

Deburring

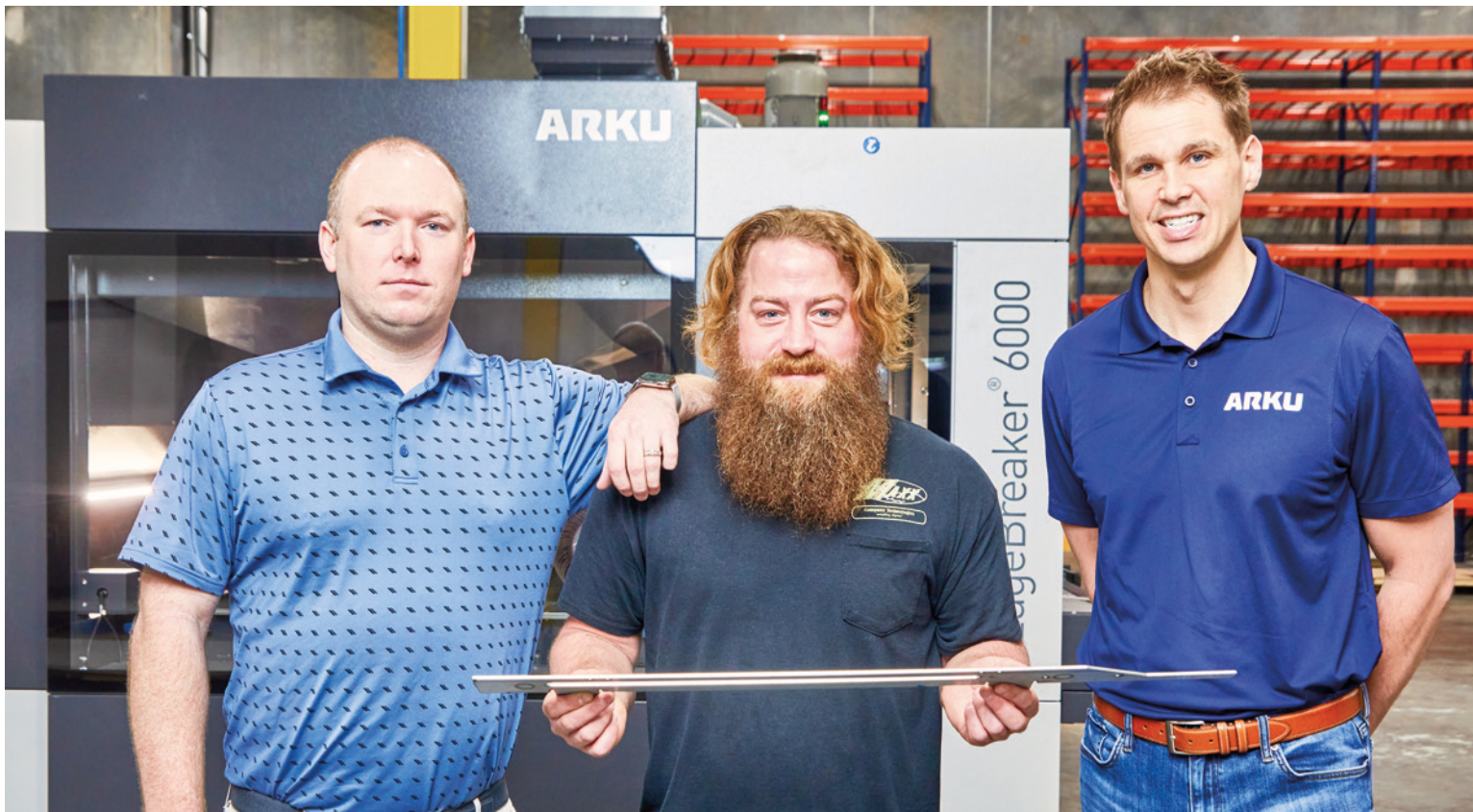
Off to a running start

The Router Mill LLC. kick-starts its business with the EdgeBreaker® 6000.

