

Deburring

Futureproofing as an advantage W. Nusser GmbH is setting up its digital production.

Schwabmünchen, Germany – No material too thick, no material too obscure: W. Nusser GmbH manufactures everything made of sheet metal. As part of this process, the company now utilizes an EdgeBreaker® 3000 deburring machine from ARKU. At the same time, W. Nusser is also setting up its digital production.

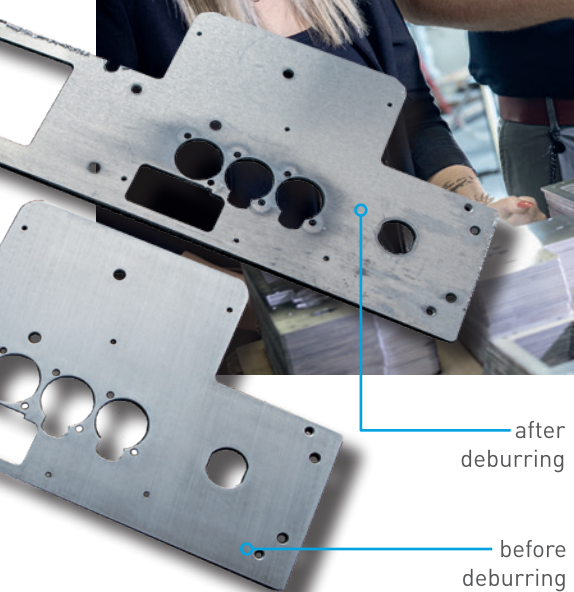
From individual parts to complex assemblies with thicknesses ranging

active in the solar industry. Both kitchen appliances for residential users and those in large commercial kitchens contain visible parts from the German company. The batch sizes range between one piece and tens of thousands of pieces.

EdgeBreaker® 3000 handles numerous deburring tasks

To further improve the quality, the sheet

works with punched and laser cut parts which the operator then manually feeds through the EdgeBreaker®. Dr Jörg Lauscher explained that “for every part, we determine in advance whether it needs to be deburred or rounded.” This is where the advantage of the quick-change system of the EdgeBreaker® comes into play. This enables the production department to rapidly react to order changes and utilize the correct tools, even with small batches.



The way parts should look: Dr Jörg Lauscher, President and CEO at W. Nusser GmbH (center), Carolyn Hartmann, Management Assistant at Nusser (left), and Christian Nau, ARKU Sales (right), examining the deburring results.

from 0.5 to 25 millimeters, the team at W. Nusser works with every form of sheet metal made of steel, aluminum, copper, stainless steel or titanium. The company’s services cover a wide variety of sheet metal processes and quality is always a top priority. “We work with the most technologically advanced machines that we can obtain,” explains the President and CEO, Dr. Jörg Lauscher.

The customers are as different as the products themselves. Alongside machine manufacturing, W. Nusser is also

metal specialist decided to purchase an EdgeBreaker® 3000 deburring machine. “We chose this machine because it covers so many areas. Previously, the tasks were handled in different ways ranging from manual deburring to machine processing or outsourcing to a deburring contractor,” reports Norman Brill, who is responsible for production management at W. Nusser. “The EdgeBreaker® 3000 processes punched and laser cut parts on both sides in a single pass. This saves more than 50% of the time needed in comparison to machines that work single-sided.” explains Christian Nau from ARKU Sales. The production department at W. Nusser

The EdgeBreaker® is already prepared for Industry 4.0

The machine now runs eight hours a day to everyone’s complete satisfaction. The employees particularly appreciate the user-friendly operation. After only a brief training session, all of the employees were able to work with the EdgeBreaker®. The company also benefits: The quality of the parts is higher than with manual deburring and the grinding results are the same on both sides of the parts.

Lauscher is especially impressed with the futureproofing of the EdgeBreaker®.

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EuroBLECH during difficult times

