

ARKU

InfoMAX

The leveling and deburring experts

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Deburring

The next generation in deburring

Several premieres at the ARKU InfoDays.

Baden-Baden, Germany - As a specialist in leveling and deburring, the company is constantly setting new trends with innovative ideas and developments. And it does so in close cooperation with its customers.

suggestions from customers and turn them into successful solutions. This is why ARKU has been named one of the most innovative medium-sized companies in Germany several times (source: WirtschaftsWoche).

series of machines for this purpose under the names EdgeBreaker® 3000 NEXT and FIBER. Following a successful trial period, they have already been introduced. Their special feature: both machines can deburr and round metal sheets on both sides in just a single pass. „We have reached an even higher

“We are known for our innovative

The technology is further developed



Guests at the InfoDays can experience the latest deburring and leveling machines live in action. They will also have the opportunity to test their own sheet metal parts.

strength,” says Sales Manager Andreas Hellriegel. ARKU drives its product development forward in a team of technical and sales experts. They take specific

and optimized together with customers in the company’s own leveling and deburring centers. “This is done on the basis of specific applications and tests that we carry out on a daily basis,” says the Sales Manager. The aim is always to save the customer time and money. The customers in turn, come to ARKU with very specific requirements. One example of this is sheet metal parts that are cut with the fiber laser. Burrs are created during cutting, which are not easy to remove. ARKU has developed a whole

level thanks to those machines,” says Hellriegel happily. With these new machines, laser burrs can be deburred more reliably and cost-effectively than ever before, including sheets up to 2000 mm wide. Although speed is one of the key characteristics of the specialist from Baden-Baden, customer care is still the top priority. Before a machine is considered “tested”, it goes through a one-year testing phase. “Our first test customer is always ourselves,” explains the Sales Manager. Only when all the lights are green is a new machine ready for series production and placed on the market.



Looking ahead

The economic conditions have been quite volatile lately, and many businesses are feeling the impact. Investments have often been postponed, which is now becoming evident in the numbers. One thing is clear: without investments, it will be difficult to strengthen the competitiveness of our industry.

But isn't the order situation for many companies better than the mood conveyed in the media? At the very least, the investment package passed in Germany will bring some relief to certain industrial sectors.

At ARKU, we are looking ahead and will launch an innovation boom for our customers in 2025. This includes new models of our deburring machines and a strong setup to provide the best possible support for our customers when it comes to retrofitting coil processing lines.

We look forward to showing you all of this and more at the InfoDays in Baden-Baden. Will you be joining us from May 13th to 15th?

Gottfried Sihler
Chief Executive Officer

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Another innovation is the integration of the ARKU Wizard into the new machine models. This provides you with an intelligent user interface with which the machine adjusts itself automatically and avoids operating errors. "This has made the operation of deburring machines much simpler and more reliable for users," emphasizes the Sales Manager.

Sustainability is playing an increasingly important role in the new or further development of machines. Take energy consumption, for example: with the latest generation of the "EdgeBreaker®" series, energy savings of up to 40 percent can be achieved during the work process.

The high-quality standards that ARKU sets for its own deburring machines naturally also apply to the tools used in them. Here, the focus is consistently on further development, advice and availability from stock. If required, customers can access an online shop open around the clock with a comprehensive selection of grinding tools.

Customers from Germany and abroad can see the innovative power and "magic" of ARKU deburring machines and



GO MAGIC with the ARKU Wizard

Available machine widths:
1.300 mm, 1.650 mm, 2.000 mm

The next generation of deburring technology: the EdgeBreaker® 3000 NEXT processes punched and laser-cut parts on both sides in a single pass. The user-friendly "Wizard" interface ensures simple operation.

levelers for themselves at the ARKU InfoDays Leveling + Deburring from the 13th to 15th of May 2025 in Baden-Baden. Visitors will have the opportunity to bring their own sheet metal parts and experience live how they are precisely

leveled and deburred. ARKU experts will be available for individual consultations and will present the latest technological developments.