Lawrenceville, GA – Do it right the first time' could very well be Robert Stansell's motto. Less than a year ago, he co-founded the sheet metal company The Router Mill. From the very beginning he knew that it would take the best equipment to deliver the best quality. That's why he trusted in the EdgeBreaker® 6000 right from the start.

tion to serve their customers. This holds true for The Router Mill as well. Co-founder Robert Stansell and his team are dedicated to delivering top product quality and customer service. When Robert opened the doors of The Router Mill in Lawrenceville in September 2021, he was committed to becoming the address of choice for sheet metal processing.

region's prospering business environment. To make the biggest possible impact, The Router Mill doesn't limit its services to specific industries but offers a versatile service portfolio for all kinds of customers. „The company was created as a complimentary sister company to the nearby Euro Machine Building Co. Inc. Euro is an existing CNC machining supplier, however we



Achieving excellence (from left to right): Robert Stansell, Owner at The Router Mill LLC., Jeremy Salers, Machine Operator at The Router Mill LLC. and Eric Miller, Sales Engineer at ARKU Inc.

Whether it's the corner grocery shop or a multinational enterprise: successful businesses all share the pas-

The job shop is located 40 minutes north of downtown Atlanta and aims to become the latest addition to the

needed to expand into sheet metal fabrication," Robert explains.

All eyes on automation

Given the scope of this enterprise, compromising on the new company's equipment was never an option for Robert. "Perfectly deburred and rounded edges are vital to our parts' quality. That's why automating this process was a no-brainer for us," Robert says. After a colleague had told him about ARKU, it didn't take long until Robert decided on the EdgeBreaker® 6000. "The machine can process a broad range of parts, from 1 to 25 millimeters (0.04 – 1 inch) thick. That was exactly the versatility we needed."

As the highly efficient core compo-

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The EdgeBreaker® 6000 offers deburring, edge rounding and surface finishing in just a single pass.

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Strong together

ARKU machines are, and have always been, proudly Made in Germany. As many companies in manufacturing reevaluate their increasingly international supply chains, ARKU can thankfully rely on long-term and close-knit relationships with our suppliers. The customer articles in this issue similarly highlight customers which value relationships and invest in strong partnerships.

Part of ARKU's responsibility in being a reliable partner involves developing new products and services which lend our customers a competitive advantage. Read about our newest software development, the Wizard, on Page 3.

Beyond the technology are people, and we are very proud of the quality of our team. Don't skip the Personality section (Page 4) to get to know more about an ARKU employee dedicated to directly supporting our customers.

Nicholas Miller
President of ARKU Inc.

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ment, the EdgeBreaker® 6000 features large rotary brushes that can uniformly round the parts with an unmatched radius of up to 2 millimeters (0.08 inch). This is a crucial processing step for The Router Mill when it comes to safety. Thanks to the precise edge rounding from the rotary brushes, cutting hazards from sharp edges are therefore eliminated. Besides the core component, the machine also offers deburring and surface finishing in just a single pass. Overall, the three individual processing units allow for unmatched flexibility.

Besides the machine's technical features, ARKU's customer service won Robert over. "ARKU understood what we were looking for right off the bat." Project management proved equally satisfactory: in only a short period after the purchase, the machine ar-



Optimal downstream processing conditions: thanks to the parts being completely burr-free, edge rounded and surface finished. All 3 processing units can be used interchangeably for complete flexibility when it comes to processing.

rived in Lawrenceville. This enabled the company to start production at full speed as soon as authorities had granted their mandatory business approval. The machine's easy operation helped to kick-start production: training the current staff of six employees

took just 1.5 days. Whenever questions arose, ARKU's customer service was quick to respond.

As Robert doesn't do things halfway, he and his team are poised for growth. Recruitment continues and he already

plans to establish new technologies such as robotic welding. He clearly knows the key driver behind his ambition: "The EdgeBreaker® gives us a strong competitive edge among many other job shops. We are setting a trend with this machine."

Coil lines

An overview of feeding lines

Specialization in feeding lines increases the cost-effectiveness of presses, roll forming systems and lasers.

Coil lines have a major influence on the reliability and, ultimately, the economic efficiency of the downstream system. Depending on the application, ARKU distinguishes between three types of installations. Each one is completely specialized for its intended use. We provide you with a brief summary of the key special features:

Press feeding lines

ARKU press feeding lines can be integrated into all manufacturers' press lines. The short version with the

CompactFeed® in-line leveler saves space. This enables the press line to be shortened by up to 10 meters for thick material. The long EcoLine® version is designed to deliver the best possible leveling results. This is important for high-strength sheet metal, for example.

Coil laser lines

ARKU offers TRUMPF coil laser lines designed for flexible sheet metal processing. The laser cuts can be nested better on strip material than on blanks.

This can reduce material costs by up to 30%.

ARKU cut-to-length lines that produce blanks for laser cutting companies are also available with the TRUMPF storage interface.