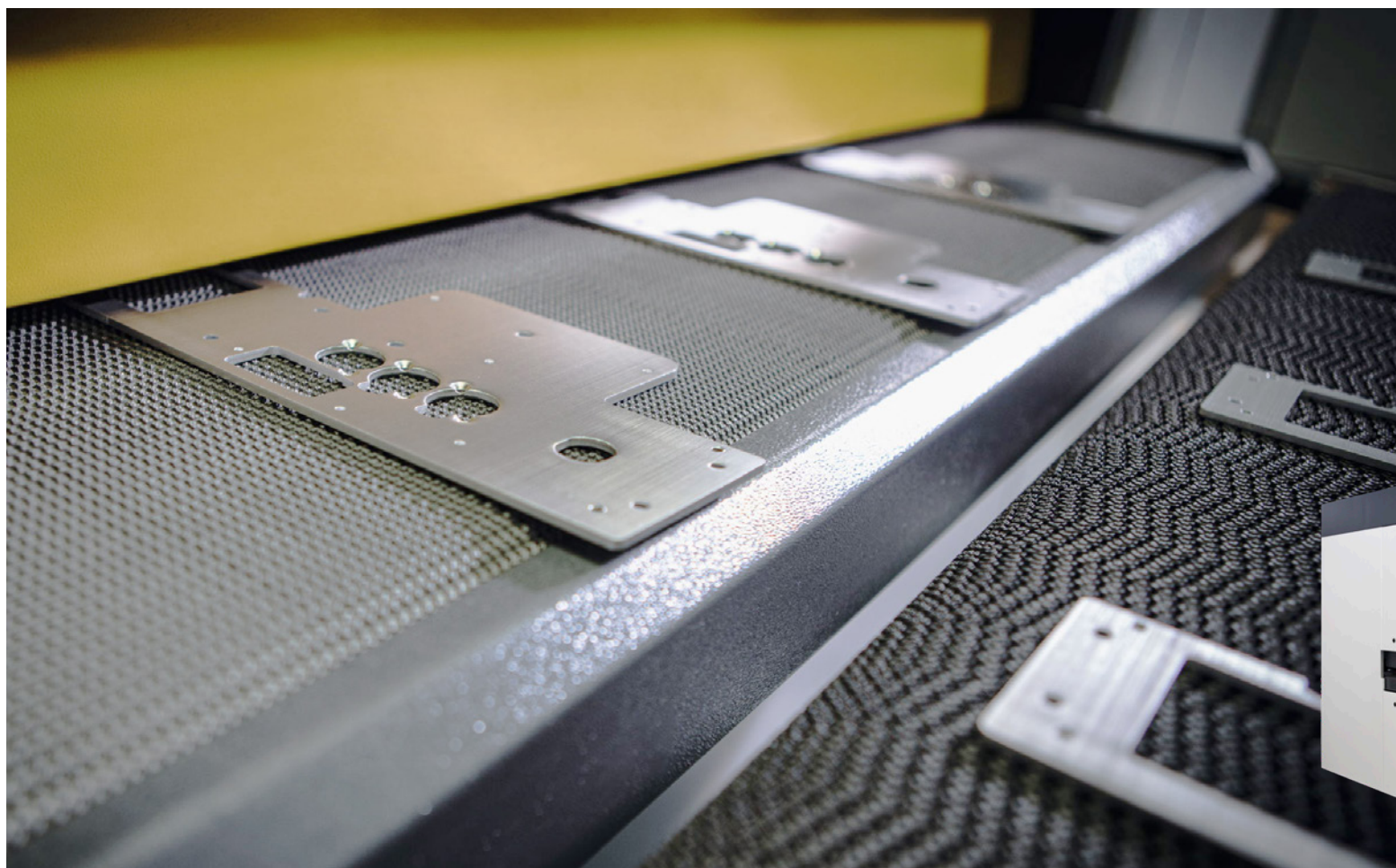
Four years ago, who would have thought that the next EuroBLECH would take place in such challenging times. The covid crisis, Putin’s war against Ukraine and the West along with the resulting energy crisis have made life difficult for us all. The situation is compounded by the lack of skilled employees.

We have record order levels and yet at the same time we are forced to work hard to comply with our delivery deadlines. We take our promises to our customers very seriously. That is why we have doubled the number of employees in materials management and expanded our capacities in engineering and automation. Our hands are often tied when the material is not delivered as promised, despite our best efforts.

Keeping our promises to our customers to the best of our ability is the top priority at ARKU. It is why we go the extra mile. Currently, machine manufacturers and sheet metal workers are all in the same boat. I am certain that we will keep this boat capable of maneuvering. New technology will help us to achieve this. Let’s talk further at the EuroBLECH.

Albert Reiss

Albert Reiss
President & CEO



Perfect sheet metal parts in seconds: The EdgeBreaker® 3000 deburrs on both sides and saves a lot of time in comparison to single-side deburring machines.

ARKU has prepared the machine for Industry 4.0. "This is a milestone in our ongoing process automation and digitalization," says the President and CEO. TRUMPF, the manufacturer of the other machines at W. Nusser, has also approved the EdgeBreaker® for its software. This will enable the ARKU machine to integrate seamlessly into the automated production in the future.

www.nusser-metal.de



Leveling & Deburring

Leveling and deburring machines create capacity

Instytut Mechaniki chooses continuity and service.

