

Semiautomatic machines – Double mitre cut both-sided 60°

Highly flexible profile circular saws with continuous double mitre cuts up to 60°. For length-wise cuts, the jaw with a stop may be moved backwards and the saw disk set to 0°. The machines are fully housed and operated through a double-handed start.

						
AL <i>400</i> semi	0°	120 mm	220×25 mm	90×125 mm	110 mm	Jaws in front
	0°	90 mm	285×70 mm	285×70 mm	70 mm	Jaws back
	left 60°	96 mm	100×55 mm	45×125 mm	85 mm	
	right 45°	120 mm	150×40 mm	65×125 mm	100 mm	
	right 60°	96 mm	100×55 mm	45×125 mm	85 mm	
Saw blade	400×30×3,6 mm					
Driving power	3 kW					
Cutting speed	50 m/s (with saw blade Ø400 mm)					
AL <i>500</i> semi	0°	170 mm	265×25 mm	90×175 mm	155 mm	Jaws in front
	0°	150 mm	295×70 mm	375×95 mm	95 mm	Jaws back
	left 60°	120 mm	120×70 mm	55×170 mm	115 mm	
	right 45°	155 mm	280×50 mm	80×170 mm	130 mm	
	right 60°	120 mm	120×70 mm	55×170 mm	115 mm	
Saw blade	500×30×4,1 mm					
Driving power	4 kW					
Cutting speed	50 m/s (with saw blade Ø500 mm)					
AL <i>600</i> semi	0°	205 mm	310×50 mm	110×210 mm	175 mm	Jaws in front
	0°	170 mm	500×50 mm	125×455 mm	125 mm	Jaws back
	left 60°	145 mm	155×50 mm	40×225 mm	125 mm	
	right 45°	180 mm	215×50 mm	50×225 mm	155 mm	
	right 60°	145 mm	155×50 mm	40×225 mm	125 mm	
Saw blade	600×30×4,6 mm					
Driving power	5,5 kW					
Cutting speed	50 m/s (with saw blade Ø600 mm)					

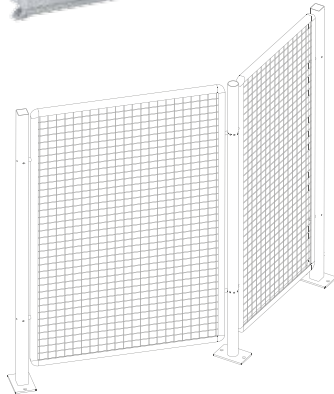
Fully automatic machines for direct cuts

An efficient circular saw for profiled material with a simple dialogue operation. The material is fed over a ball bolt and clamped with adjustable pneumatic rollers.

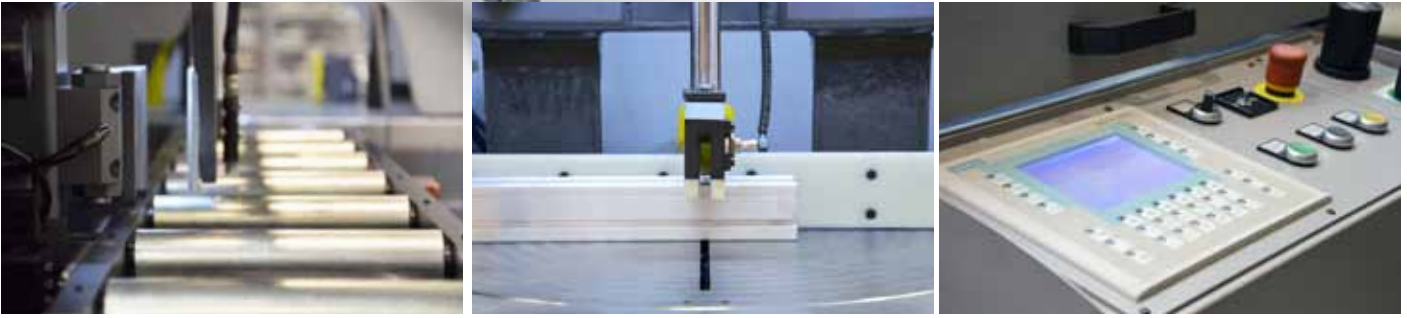
							
AL <i>500</i> A	0°	170 mm	325×110 mm	130×300 mm	130 mm	170 mm	130 mm
Saw blade	500×30×4,1 mm						
Driving power	4 kW						
Cutting speed	50 m/s (with saw blade Ø500 mm)						
One up-stroak	550 mm						