Coil preparation lines for roll formers

The third type of ARKU feeding lines consist of coil preparation lines for roll formers. These rapid processes require short coil change times and good le-

veling results to achieve good forming results with reliable processes. To this end, ARKU's customers rely on double-end decoilers and coil end welders. Together, they reduce coil set-up changes by 20 minutes on average.

All of the ARKU systems around the globe share one thing in common: A 24-hour hotline and service support from Germany, China and the USA.



An ARKU feeding line user in the HVAC technology sector needed a cut-to-length line. This space-saving and error-free system makes an effective contribution to producing a diverse range of sheet metal blanks.



Environmental certification (ISO:14001:2015)

ARKU Inc. has been awarded the ISO 14001:2015 certification, thus reinforcing the company's commitment to sustainability through its environment management system. This international ISO 14001:2015 environmental management standard provides a framework to help identify, monitor and control environmental impact, such as resource consumption and waste production. ARKU Inc. continuously invests in a variety of sustainable practices.

Leveling

A real growth driver

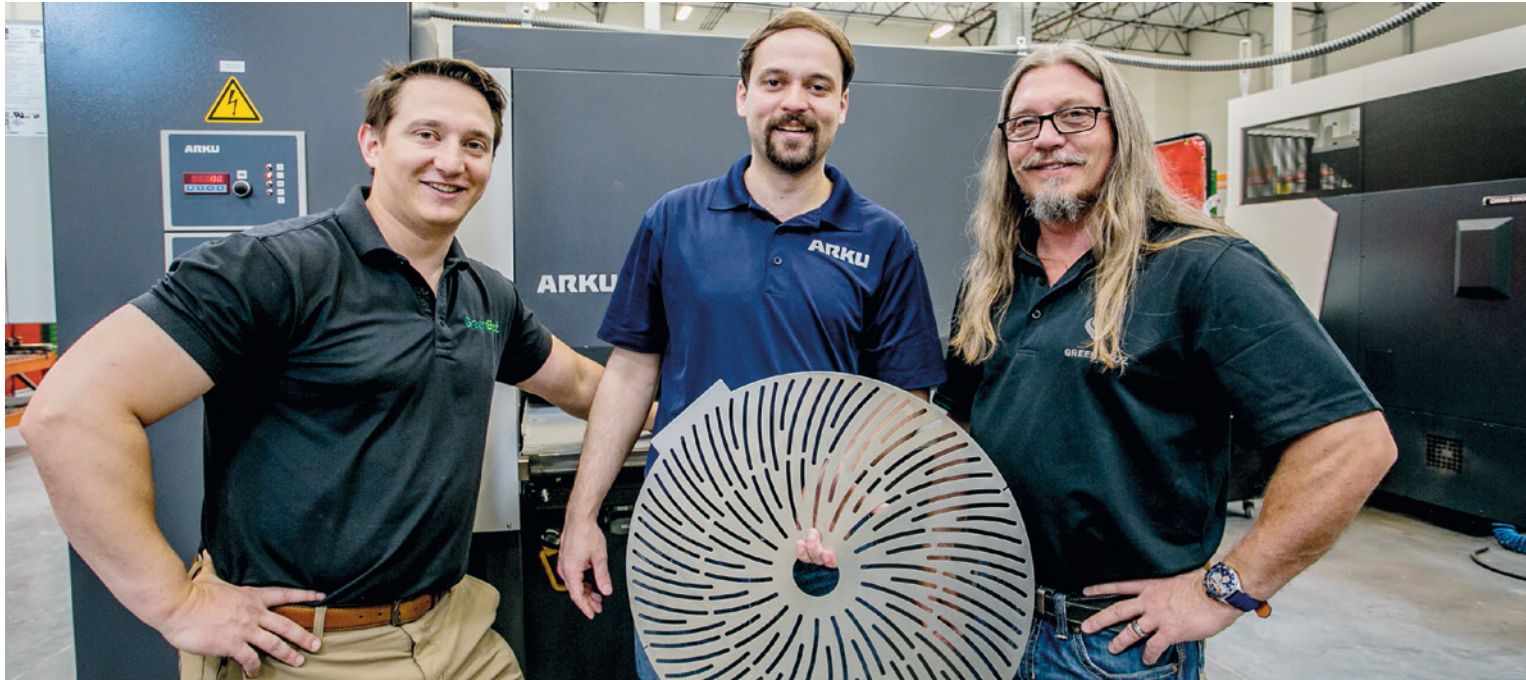
GreenBroz Inc. secures business success with leveling equipment from ARKU.

