

Leveling and Deburring

For all requirements

n-cut24 GmbH has invested in ARKU's leveling and deburring technology

Westoverledingen, Germany – n-cut24 provides its customers with almost every imaginable form of sheet metal blank. These specially produced parts made of high tensile steel are ordered

a FlatMaster® 55 80 from ARKU. Using this system, the company intended to carry out leveling faster and, above all, more efficiently than in the past. "The system processes up to 800 millimeter

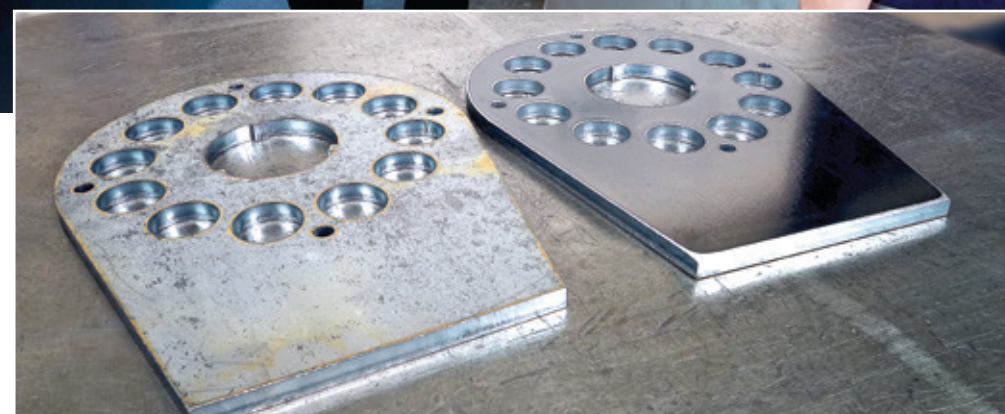
system was developed specifically to process large and thick panels quickly. With its 2,000 millimeter opening width, it optimally complements the existing levelers. "The efficient inter-



Well rounded: (from left to right) Kuno Fokken, Head of Production at n-cut24, Stefan Sauter, Sales at ARKU, and n-cut24 Operator Michael Heeren discussing the results.

by customers such as shipbuilders and wind energy turbine manufacturers. The company utilizes diverse state-of-the-art systems at its 6,000 square meter facility: from laser and plasma cutting equipment to leveling and deburring systems.

The individual steps are as various as the customers themselves: "Some customers only want cut parts, whereas others want the full program", explains the President & CEO, Ulrich van Scharrel. Thanks to its fully automatic solutions, n-cut24 is increasingly positioning itself as a full-service system provider for sheet metal processing. In order to meet the increasing demands on quality and flexibility, n-cut24 has progressively expanded its expertise. This began with leveling in 2013, when n-cut24 first purchased



A clean job: a 15 mm thick sheet QSTE 380 panel looks like new after deburring.

wide and 12 millimeter thick blanks", explains van Scharrel. The machine delivers flat and virtually stress-free panels.

Convinced

"In order to expand our portfolio of leveling services, we were looking for a machine with a medium-sized processing width," explains the Production Manager Kuno Fokken. ARKU had already convinced the company with the FlatMaster®. Consequently, n-cut24 turned to the leveling and deburring experts and their PlateMaster® L. This

action between the PlateMaster® and the other systems enables us to offer contract services for all panel widths. Our customer base is growing as a result", emphasizes van Scharrel.

Skillful deburring

n-cut24 also operates two automated deburring systems. These deliver deburred and edge rounded panels that prevent the sheet metal coatings from flaking off. n-cut24 was searching for a deburring solution. Because they had heard of ARKU's deburring systems, van Scharrel decided on the

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Training to secure the future

The future viability of our company also depends on how we succeed in inspiring young people for the engineering profession. We offer professional training for industrial mechanics and mechatronic technicians in addition to the proven combined vocational training and degree program in our region. Around 10% of our employees are currently in one or the other training programs. This is exceptionally challenging for us as a medium-sized company. Although young people now consider the mechanical engineering professions cool, we must always make greater efforts to recruit suitable candidates. Above all, the candidates need to have the right attitude. We also work on this topic with the students and trainees when they join us. We strive to communicate the enjoyment of the working life and technology to Generation Z - the digital natives.