Register free of charge for the ARKU InfoDays from May 13th to 15th, 2025!



Coil lines

Making existing coil lines future-proof Save costs and modernize sustainably with professional retrofitting.

In times of economic uncertainty and rising costs, the question often arises: new acquisition or modernization? A retrofit can be an economical and sustainable alternative. Existing resources are used efficiently, while the service life of machines is extended.

ARKU offers modernization and conversion services for coil lines. The prerequisite is that the downstream machines are in good mechanical condition. Efficiency and operational reliability can be improved in the long term through targeted retrofitting or comprehensive conversions.

A practical example: a supplier to the automotive and mechanical engineering industry was faced with the challenge of replacing an outdated PLC system. The aim was to find a future-proof solution with components that would be available in the long term. In addition to replacing the PLC system, wear parts were replaced and the system was adapted for its new location.



Advantages of a retrofit:

- cost-effective
- sustainable
- extends service life

Modernization instead of buying new - an old coil line gets a second life with a retrofit.

Modern PLC technology not only increases availability, but also enables improved functions. In addition, timely upgrades can avoid unnecessary costs when procuring spare parts. A retrofit

can therefore make a decisive contribution to the long-term economic efficiency and future-proofing of a production plant.

Find out more about our modernization and conversion services. Simply scan the QR code.



2 hours free
leveling & deburring

Voucher for leveling and deburring tests

Take advantage of our modern machinery for precision leveling, deburring and edge-rounding machines. Short turnaround times and competent process support guaranteed.

Contact: Alexander Enke, Application engineer
alexander.enke@arku.com or by phone: +49 7221 / 5009-992

Benefit now:
secure two free machine
hours with ARKU!



Company

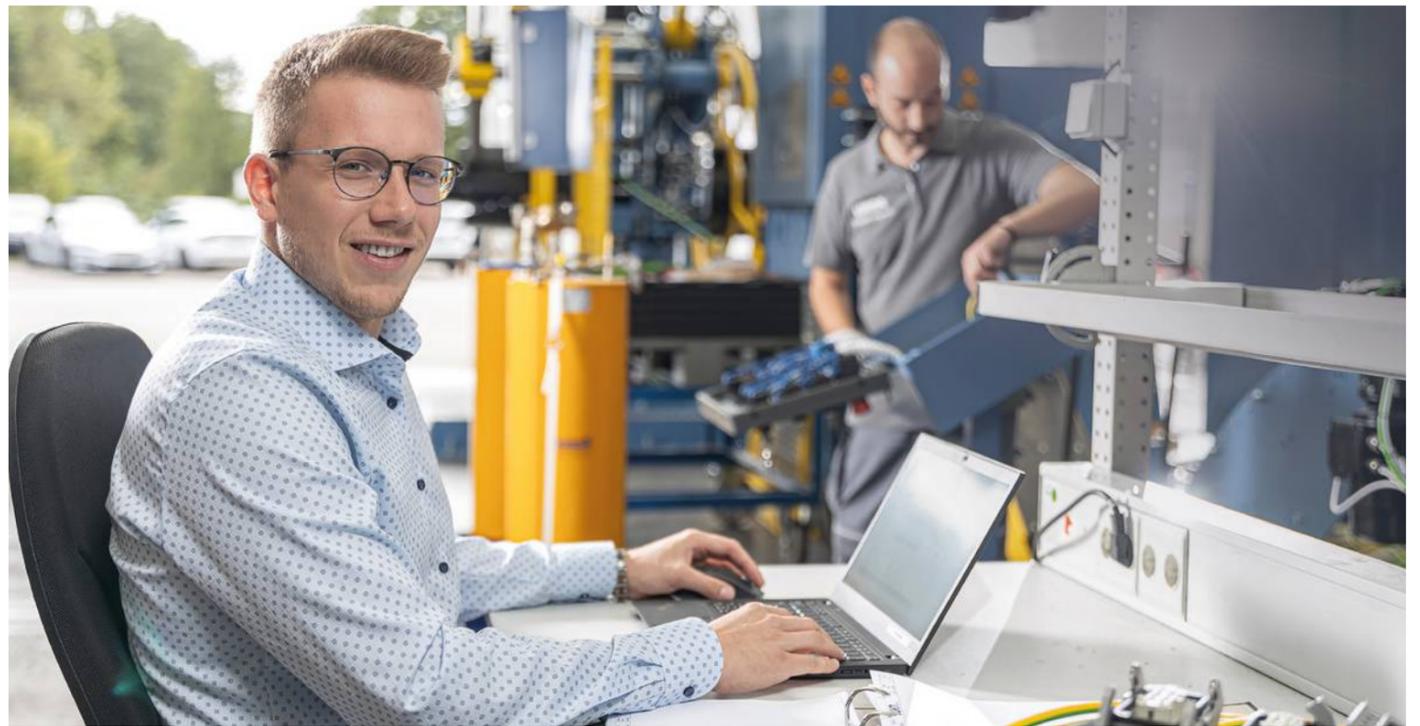
Comprehensive cyber security for customers