Jelcz-Laskowice, Poland – When young companies establish themselves in old production facilities, this can create a uniquely dynamic situation. As demonstrated by the Polish job shop, Instytut Mechaniki. To successfully handle the company's growth, the

sheet metal specialist trusts in machines from ARKU.

Numerous new companies set up business at the massive Jelcz premises, the former commercial vehicle manufacturer, near the city of Wrocław. This

includes the IM Group with its subsidiary Instytut Mechaniki. This sheet metal working company has 500 employees and manufactures products such as assemblies and frames, primarily for the rail industry.

The company is growing and the production has frequently reached its capacity limits. That is why Instytut Mechaniki turned to ARKU. "We were looking for a leveling solution at the time," reports the Production Coordinator, Krzysztof Strzelecki.



After the decision to collaborate with ARKU, they have every reason to celebrate: Krzysztof Strzelecki, Production Coordinator at Instytut Mechaniki (left), and Piotr Niżyński, Head of Maintenance, have noticed significant improvements in their production.

During a visit to Baden-Baden, Strzelecki and his colleague, Piotr Niżyński, the Head of Maintenance, also discovered the EdgeBreaker® for deburring. As a result, Instytut Mechaniki also ordered an EdgeBreaker® 4000 deburring machine in addition to the FlatMaster® 55 leveler. This machine has done such a good job that Instytut Mechaniki then went on to order a second EdgeBreaker® two years later.

"The cooperation developed very well right from the outset," reports Niżyński. Raphael Goldbach is responsible for ARKU Sales in Poland and also assists with service. Such as finding the right parts, for example. "That is the difference to other manufacturers: Their sales rep disappears once he has sold the machine," notes Niżyński and explains: "At ARKU, we receive continuously good support."

www.im.pl



Deburring. Leveling. Parts handling.

Experience impressive live demos at our exhibition booth **A94, Hall 11** and discover the advantages offered by ARKU's leveling and deburring technologies. Our experts would gladly advise you. Simply scan the QR code and arrange an appointment. We look forward to seeing you!