We are looking forward to meeting many young people at the EuroBLECH. This is a great way to encourage their enthusiasm for technology. Will we see you in Hanover?

Albert Reiss

Albert Reiss, President & CEO

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EdgeBreaker® 4000 Plus in 2017. With an oscillating drum, the system deburrs and rounds rough panels up to 100 millimeters thick on both sides. "The double-sided rounding saves us 50 percent of the time", says the President & CEO. "In addition, the system creates a more comfortable working environment thanks to low emissions and noise. This was reason enough for us to order the system right away."

The machine was installed at the end of 2017 - and without any problems thanks to the support of the ARKU service team. Since then, n-cut24 has achieved a greater production volume with the same production team. The EdgeBreaker® 4000 processes up to 11,000 parts per month and sometimes more. "All of the systems from ARKU help us to keep pace with our customers' needs," emphasizes van Scharrel. He sees the company well prepared for the future thanks to ARKU's machines.

www.n-cut24.de



Leveling experts together: (from left to right) Thomas Incani, Operator at n-cut24, Stefan Sauter, Sales at ARKU and Kuno Fokken, Head of Production at n-cut24, in front of the FlatMaster® 55.

Coil Lines

Feintool presents the „FB one“ with a feeding line

EuroBLECH 2018: a complete line will be on display at the Feintool booth



Visitors at the EuroBLECH examining an ARKU feeding line for a Feintool press.

The market leader Feintool set standards for precision cutting and forming: With the "FB one", the company has developed a new generation of

presses. The high-performance press enables customers to carry out precision cutting even more precisely, faster and with even greater performance.

A system with this level of performance places exceptional demands on the leveling technology and ARKU delivers the right feeding line for the

press. The machine concept presented at the Feintool booth J104 in hall 27 consists of a CoilMaster® precision leveler with 21 rollers and a feeding guide. In addition, there is a matching standard decoiler with a coil chair and a single-piece loop bridge.

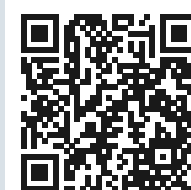
The CoilMaster® 5050/21 precision leveler is equipped with the EcoPlan® drive concept patented by ARKU. This represents ARKU's response to the increasingly demanding flatness and availability requirements in recent years. With its customized operating concept, the system offers the highest level of user-friendliness. For example, all of the functions of the feeding line can be viewed using the press control system and also corrected, if required.

ARKU and Feintool share a decade-long partnership. This long standing cooperation is built on more than 200 successful precision machinery installations worldwide. Feintool typically serves as the general contractor for the customer. End users also benefit from this cooperation thanks to the time-proven interfaces.

ARKU-Ticker

Parts leveling live: New video on the ARKU YouTube channel. Take a look now.

We have uploaded a new video to our YouTube channel, showing the FlatMaster® 88 200 precision leveler with the FlatJack® flatness control system. Simply scan the QR code and watch the video.



In a film and festive mood

ARKU employee festival celebrates the 90th company anniversary



Nine decades of the company - this definitely calls for a special celebration. Given the occasion, the employees

were delighted with a comprehensive program on September 14th. The celebration was truly characterized

by the spirit of teamwork with a final evening event. It began in the early afternoon with a team-building activity

from the cartoon box. Several teams of employees created their animated film with the motto "stop motion". To do this, they shot photos of Playmobil figures in front of self-made sets. They then arranged these images into sequences to create a small film. The aim of this activity was to develop ideas together. The participants were able to freely create the plot, script and scenes themselves. Every team member had a different task.

At the evening event, the employees then had the opportunity to admire the film creations: After a welcome from the management and refreshment at the barbecue buffet, it was "ARKU goes Hollywood". The managing director Marcus Bartle guided the presentation of the short films - to the delight of the film crews and attending guests. The evening came to a close with cocktails, desserts and music.