Las Vegas, NV – You never know what to expect when it comes to products like cannabis. Not only have many states now legalized it after decades of debate; it has also spawned an entire industry that spans a broad range of affiliated services and solutions. Amidst

countries. Our success is based on robust systems that help automate harvesting operations and save precious production time,” he says. Speeding up his own leveling processes has greatly contributed to that achievement. “Stainless steel is a challenging mate-

product, had to be absolutely flat to deliver optimum results and win over customers. “We used to manually flatten them with a press brake. However, this approach was time-consuming and called for a more efficient solution.”

and affordable leveler.” GreenBroz therefore decided to approach straightening via this excellent solution for sheet metal. “The test parts we sent in came back flatter than we had ever seen them before,” Cullen recalls. In January 2021, ARKU installed an EcoMaster® 30-130 at GreenBroz, and it’s done a wonderful job ever since, delivering flat parts that can be easily assembled. The EcoMaster® has thus helped to boost manufacturing efficiency in a rapidly growing industry.



From left to right: Isaac Raichart, Operations Manager at GreenBroz, Denis Weinfurter, Marketing at ARKU Inc. and Cullen Raichart, CEO at GreenBroz are all thrilled about the excellent flatness results of the trimmer blade.

the many players is Cullen Raichart, CEO of GreenBroz. He runs a booming company for legal cannabis and hemp harvesting systems, including stainless steel trimming and sorting equipment.

“We ship our products to roughly 100

rial, as water jet or laser cutting puts a lot of stress into the material,” he explains. The material bends and deforms. “Straightening was a step we wanted to optimize, without knowing how,” he admits. Especially the circular blades of the trimmers, GreenBroz’s flagship

First, he thought about purchasing a decoiler for sheet metal, which usually includes an in-line leveling solution. Ultimately, who did his search for coil equipment lead to? ARKU, of course. “We were blown away when we saw they had the EcoMaster®, a compact



A close up of the perfectly leveled cutting blades in the final trimmer.

www.greenbroz.com

Deburring

Operators learn magic

The ARKU Wizard conjures up the perfect settings for deburring.

ARKU now helps its users with automatic calibration of the deburring machines and is currently the only

manufacturer on the market offering this service. Intelligent software known as the ARKU Wizard connects the part,

tool and machine data. Operators only need to enter four parameters (material, size of the burrs, material thickness and the desired edge rounding). The Wi-

zard contains the tools available to the operator. The software independently selects the deburring tool best suited for the specific processing job. Additional information is obtained from the automatic wear measurement for the deburring brushes.

The Wizard uses this data to set up the machine for optimum productivity. As a result, users can be certain that they will achieve the right results quickly and produce cost-effectively.

Users no longer have to experiment until they find the correct settings when deburring parts. Therefore, the software also makes it easier for new operators to quickly familiarize themselves with the machine.



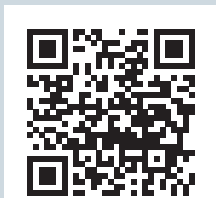
The ARKU Wizard software is now available and helps to achieve optimal deburring results by automatically configuring the deburring machines for the specific processing job.



ARKU online magazine

The ARKU online magazine contains articles about leveling, deburring and material handling. Benefit from valuable expertise as well as recommendations from industry experts. Check it out for yourself and see why investing in these technologies can pay off big time!

Visit the ARKU online magazine: <https://www.arku.com/us/arku-magazine/>



ARKU webshop: Replacement tools 24/7

When it comes to your deburring machine, you rely on consistent performance and process reliability. The same should be the case for your deburring tools. You can easily order all the high-quality tools for your deburring machines through the ARKU webshop.

Visit the ARKU webshop online: <https://www.shop.arku.com/us>

Deburring

From hand grinders to an automated solution

EdgeBreaker® 2000 supports deburring and edge rounding at Deltec Inc.

Batavia, OH – When it comes to stainless steel fabricated parts, look no further than Deltec Inc. “Butter-knife-soft edges” might sound like a bold promise from a commercial. For custom parts manufacturer Deltec Inc., it represents a day-to-day challenge. “A customer once approached us with this specific requirement,” Russell Ivey, Deltec’s General Manager, recalls. “But even if not every customer puts it that metaphorically, we know that burr-free parts with rounded-off edges are a top priority for all of them, from the medical

for the customers’ sake. “We had to rethink our deburring strategy to stay true to our company’s founding principles, which include a strong pledge to quality,” Russell states. Especially since good manual deburring staff is hard to come by.