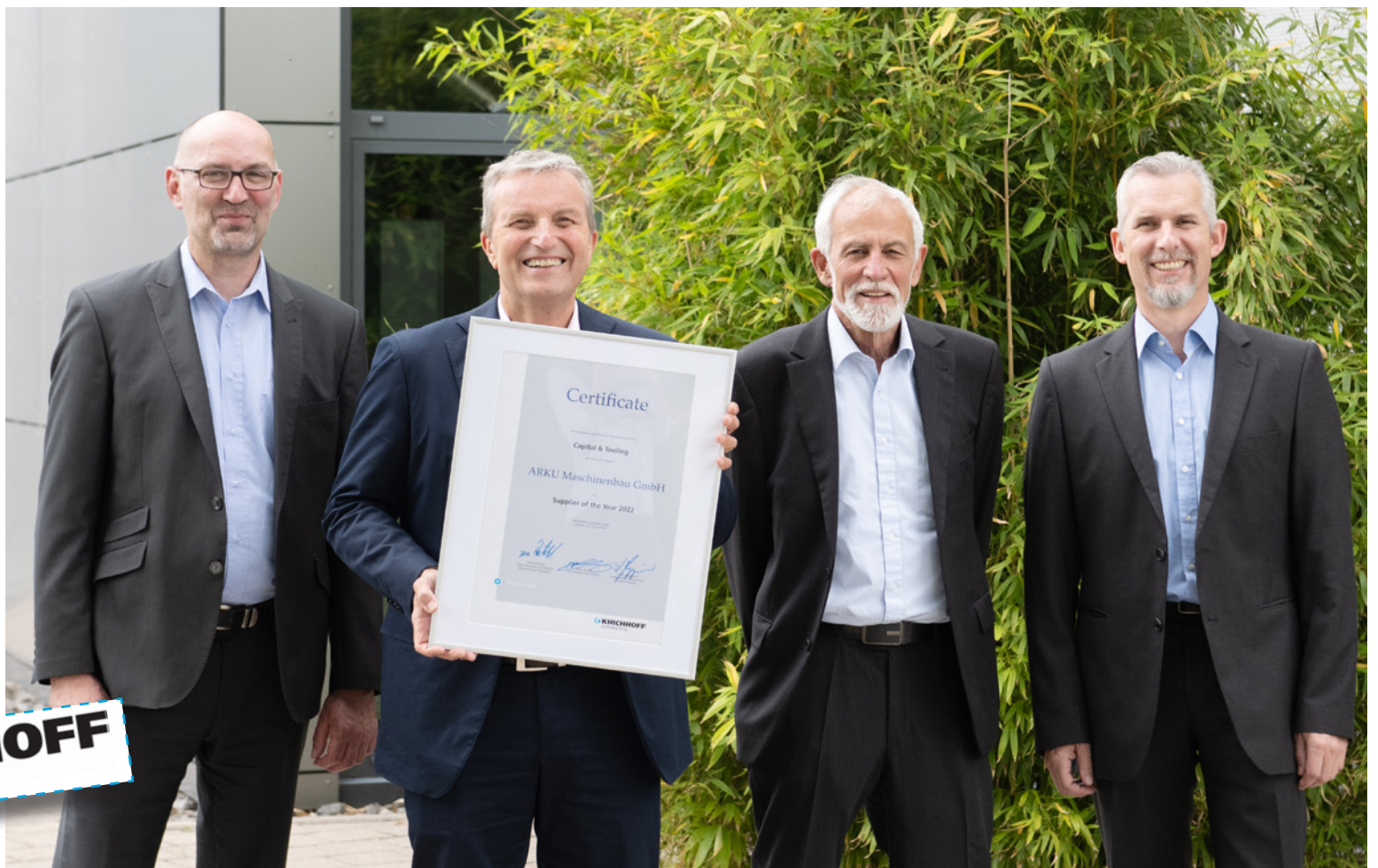
Coil lines

KIRCHHOFF recognizes ARKU as “Supplier of the Year”

KIRCHHOFF Automotive recognizes the successful, long-term collaboration.

Iserlohn/Baden-Baden, Germany – ARKU won first place in the “Capital & Tooling” category at the Supplier of the Year Award from KIRCHHOFF Automotive. With this award, the company recognizes the reliability and quality of the machine manufacturer from Baden-Baden in Germany. This is also reflected by the good collaboration spanning more than 20 years.

“We share the typical corporate culture of mid-sized German companies,” says Klaus Lawory, Vice President Procurement at KIRCHHOFF Automotive. Albert Reiss, President and CEO ARKU Maschinenbau, adds: “This award shows that quality, innovation and strong customer orientation pay off with long-term cooperation for both parties.”



From the left: Franck Hirschmann (Key Account Manager), Albert Reiss (President and CEO), Hans-Peter Pflüger (former member of the ARKU board), Harald Kohl (Project Manager) received the “Supplier of the Year 2022” award from KIRCHHOFF Automotive.

www.kirchhoff-automotive.com

Leveling

Reacting to the lack of skilled employees

Wrightform Ltd. distinguishes itself with leveling technology.

Eye (UK) – Quality first: this is the guiding principle of Wrightform Ltd., a UK-based laser cutting and metal forming specialist. The company is known for its precision work in a variety of applications, in the medical, food, aerospace and agricultural industries.

Diverse work typically requires manual labor, yet experienced staff is currently hard to find in Great Britain. That is why process automation has become a major priority. To this end, Wrightform has discovered the FlatMaster® 88 parts leveler as a technology capable of en-

suring flat sheet metal parts with low internal stresses. This helps to ensure their downstream processes such as welding or bending can be carried out faster and more reliably. “When you have a machine that’s easy to use and delivers consistent results, you can ea-

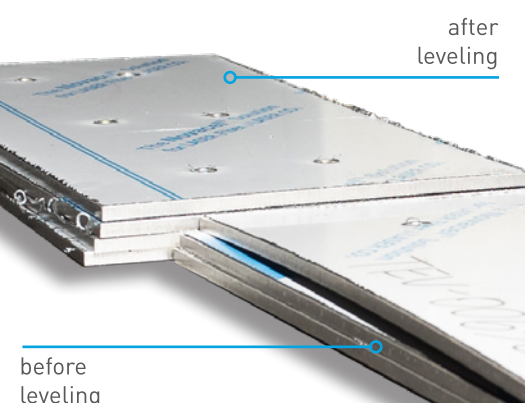
sily serve a rapidly growing market,” explains Steve Larkins, Business Development Manager at Wrightform Ltd.