securflex® *Safety* with the system

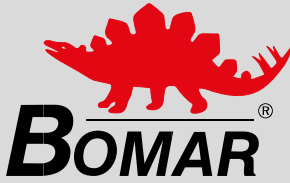
Personnel are the most valuable part of every business and must be protected in compliance with current safety criteria. The SECURFLEX safety system allows every device to be secured individually, depending on the environment and requirements. Besides grids, doors and maintenance elements, the system offers a laser light lock system for extensive safety, especially in the area of material feeding and removal in the cutting centre. The device safety is further secured by its division into safety circuits to prevent operation interruptions in other sections.



Changes and mistakes reserved.



ALUMINIUM 500 DGAnC



Universal *fully automatic machine*

Fully automatic both-sided mitre cuts up to 60° for aluminium and non-ferrous metals with 1,500 mm feeding. Machine control is provided by an advanced control through a touch-screen display.



Equipment as an argument

- Continuous, electromechanical both-sided mitre cuts up to 60°
- Vertical material clamping on the left and right of the saw disk
- Feeding length 1,500 mm in a simple stroke, up to 9,999 mm in a multiple stroke
- Through roller track up to the supporting table
- Linear measuring system along the whole feeding length
- Advanced SIEMENS CNC equipment with a large touch-screen display
- Dialogue control with maintenance and error messages in a decoded text
- Complete housing ensuring safety in compliance with current machine safety directives
- Ready for installation of exhausting devices
- All control elements located on the front side of the saw

AL 500 DGANC	0°	170mm	200×115mm	90×170mm	150mm	170mm	150mm
	right 45°	150mm	180×45mm	60×170mm	125mm		
	right 60°	115mm	125×45mm	170×40mm	105mm		
	left 45°	150mm	180×45mm	60×170mm	125mm		
	left 60°	115mm	125×45mm	170×40mm	105mm		
Saw blade	500×30×4,1 mm						
Driving power	4 kW						
Cutting speed	50 m/s						
One up-stroak	1500 mm						

Mitre cuts automatically

Thanks to continuous mitre cuts up to 45° left and 60° right, complicated cuts may be performed with high precision and time-saving automation. Programming is performed in simple steps with easy-to-read graphic displaying of individual sections.



Certified safety

! The Aluminium 500 DGANC saw is delivered with a Declaration of conformity with the current EU machinery Directive issued by TÜV Süd for the Czech Republic.



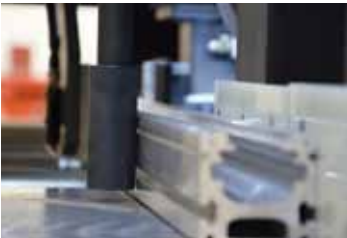
Elaborated to every detail



Material holder
Adjustable pneumatic holder of material on the output side.



Modern equipment
Control through a large touch-screen display, dialogue operation, and maintenance and error messages in the form of a decoded text.



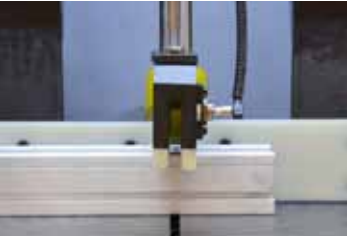
Horizontal clamping
Hydraulic horizontal clamping of material directly on the input side of the saw table



Through roller track
Integrated through roller track up to the circular saw table.



PVC surface
In order to prevent surface damages, both jaws of the saw table are fitted with PVC protectors.



Vertical material clamping
Vertical material clamping along both sides of the cut in the minimum distance from the saw disk.



Linear guiding
Accurately preloaded linear guiding on the feeding vice for precise material feeding.



Firm hold
Sand-blasted clamping jaws of the feeding vice for firm material holding during cutting.

Innovative *extension*



Remote diagnostics and maintenance
Data connection with the plant. Transmission of all important data of the machine leading to a significantly faster error removal.



USB Port
Simple, uncomplicated data transmission from prepared lists of cut sizes or a programming device using flash disks directly to the control memory.



ESA system
Thanks to the ESA system individual cuts are little time-intensive, thus the execution time of individual cuts decreases significantly.

System M – strong partner in handling

A flexible solution in the material input and output areas with possible extensions. Saws for cutting aluminium and non-ferrous metals may be equipped with roller tracks, including accessories such as vertical rollers, with plastic rollers protecting the material against damages during feeding.