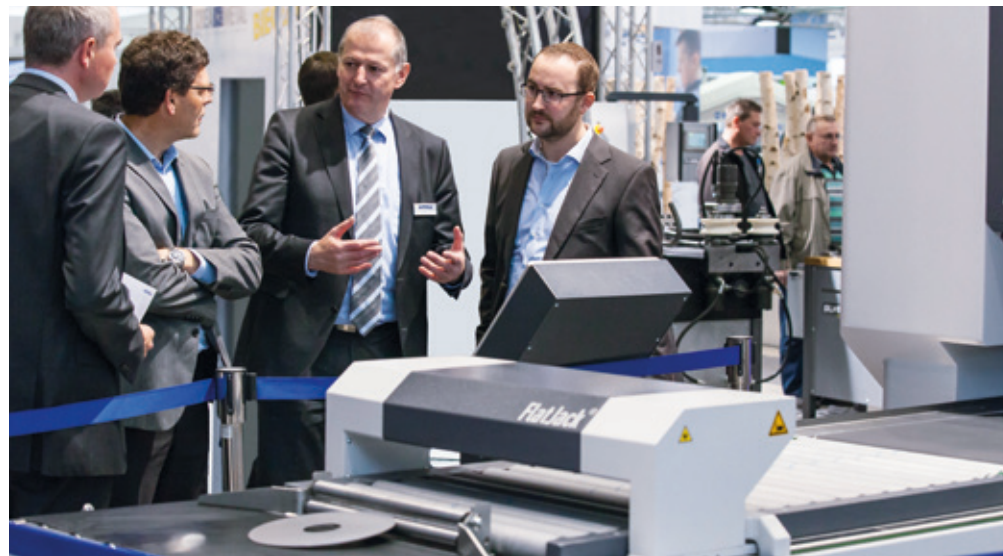
Leveling and Deburring

Leveling and deburring at booth A94, hall 11

Experience a complete production line at the EuroBLECH 2018

No EuroBLECH would be complete without ARKU: the company is represented in Hanover again this year with two booths. At booth K127 in hall 27, visitors can obtain comprehensive information about the leveling and deburring portfolio as well as the coil lines. The special feature at this year's trade fair: at booth A94 in hall 11, ARKU presents a complete production line for the first time in Hanover. The line consists of a deburring machine, a precision leveler and an automatic flatness control system.

The EdgeBreaker® 2000 Plus deburrs and rounds both sides of the panels. The FlatMaster® 55 80 transforms these into flat panels almost entirely free of internal stresses. This ensures reliable welding, coating and forming. The integrated flatness control system, FlatJack®, then controls the flatness of the cut pieces. A central computer serves as a variable customer interface (VCI) and enables the systems to communicate with each other. All of the machines are automated. This enables problem-free processes between the individual machines.



Visitors to the EuroBLECH 2018 can be convinced of the benefits of the linked three-machine system at the live demonstrations at booth A94 in hall 11.



The process chain at a glance: deburring with the EdgeBreaker® 2000 Plus, leveling with the FlatMaster® 55 80 and flatness control with the FlatJack® in a line.

Customers benefit from shorter cycle times as well as easier handling.

In addition, trade show visitors can look forward to the ARKU cocktails once again: at both K127 (hall 27), ARKU serves non-alcoholic cocktails bearing the names of the various machines. The diverse beverages reflect the diversity of the company's portfolio. They also provide for pleasant refreshment amid the hustle and bustle of the trade show.

Come and visit us - we are looking forward to seeing you!

Leveling and deburring at ARKU - Worth the visit!

Are you in need of leveled and/or deburred panels? Then our Leveling and Deburring Center in Baden-Baden is the right address for you. Send us your parts for leveling and deburring tests or for leveling and deburring contract work. We process the parts for you: quickly, reliably, with high quality and transparent costs.

Leveling training for operators

Profit from the results of numerous leveling trials and our accumulated expertise. Experienced leveling supervisors from the ARKU Leveling and Deburring Center provide you with practical knowledge in our training seminars. We are also happy to provide leveling training at your premises. Your contact at ARKU: Alexander Enke (alexander.enke@arku.com).