With the FlatMaster®, Wrightform can quickly and efficiently level a variety of parts ranging in thickness from 1 to 25 mm. Since the machine requires little training and staff, the company was able to bridge the labor gap efficiently. “Thanks to ARKU’s machinery and fast implementation, we are able to meet the high standards set by our customers and ourselves – and safeguard excellent leveling results at all times,” Larkins concludes.

www.wrightform.co.uk



For Steve Larkins, Business Development Manager at Wrightform Ltd. (left) and Managing Director Ken Rose (middle), active and personal support provided by Christian Nau (right), ARKU Sales, is the key to a good partnership.



The fast track to additional capacity: Contract leveling and deburring at ARKU

Have your parts and sheets leveled and/or deburring using state-of-the-art technology: ARKU utilizes the latest machines for its contract services. We process your materials at our Leveling and Deburring Center quickly, reliably, with high-quality and transparent pricing. Find out more from Alexander Enke (alexander.enke@arku.com).

ARKU web shop: Deburring tools available 24/7

The ARKU online shop has precisely the deburring tools for you. You can purchase new grinding blocks, rotary brushes, disc brushes, grinding belts or finishing fleeces around the clock. Naturally, personal advice is also available – from Nadine Maier (nadine.maier@arku.com).

Deburring & Leveling

Manfred Butsch – An entrepreneur with heart and soul

MBEngineering convinces medical technology customers.

Dürbheim, Germany - Medical technology is a demanding field: Bearing in mind sterile requirements, the surfaces have to be easy to clean and disinfect. As

outer contours." That is why MBEngineering chose the EdgeBreaker® 6000. The company already had good experience with a leveler from Baden-Baden. When



Alexander Enke from ARKU (middle) shows Manfred Butsch, founder and CEO of MBEngineering (left), and Martin Zepf, Head of granulate dedusting division and member of the Management at MBEngineering, the deburring results of the EdgeBreaker® 6000.



The inner contours of the perforated panels also needed to be thoroughly deburred. The EdgeBreaker® 6000 handles this task effortlessly.

such, the production has to ensure that the surfaces are not scratched and are perfectly level.

The manufacturer MBEngineering from Dürbheim in Germany was confronted with this problem. „Our older deburring machine, cannot round the edges of perforated parts adequately,” reports the founder and CEO, Manfred Butsch. He continues: “Our customers expect completely rounded edges and not just on

Butsch saw the new EdgeBreaker®, he knew: “We are buying from ARKU, of course.” The decision was not only the result of the good recommendations that he had received from elsewhere in the industry. He already had positive experience with the levelers. „We know ARKU pretty well and are familiar how they are setup in the market,” says the founder of MBEngineering when explaining his decision.

www.mbenengineering.de

Providing storm relief together

Baden-Baden, Germany – ARKU Maschinenbau’s trainees and students were called upon to help deal with the final consequences of Hurricane Lothar in 1999. In their 2022

on their own after 10 years. However, they were still there on July 2nd, 2022. Then the trainees, students and management of ARKU Maschinenbau came and removed



Their efforts paid off: The trainees, students and members of the management from ARKU Maschinenbau removed around 1500 protective tubes from young trees in the forest during this year’s social project.

social project, they once again helped the forestry department to remove protective “Tubex” tubes.

After the end of Hurricane Lothar in 1999, the forestry office fitted the young trees along the Wetterberg path with protective tubes as part of the reforestation process. These tubes were supposed to degrade

the roughly 1500 protective tubes by hand. “We are pleased when we have the opportunity to support the Baden-Baden forestry department with projects like these,” explains ARKU’s Training Manager, Chris Schottmüller. “This helps the forest and also strengthens our team spirit within the company. Plus it is also a good time with colleagues!”

Wilfried Kentsch retires after 54 years at ARKU

The Summer Festival was the perfect opportunity for ARKU employees and their families to celebrate the end of summer with music and a great atmosphere. As part of the celebrations, Albert Reiss paid tribute to colleagues for their many years of service to the company. Armin Hirth and Sylvia Ruppell have both been with ARKU for 25 years; Gabriele Kächele, Adrian Fleig, Loïc Schreiner, Vivien Weißinger and

Stefanie Schäfer has been with the company for 10 years and Michael Moritz for an impressive 40 years. The skilled metalworker has been a service technician since 2005 and is valued among customers for his expertise. In addition, Reiss also had the opportunity to recognize Wilfried Kentsch for 54 years at ARKU and the former board member, Hans-Peter Pflüger, for 45 years of service at ARKU.



So many loyal employees at ARKU: Albert Reiss, President and CEO (left) and the Managing Director, Dr Jochen Kappler, paid tribute to numerous long-standing employees.

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