A huge impression

As a result, Russell and his team started looking for an automated solution. A buying guide from a trade magazine came in handy, as it listed several equipment



From left to right: Jason Dugle (President), Colin Stith (Mfg. Mgr.), Russ Ivey (G.M.), Matt Baas (Sales Eng. for ARKU), David Frost (Dept. Lead), Steve Birchwell (Deburrer).

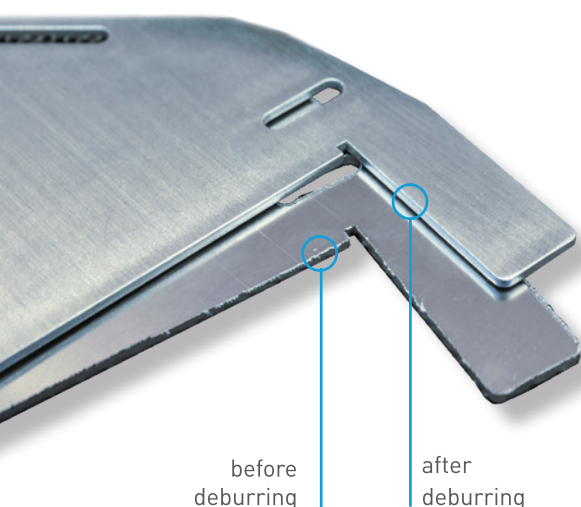
to the food industry.” This has specific reasons: from safe handling to better welding, fabricated parts make manufacturers’ lives a lot easier.

But how to achieve this when you mainly rely on manual deburring? This had been the established process for many years at Deltec but needed to change

providers, including ARKU. Though the competition also had some aces up their sleeves, ARKU’s EdgeBreaker® 2000 stood out from the crowd. “The machine made a huge impression, because it deburrs and rounds edges from both sides at once. This helps reduce tool switches and saves time,” Russell states.

Once test runs had confirmed the machine’s excellent performance, Deltec went with the EdgeBreaker®. For a year now, it has been greatly supporting the company’s deburring endeavors: it processes between 200 and 400 parts per day, mainly made of carbon steel, stainless steel and aluminum. Given Deltec’s extensive customer base, the materials and thicknesses vary. “We are happy with the choice we made and are looking forward to seeing where it takes us,” Russell concludes.

www.deltec-inc.com



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Packages full of hope

A helping hand is a great relief to anyone in need of aid. When there are two hands or even more, the impact is even greater. Given the current humanitarian crises around

25:34-40 of the New Testament. This is done by providing nutritional food to the hungry, clean water to the thirsty, clothing to the naked, affordable shelter to the homeless,



The employees from ARKU were having a great time while helping those in need.

the globe, there is an urgent need to create the greatest possible impact: severe storms in Texas and the war in Ukraine require immediate action by various players. Especially since those areas don’t have easy access to necessary supplies that are otherwise readily available.

In Cincinnati, two of those players share the same neighborhood – and a passion for helping those in need. ARKU Inc. and the humanitarian aid organization Matthew 25 Ministries had teamed up on previous occasions. The mission of Matthew 25: Ministries is to fulfill Matthew

medical care to the ill, and humanitarian supplies to those in need.

In March, they did so again to provide disaster relief for Texas and Ukraine. Together they prepared hundreds of pounds of various medical supplies to be sent out to those that need it most. “It feels good to help with a like-minded partner and in a hands-on way,” says Denis Weinfurter, Marketing Manager at ARKU. “In just a few hours, we had achieved a lot for those in need. Thus making sure everybody receives the supplies when it matters most!”

Personality A man of many talents

Life is hardly ever perfect, but each challenge holds an opportunity to



get it a little closer: with this mindset, Jesse Martinez, aged 42, has shaped most of his career – and

honed his skills. From electromechanical problems to process drawings, the passionate ARKU field service engineer does not only take care of customers’ requests on-site, but also absorbs any new knowledge he comes across. Years of training have taken him from Mexico to Cincinnati and taught him crucial skills for hands-on problem solving. “My work motivates me to share my knowledge with customers, learn from others and expand my capabilities,” he says. “At ARKU, I can do just that with a great team and many opportunities for personal growth.” In his private life, the father of four is just as busy: Jesse enjoys playing the electric guitar, producing music and cooking Mexican food for his family. Glad to have you on board, Jesse!