

Deburring

Employees' new best friend

O'Neal Manufacturing Services (OMS) ramps up production capacity with ARKU's EdgeBreaker®

Indianapolis, IN – When manual processes are automated, employees often feel uneasy about the future of their jobs. The opposite is true for

laser, plasma and oxyfuel cutting, machining and welding. Until recently, OMS had a team of workers who manually grinded burrs off the freshly cut parts.

manual deburring involved safety risks, such as flying metal chips or broken grinding discs. Again and again, OMS counted a serious amount of



(From left to right) Daniel Webster, Engineering Manager at OMS, Nathan Brown, Sales at ARKU Inc., Desmond Tinsley, Parts cleaner at OMS and Dejuan Collins, Parts cleaner at OMS.

close calls. To tackle these challenges, Webster and his team searched for a solution to automate the deburring process.

Stand out from the market

So far, OMS had tried a few deburring machines from other suppliers that did not meet their expectations. After seeing an ad of ARKU in a manufacturing magazine, Webster and his colleagues decided to try their deburring machines. What tipped the scale was that OMS could even run tests on the ARKU EdgeBreaker® under real production circumstances rather than having to base their decision on mere performance figures. "The tests completely convinced us. We finally selected the EdgeBreaker® 4400", Webster pointed out.

Much needed support

"To get the job done, we needed as many as eight people working in three shifts," says Daniel Webster, Engineering Manager at OMS. This posed a challenge for OMS: Indiana is one of the top manufacturing states in the US with a minuscule pool of available workers. Additionally, OMS had to cope with a high staff turnover as the task was very tedious. As a result, parts began to pile up. Furthermore, there was another issue:

O'Neal Manufacturing Services (OMS): the steel manufacturer wanted to expand their processing capacity. The EdgeBreaker® 4400 from ARKU was the perfect solution. It provides workers with more time for other duties.

Founded in 1921, O'Neal Manufacturing Services (OMS) is a supplier of fabricated metal components and welded assemblies. Their products can be found in elevators, trucks, or agricultural machinery, among others. Their manufacturing technologies include

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Steady growth

The North American market has seen steady growth over the past decade. Thankfully, the growth of ARKU in Cincinnati has coincided nicely with this market growth. The service team in particular has expanded significantly, a necessary step that allows us to react immediately to the needs of our customers.

Over the past several years, we have had many conversations with our customers and have continued to gain a better perspective of the demands of modern fabricators. We listened to this feedback and have recently introduced new deburring machines to match the wants and demands of our customers. We hope you recognize the value in our offerings and always encourage your feedback. We strive to offer the best and most technologically advanced machines in the market and believe that our growth is a result of this passion.

Nicholas Miller
President of ARKU Inc.

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ARKU installed the machine in October 2018. Thanks to the EdgeBreaker®, OMS worked off their overflow within a week. In addition, the quality of the parts has increased. With manual grinding, results varied from employee to employee. The EdgeBreaker® now delivers results with repeatable quality – and no scrap.

As the EdgeBreaker® 4400 has the capacity to deburr parts double-sided between 0.8 and 100 millimeters (0.03” – 3.15”) thick, OMS can use it for a wide variety of products. In the end, OMS gained a much stronger market position due to the EdgeBreaker® 4400.



No stress: The EdgeBreaker® processes parts faster and with less hustle and bustle in the deburring area

Seamless start

The EdgeBreaker® 4400 is not only a leap forward in terms of efficiency, Webster also emphasized the smooth implementation process. “Our

operators only needed a few hours to get used to the machine.” An important factor in this regard was the control panel, which features an intuitive set-up.

According to Daniel Webster, the EdgeBreaker® 4400 is a perfect fit for OMS: “It doesn’t just allow us to produce high-quality deburred parts on time, our staff loves the machine.

It ensures their safe return home, every day.”

www.onealmfgservices.com

Parts leveling

Flatness that matters

Standard Industrial uses ARKU leveler to ensure safety for those in need



(From left to right) Chad Ellis, Toll Processing Manager at ARKU Inc., Mike Rice, Leveling Manager at Standard Industrial and Bryce Brumm, President at Standard Industrial inspecting a part prior to leveling.

