

Deburring

for laser cut parts



ARKU

Technology made with passion

Deburring machines for sheet metal

Deburr and edge round your sheet metal after laser cutting or punching with the EdgeBreaker® deburring machines. The individual models work with different deburring processes. They are suitable for different part dimensions and areas of application.



The right process for every requirement



Deburring

The burr can vary for laser cut and punched parts. Laser burrs, punching burrs or even laser splatters adhere to the part to varying degrees. The right deburring solution can solve this problem.



Edge rounding

Consistent edge rounding removes the sharpness along the edges of laser cut and punched parts. This prevents injuries and improves the further processing of the sheet metal part.



Oxide layer removal

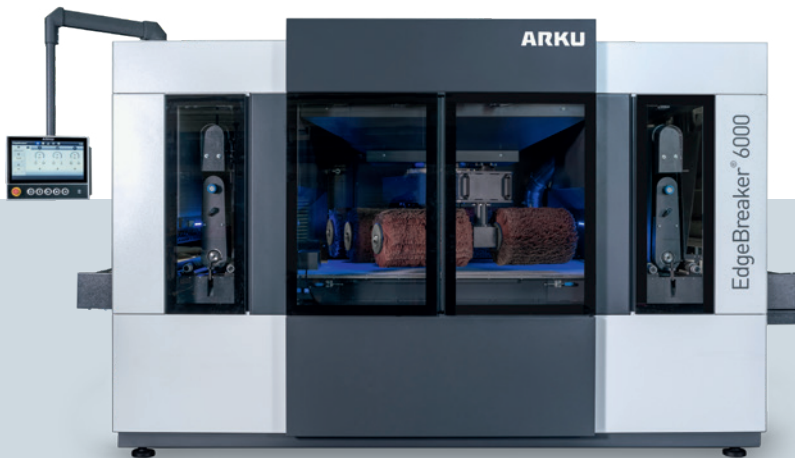
An oxide layer often appears on the cutting surface of sheet metal parts after laser or plasma cutting. Removing the oxide layer has a positive effect on quality and functionality.



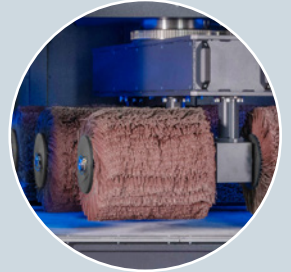
Surface finishing

Laser cut and punched parts often have high surface requirements. A beautiful surface is a pleasant side effect of deburring and rounding. Or simply give your sheet metal parts a desired finish.

Functions & efficiency



◀ EdgeBreaker® 6000



Rotary brushes achieve uniform rounding inside and out, up to 2,0 mm

Flexible processing of laser cut and punched parts

ARKU's deburring machines enable flexible processing of a wide range of punched and laser cut parts. Whether small parts or large laser cut parts, the EdgeBreaker® 6000 gives all sheet metal processing products the perfect finish. As a versatile all-rounder, it is particularly suitable for laser job shops.

Savings of 50% in production time

The EdgeBreaker® 3000 NEXT processes laser cut and punched parts from both sides simultaneously. Compared to single-sided machines, this saves more than 50% of production time. Mainly because this deburring machine not only eliminates the need for a second pass, but also the need to remove, flip and re-insert the parts. Compared to single-sided machines, you save more than 50% production time with EdgeBreaker® deburring machines.



Rounding brushes - for double-sided processing in a single pass

Always the right machine settings thanks to the ARKU Wizard

The ARKU Wizard is an intelligent feature that helps users to set up their deburring machine automatically.



Revolutionary deburring technology for your fiber laser cut parts






NEW

Cutting parts with a fiber laser can often leave behind stubborn burrs. These burrs can make the removal process difficult. The new EdgeBreaker® 3000 FIBER is specifically designed to reliably remove these burrs and ensure consistent edge rounding results.




EdgeBreaker® 3000 FIBER ▶

Models & applications

	Processing	Cutting process	Advantages	Deburring	Edge rounding	Surface finishing	Oxide removal	Max. passageway width	Min. part dimensions
EdgeBreaker® 1000 	single-sided ↓	Laser-cut and punched parts	<ul style="list-style-type: none"> All-rounder for small parts Integrated dust extraction Modular design 	✓	✓	✓		250 mm	15 x 15 mm
EdgeBreaker® 6000 	single-sided ↓		<ul style="list-style-type: none"> All-rounder for laser cut and punched parts Uniform edge rounding results up to 2mm Also suitable for small parts 	✓	✓	✓	✓	1,300 mm	50 x 50 mm
EdgeBreaker® 2000 NEXT 	double-sided ↕		<ul style="list-style-type: none"> Double-sided rounding in a single pass Quick-change for tools Automatic wear measurements for tools 		✓		✓	1.300 mm 1.650 mm 2.000 mm	180 x 100 mm
EdgeBreaker® 3000 NEXT 	double-sided ↕		<ul style="list-style-type: none"> Double-sided deburring and rounding in a single pass Quick-change for tools Automatic wear measurement for tools 	✓	✓		✓	1,300 mm 1,650 mm 2,000 mm	180 x 100 mm
EdgeBreaker® 3000 FIBER 	double-sided ↕		<ul style="list-style-type: none"> Double-sided deburring and rounding of fiber laser cut parts in a single pass Quick-change for tools Automatic wear measurement for tools 	✓	✓			1,300 mm	180 x 100 mm

ARKU Shop for spear and wear parts 24/7

You can order new grinding blocks, disc brushes, rotary brushes or grinding belts as well as non-woven belts around the clock. Personal consultations are also available of course.

Click here to go directly to the ARKU Shop 



ARKU Service 24/7 worldwide

Our service team ensures the availability of your machines via the international service hotline: +49 1805 552758



ARKU Maschinenbau GmbH
Siemensstr. 11, 76532 Baden-Baden
Germany
Tel.: +49 72 21 / 50 09-0
info@arku.com
www.arku.com

Scan the QR code and learn more about ARKU deburring machines



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