Leveling

A steel giant

Goldhofer reduces production times for special-purpose vehicles thanks to the FlatMaster®

Memmingen, Germany – Big, heavy and extremely durable: The portfolio of the Goldhofer Aktiengesellschaft includes transportation solutions for exceptionally demanding tasks. Heavy-duty vehicles, trailers, extraction systems as well as aircraft and cargo tractor units roll out of the production halls in Memmingen and Ostfildern. The custo-

But it soon became clear that the FlatMaster® 120 from ARKU was exactly what we were looking for”, explains Arzt. The servo-hydraulic leveling gap control enables the FlatMaster® to achieve reliably reproducible results. The unique feature: ARKU designed the system for two meter wide blanks especially for Goldhofer.



State-of-the-art: Marcel Jäger, Cutting Master at Goldhofer (left), Ephraim Arzt, Part Production Manager at Goldhofer (middle) and Christian Nau, Sales at ARKU (right) discussing the FlatMaster® 120.



With the precision leveler from ARKU, Goldhofer manufactures level and low-stress panels for its heavy-duty vehicles.

mers include construction companies, logistics companies and aircraft handling operators, to name just a few. Because the vehicles are often used under extreme conditions, rugged designs are essential. That is why Goldhofer works with the strictest quality criteria when manufacturing the vehicles.

The company utilizes fine grain structural steels ranging from 5 to 35 millimeters thick for its constructions. At the same time, Goldhofer reduces weight by utilizing very thin panels in some areas. “This increases the payload of our vehicles,” explains Ephraim Arzt, Part Production Manager at Goldhofer. The thinner the panels, the more important the leveling to ensure that the parts remain flat.

The search for a compact system

Due to limited space, the company was looking for a particularly compact leveler. “We compared different companies.

The system has been in continuous use since 2012 - with great success: every year approximately 120,000 parts pass through the FlatMaster® roller leveler. The system operates in three shifts and is almost constantly in use. “With the precision leveler, we achieve level parts with little internal stress,” reports Arzt. Apart from the annual maintenance, the system has no downtimes. The machine’s hydraulic system works without any problems and is virtually maintenance free - even though it operates around the clock. The end products are just as robust as the processes: Goldhofer fully delivers the necessary durability and functionality thanks to ARKU - to the delight of the company and its numerous customers.

www.goldhofer.com

Career kick-off

At the beginning of September, it was “off to ARKU” for four young people: They commenced their training or studies in Baden-Baden. “With a total of 19 apprentices and students, we have more young ta-

Two of the young people commenced their apprenticeships as mechatronic technicians and two began their studies in mechatronics and industrial engineering. “In addition to the technical training, ARKU places



At the top of the mountain: the team has reached the goal together.

lents than ever,” emphasizes the President & CEO, Albert Reiss. “We are pleased to have even more life in our 600 m² training workshop as well as in the automation, materials management and production departments.”

great value in teaching social and inter-cultural skills”, explains Reiss. “That is why existing and new trainees and students attended a team seminar in the Black Forest at the beginning of the new training year.” The event strengthened their team spirit right from the outset.

An unforgettable gift

Two ARKU birthdays were celebrated at this year’s evening event on the 14th of September: In addition to the company’s 90th anniversary,

the Managing Partner into the hall: a miniature model of ARKU’s premises - much to the delight of the owner. He received the present to-



An unforgettable gift: Albert Reiss (3rd from right) received the miniature model with his wife Susan (4th from right) and his children Hannah (2nd from right) and Simon (1st from right).

the 60th birthday of the President & CEO Albert Reiss was also celebrated. This made for an evening full of surprises. At first, the Managing Director Marcus Bartle presented a fascinating retrospective of ARKU’s past decades. The Management Team then rolled in a special gift for

gether with family and colleagues. „The evening celebration was an unforgettable experience for ARKU and for me personally. I would like to thank all of the employees who made this memorable day possible,” says Reiss, summing up the celebrations.

Masthead / Publisher: ARKU Maschinenbau GmbH, Germany
Responsible: Albert Reiss, CEO
Coordination: Alexandra Schuldt, Head of Marketing
Layout: Marschner+Kühn GmbH & Co. KG, Rommel & Company, Germany
Print: Naberdruck, Germany