A combination of prevention and rapid response for high safety standards.

Small and medium-sized enterprises are increasingly the target of cyberattacks because they often have lower security standards than large corporations. Both production and administration are affected. Phishing emails have been the dominant attack vector for years. They aim to trick employees into releasing data, installing malware or handing over login information.

ARKU has also been the target of cyber attacks in the past. So far, these have always been averted without any significant damage. "When dealing with cyber incidents, we rely on a combination of prevention and reaction. Among specialists, everyone is aware that no preventive measure can fully eliminate cyber attacks," says the company's IT department. It is therefore important to be prepared for such incidents and to be able to quickly initiate appropriate measures to limit damage and restore normal conditions.

The human factor plays a decisive role here. In addition to technical measures, ARKU relies on a comprehensive training program to increase security awareness for all employees. The training



Focus on security - ARKU protects systems with state-of-the-art cyber security.

courses are tailored to each employee's area of work and scaled accordingly depending on the risk assessment.

Production plants in particular are a popular target for cyber criminals. The machines usually have open ports that can be used to establish a connection

to them. This is why ARKU works with partners who specialize in cyber security. The configurations are regularly checked by external controls and audits.

ARKU ensures that customers can securely connect their machines to the

SINEMA RC remote maintenance system. This allows service technicians to access the machines remotely - naturally with the highest safety standards, which are constantly being improved.

Leveling. Deburring.

Askon Demir Çelik: with speed and precision to the top

Investments in modern machinery and skilled workers ensure quality and competitiveness.

Denizli, Turkey - The Turkish steel service center Askon Demir Çelik focuses on innovation, quality and a well-thought-out growth strategy. Since entering the export business in 2018, the company from Denizli has grown strongly and now generates a turnover

of 10 million euros in 32 countries. Customers from the mechanical engineering, mining, defense and automotive industries value the high-quality special steels and thick plates.

A key success factor is the investment

in modern technologies. In the last four years, Askon Demir Çelik has invested 25 million euros in its machinery - including two FlatMaster® precision levelers and the deburring machine EdgeBreaker® 4000 from ARKU. These machines can be used to precisely level

and deburr special steels, which ensures improved quality and more efficient downstream processes.

"Our mechanical engineering customers in Turkey and Europe expect flat and stress-free sheet metal. With ARKU we can deliver exactly that," explains Murat Özdemir, Deputy General Director.

Askon Demir Çelik is also breaking new ground in the area of securing skilled workers. The company's own academy provides targeted training for employees, including women in production professions. This initiative was strengthened in 2022 by joining the UN Women Empowerment Program.

The collaboration with ARKU has paid off for Askon Demir Çelik: existing customers are ordering larger quantities and new customers have been won over. The goal is clear: to be one of the world's leading steel service centers in five years.

www.askondemir.com/en



With leveled parts, subsequent processes such as welding, bending or folding are safer and more consistent.

Follow us!