Winamac, IN – There is more to metal fabrication than mere mechanics. At Standard Industrial, the strategy is to be the customer’s most valued business partner. As a provider of parts for handicap accessible vans, they pay special attention to the need for flat sheets of material to make quality parts.

In 2018, President Bryce Brumm and his team decided to bring leveling in-house to gain more control over this crucial step.

“One of our products is aluminum wheelchair ramps,” Brumm explains. “The ramps need to be perfectly flat in

order to be mounted in the vans properly, otherwise they will fail over time and compromise users’ safety.” The production of quality parts is important to the folks at Standard because they know that their contribution to the mobility industry is having a positive impact on end users globally.

Producing flat metal, however, isn’t child’s play. The company had been leveling with press brakes, which is time consuming, produces inconsistent outcomes, and results in a higher amount of scrap.

“By having the metal leveled prior to cutting, we are capable of cutting the initial sheets faster. The result is higher output and better quality parts due to the stress-relief in the material.” When looking for the right leveling equipment, Brumm preferred a refurbished, economical machine.

“Flipping through an ARKU InfoMAX, I discovered the desired technology,” he remembers. Back in 2018, ARKU had a refurbished leveler for sale. The leveler by ARKU’s Swiss brand, HRC, exactly met Brumm’s needs. “The HRC would allow us to offer high-quality leveling on top of our existing services.”

“With the HRC, we can level the initial raw material before and after cutting. Leveling before cutting allows us to use our lasers at the most efficient setting,” Brumm states. “We pride ourselves in helping to change people’s lives, and this machine gives us the ability to do just that.”

www.standardinc.net

Visit us at the 2019 Steel Summit in Atlanta, GA

From August 26th – 28th, learn all about the latest news and trends from manufacturing companies, fabricators, service centers, steel mills, toll processors and companies who provide products and services to the steel industry. Join ARKU and see what impact we have been making on the toll processing industry with our state of the art leveling and deburring equipment.

Hungry for more

Engineered Mechanical Systems expands services with FlatMaster®



Perfectly level (from left to right) Chris Smith, V. P. of Manufacturing at EMS, Garret Cody, Plant Manager at EMS and Chris Dowden, Director of Sales at EMS.

Chattanooga, TN – After three decades in the market, Engineered Mechanical Systems (EMS) is still undergoing expansion. “It all started in 1990, when my child hood dream became a reality,” states Mark Fairchild, President of EMS. Since that time, EMS has been serving numerous industries including medical and automotive. The more customers turned to EMS, the more equipment and staff the company required. Therefore, they invested in

state-of-the art equipment for their 120,000 square foot facility. “Expansion means keeping up with the current technological standards,” Chris Smith, Production Manager at EMS, explains. This also holds true for leveling operations, which the company previously outsourced. The contract service was economically feasible – but increased the time-to-market of EMS’ sought-after products. When customers began asking for faster leveling,

Smith knew it was time for a change. “We saw a chance to expand our business model. Leveling was missing from our services,” Smith says. Since he had heard of ARKU’s expertise, he reached out to Hart Machine Tool, a sales partner of ARKU. Following thorough consultation, all parties concluded that the FlatMaster® 55 would be the best fit. It levels all of their stamped, laser or plasma-cut parts up to 0.60” thick. Processing 100 tons of parts per


month, the leveler not only achieves stress-relieved parts that can be more accurately welded, it also allows EMS to correct post-processed materials. In fact, the FlatMaster® has helped save the freight expenses and time of outsourced contract leveling. Due to its small footprint, it further saves space – a crucial asset for a company that is poised for growth.

www.engineeredmechanicalsystems.com


The new ARKU blog is online!

Blog-Categories

Case studies News Leveling Deburring Processes



5 tips for edge deburring



Smooth and stress-free with roller levelers

perfect solution? In the first article, we provide you with five tips to keep in mind when deburring edges. Would you also like to discuss these topics in a personal meeting with an ARKU specialist? We look forward to your call or e-mail. You can read the blog on all mobile devices such as smartphones and tablets, as well as on your laptop. Discover valuable information about leveling and deburring anytime and anywhere.

Visit our blog:
<https://blog.arku.com>



The new ARKU blog brings together valuable expertise, proven recommen-

dations and essential information all about leveling and deburring sheet metal.

