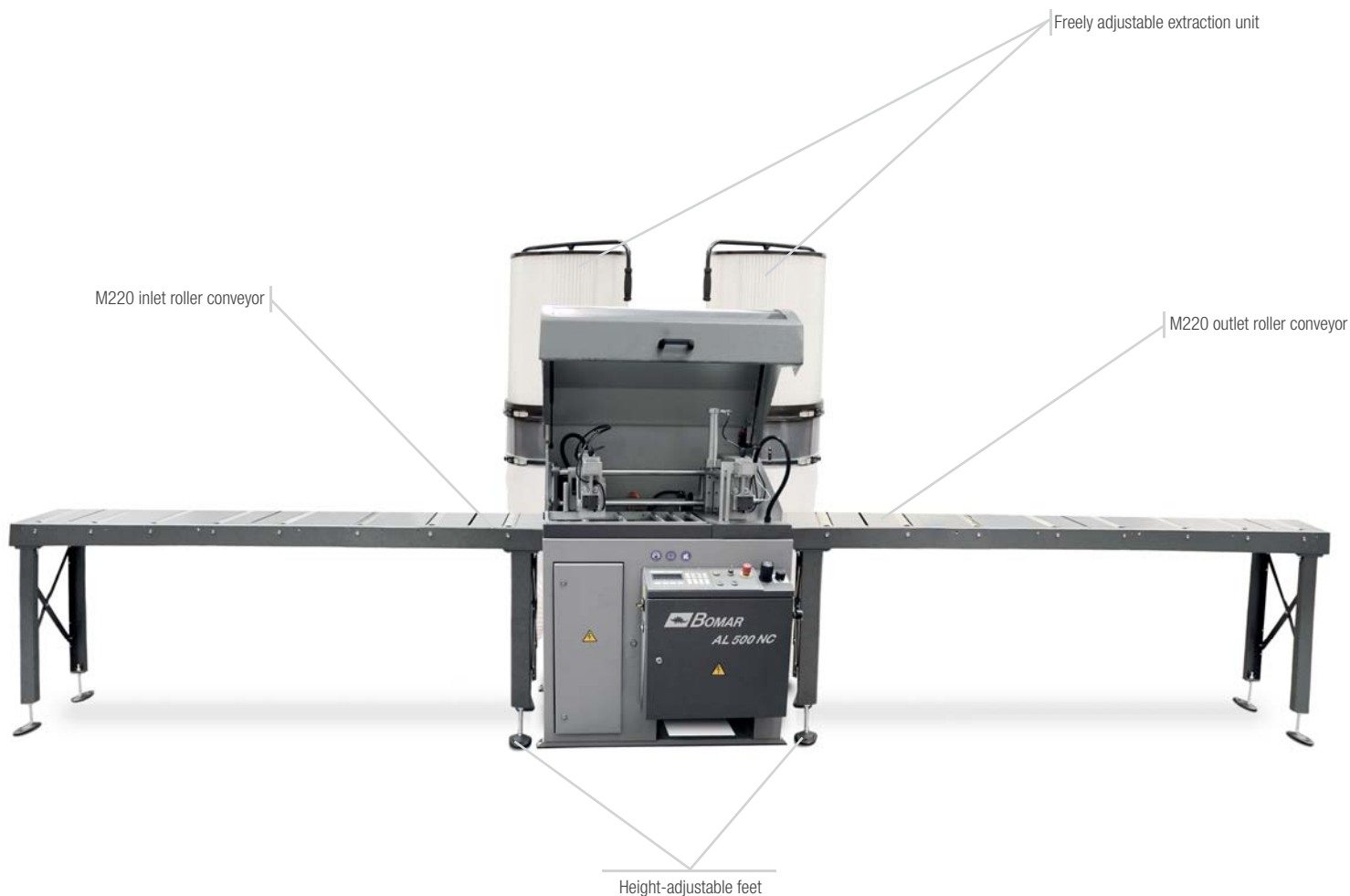
Technical data

| | |
|----------------------------------|---------------------|
| Working mode..... | automatic |
| Mitre cuts range..... | 0° |
| Drive..... | 4 kW, 3x400 V/50 Hz |
| Air pressure..... | 0,4 - 0,6 bar |
| Saw blade speed..... | 50 m/sec. |
| Saw blade size..... | 500 mm |
| Max. weight of fed material..... | 150 kg |
| Single material feed..... | 550 mm |

Machine dimensions

| | |
|-------------|----------|
| Length..... | 960 mm |
| Width..... | 1 794 mm |
| Height..... | 1 571 mm |
| Weight..... | 550 kg |

With a wide range of accessories and connection pieces to BOMAR bandsaws, the "M" System is an ideal partner for handling material in your workshop. Thanks to their default length, roller tracks may be flexibly adjusted to any environment.



Sample assembly

| Ord.Num. | Description | Marking | EUR/Pcs |
|----------|------------------------------|---------|---------|
| 254.002 | Connecting part M230 right | MA-2 | |
| 254.003 | Connecting part M230 left | MA-3 | |
| 254.009 | CNC controlled material stop | MNCA | |

Innovative accessories

The AL 500 ANC circular saw is supplied with unrivalled equipment. With intelligent optional equipment and accessories, the machine may be adapted precisely to individual requirements.

...for more information see page 110



Extraction set

The set is connected directly to the circular blade. Remaining material is efficiently extracted to a collection container. The extraction set is located in the machine base



Side covers

Providing protection against dust and remains of processed material. Simple installation and immediate effect



Extraction device

Mobile, flexible extraction system with filter cylinders and a section for waste material collection