Stay informed about current topics relating to leveling and deburring on our social media channels:



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ARKU online shop: spare and wear parts 24/7

Find precisely fitting spare and wear parts in the ARKU online shop: www.shop.arku.com/en.

You can order new grinding blocks, disc brushes, rotary brushes or grinding belts and nonwoven belts around the clock.

Personal advice is of course also available from Dandan Wei (dandan.wei@arku.com).

Leveling

Precision for saw blades

Leveling improves the quality of saw blades.

The leveling of saw blades is an essential process to ensure the functionality and longevity of the tools. Warped or uneven saw blades can lead to unclear cuts, increased wear and safety risks. Leveling therefore plays a decisive role. Saw blades of all types and sizes are leveled with the SawMaster® part leveler to ensure the highest quality standards.

Saw blades made of high-quality steel or alloys in particular are exposed to high

mechanical loads during the manufacturing process. These often lead to deformations such as waves or curvatures that deviate from the ideal flatness. Such deformations not only impair the cutting performance, but also increase the energy consumption and lead to faster wear of the machines.

With the ARKU SawMaster®, saw blades are leveled precisely and with low residual internal stress thanks to a technology



The SawMaster® brings saw blades into top form!

Precision with pleasure - perfectly flat saw blades for the best cutting results.

specially developed for saw blades. Thanks to this technology, the machine can achieve precise flatness for various materials such as steel, stainless steel, carbide and bimetal. The SawMaster® leveling machines thus improve the quality of circular saw blades for the woodworking industry, saw blades for metalworking or diamond blades for cutting stone.

Shop floor management ensures stable processes and reliable quality

At the Baden-Baden leveling and deburring center, structured shop floor management ensures that orders are processed on schedule and wi-

customer complaint does arise, it is systematically analyzed in order to introduce targeted improvements. „By learning from complaints and



Thorben Wolfinger, Head of the leveling and deburring center, in conversation with part of his team during a shop floor meeting - for stable processes and reliable quality.

thout delay. Forward-looking personnel planning keeps capacity utilization constant. For ARKU's customers, this means predictable delivery times and no unplanned downtime.

continuously improving our processes, we not only increase product quality, but also occupational safety", says Thorben Wolfinger, Head of Leveling and Deburring Center, Baden-Baden.

Another advantage is quality assurance. Regular coordination and clear action plans enable potential sources of error to be identified and rectified at an early stage. If a

This interaction ensures that the customers can count on reliable and smooth processing at all times - from the initial inquiry to the finished product.

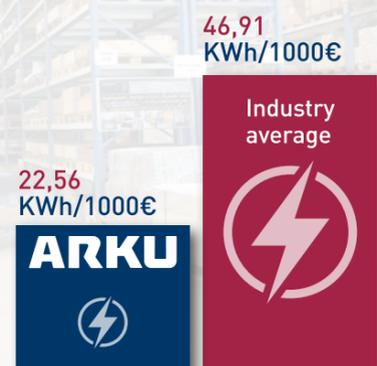
ESG Strategy at ARKU: Sustainability Report shows concrete success

The first ARKU sustainability report is complete and summarizes the key actions. It was implemented in collaboration with the ESG-specialized consulting firm Sustevia UG from Baden-Baden (www.sustevia.de).

vation of the company building contributes to CO₂ reduction. In the mobility sector, ARKU is focusing on electrification: a large part of the vehicle fleet is electrified, and the charging infrastructure has been expanded. Addi-



Comparison of energy intensity in kWh per € 1000 turnover



ARKU focuses clearly on environmentally conscious actions and resource-saving initiatives that bring not only ecological but also economic benefits. The ARKU Sustainability Working Group works closely with the management to reduce the carbon footprint and has put this into concrete figures. For example, smart radiator thermostats and air heat pumps have reduced heating costs by 62% over the past three years. The switch to LED lighting also reduced electricity consumption by 40%, while the reno-

tionally, e-bikes and e-forklifts complement these measures. With these steps, ARKU is actively contributing to sustainable development and resource-saving production.

Scan the code and learn more about sustainability at ARKU!



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