Would you like to deburr your sheet metal edges and are looking for the

Latest ARKU Podcast Video. Check it out.

We have recently uploaded a new video to our ARKU Video Podcast. This video contains multiple examples of pictures and videos of before-after materials concerning leveling and deburring.



Toll processing from ARKU

Are you in need of leveled and/or deburred, edge-rounded parts/sheets? ARKU is your one stop shop for all your leveling and deburring needs. Contact Chad Ellis (Toll processing manager) - chad.ellis@arku.com or simply call +1 513-387-0586.

Feeding lines

Reliable press feeding is always welcome!

Craemer Group expands its processing capabilities with two ARKU press feeding lines.

Herzebrock-Clarholz, Germany – Many car seat shells, large waste containers and production tools have one thing in common: they are manufactured by

precisely these needs. In 2001, the Craemer Group purchased the first coil line with a precision leveler from Baden-Baden. Others followed over the years,



Close coordination (from left to right): Timo Schwee, Operations Technician at Paul Craemer GmbH, Drazenko Dobras, Sales at ARKU, Harald Kohl, Project Manager at ARKU, Siegbert Geldner, Managing Director at Paul Craemer GmbH and Reiner Veit, Production Manager Metal at Paul Craemer GmbH.



the Craemer Group. The internationally active company combines metal forming, plastic processing and tool making under one roof.

The vehicle components are primarily made of sheet metal. This is where ARKU comes into play: „Our customers demand light components. That is why we increasingly work with high-strength sheet metal”, explains Siegbert Geldner, Managing Director of the Craemer Group. “When using high-strength steels, we have to achieve optimum leveling results prior to stamping. As such, we need feeding lines that can provide these results with high availability.”

The feeding lines from ARKU meet

such as in 2017 and 2018. In response to the positive business development, the Craemer Group invested in two additional feeding lines from ARKU. “Both parties know exactly how to successfully complete projects like these”, emphasizes Reiner Veit, Metal Production Manager at the Craemer Group. The installations were successful as one would expect.

The latest purchases can be outfitted with coils up to 25 tons. Thanks to ARKU’s leveling and feeding technology, the coiled steel is fed reliably to the subsequent process. With the new machines, the Craemer Group aims to leverage its technological advantage.

www.craemer.com

15th place among the most innovative mid-size German companies

In a study conducted by the leading German business magazine „Wirtschaftswoche“, ARKU was listed among the 50 most innovative mid-sized companies. More precisely,

to mention, to enhance its appeal as an employer.

“At ARKU, we know that we are and remain a top address thanks to our



in 15th place. As such, ARKU stands out as the best-ranked machine tool manufacturer. The study analyzed 3500 mid-sized companies. The criteria for the evaluation included the company development, innovations achieved, investment in research and development as well as surveys among customers and competitors. This year, ARKU is planning further investments in its locations. Not

highly motivated and highly qualified employees. We are competing for the best employees. Our ability to offer an innovative environment helps us with this”, states Albert Reiss, President and CEO at ARKU. The company currently has eleven trainees and seven students from cooperative state universities. Ranging from mechanical engineering, electrical engineering to information science.

The FMA Annual Meeting ARKU – a big name in leveling/deburring toll processing services

Nashville, TN – The Annual Meeting of Fabricators & Manufacturers Association Intl. (FMA) is a can’t miss networking and educational program for those interested in

represented ARKU Inc. at the event. As a bronze sponsor, we had a booth setup with all the latest information and updates regarding around leveling and deburring. This event is



innovation and growth. Especially for those working in or with the steel processing industry. The event allows participants to take part in a company tour and breakout discussions/meetings with peers on various topics such as; how the steel tariffs are affecting the industry, economic forecasting, processing technology forums and much more.

especially important for ARKU as a meeting point for a large amount of toll processing customers. It represents a great opportunity to network and meet new contacts with can benefit from leveling/deburring toll processing. Especially since nothing beats face-to-face contact.

For the last 5 years, ARKU has been a steady attendee at this valuable conference. This year, Nicholas Miller, Chad Ellis and Denis Weinfurter

Overall the event was a big success and everybody used the time wisely to gain the most out of the discussion panels and meetings.

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