AMADA

MARKER

The magazine for the sheet metal processing industry

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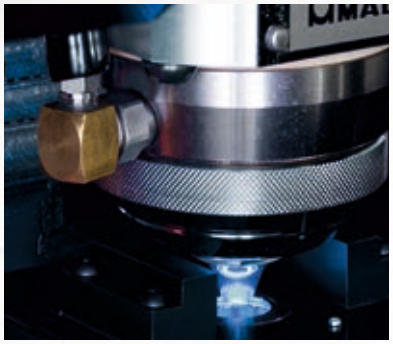

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Dear readers,

Even though the COVID-19 pandemic continues to have a great impact on our everyday lives, we can now begin to see a little more normality returning. Comprehensive health and safety concepts, together with the ongoing vaccination campaigns, are helping make it possible for business contacts to be maintained not only online but also, subject to certain provisions, in person. Thus, we have been able to welcome numerous prospects and customers to our in-house exhibitions in Reutlingen, Haan and Landshut. And we are looking forward to giving you the opportunity to experience our innovations at Blechexpo 2021 at the end of October in Stuttgart. We will display our latest machines such as REGIUS, VENTIS and HRB-ATC for the first time at the public show in Germany. The topics of automation and increased profitability and production efficiency will be at the very heart of our presentations. In addition, great importance will also be attached to issues such as flexibility, compatibility and energy efficiency.
At AMADA, even during the period of lockdown, we opened a new branch in Reutlingen. Because we have attached more importance in being closer to the customer so that we can ensure even more outstanding customer support in both before-sales and after-sales.
More than ever, we want to continue to grow with you. You can discover the potential that we currently offer for your continued growth in the current edition.

Eiichi Yagi,
President of
AMADA
GmbH

LEGAL

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After-Sales Support

Exploiting potential

At AMADA, service goes way beyond simply selling sheet-metal processing solutions. Even after the sales process is completed, the company supports its customers with a full range of services that help them to exploit the full potential of their machines.

The more complex technical equipment is, the more important it is to ensure continuous maintenance and operator information. That is why AMADA considers it so important to continue to support its customers even after the purchase. Technical inquiries are answered quickly and effectively by phone or on-site. Our secured remote diagnostic enables us to support our customers quickly and increases the productivity of the machines. Through live video chat we can pinpoint the issue effectively and ensure the smoothness of our customer's operation. We also takes care for the skills improvement of our customers' employees and machine operators. Live trainings sessions are offered at AMADA, on-site and even online to guarantee the maximum impact of knowlegde transfer about the machine. The individual trainings establish best practice at our customers, customized to each products. AMADA maintenance contract with three different service level agreement adapts to the needs of our customers. Spare parts and wear parts supply is designed to match the seamless production of our customers. Our online shop for toolings is specifically engineered to find and effortlessly place an order of the correct tools for your machines. Also the necessary software updates, both for your machines and programming, ensure that existing machines continue to run reliably and, indeed, achieve even more productive results. The advantages are clear: Well-maintained machines guarantee full capacity utilization and a long service life. What is more, when the personnel receive continuous, ongoing training, such machines always reflect the state-of-the-art and allow businesses to optimally exploit their full production potential in the long-term. At AMADA, we have made profitable use of the time during the pandemic to prepare for even closer communications with our customers in the future and continue to assist them with the best possible support. ●

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AMADA at Blechexpo: **Hall 3 Booth 3202**

Blechexpo 2021

Experiencing innovations live

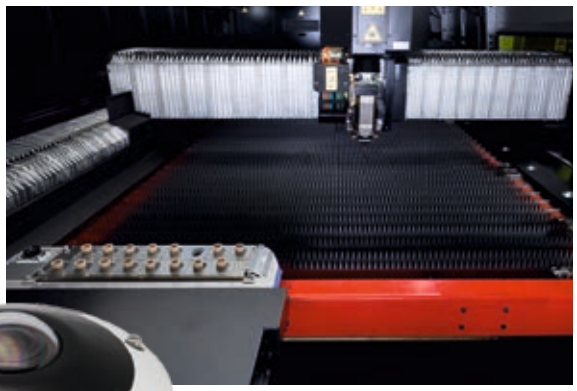
AMADA will be presenting state-of-the-art technologies and production processes for every aspect of the sheet-metal processing industry from 26th to 29th October 2021 at Blechexpo in Stuttgart.

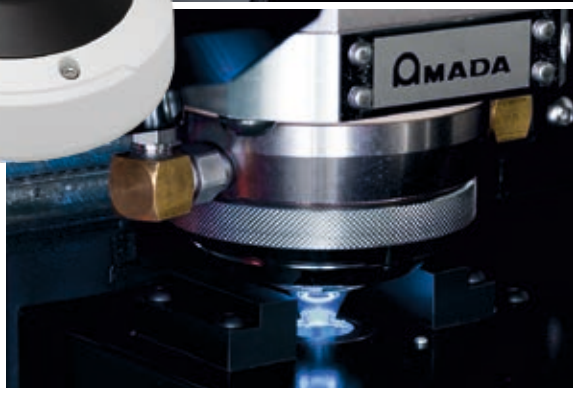
AMADA will demonstrate to industry visitors to Blechexpo how sheet-metal processing can operate even faster, more efficiently and, thanks to automation, more reliably. The trade fair will be held for the 15th time this fall in the halls of the Stuttgart Exhibition Center. After the long periods of lockdown during the pandemic, we are particularly delighted that we can now finally enjoy direct contact with our customers again and allow them to experience our innovations direct and live. One highlight will be our presentation of AMADA's wide-ranging product portfolio in Hall 3, Booth 3202: This includes the HRB-ATC, a new model of press brake for the mid-range segment which possesses an automatic tool changer with the same capacity as the HG-ATC high-end model. With the REGIUS-3015AJ, AMADA is able to present a fiber laser cutting system which sets completely new standards in terms of productivity, quality and machine availability. Alongside this, the VENTIS-AJ with its 4-kW fiber laser module stands out in terms of cutting quality and energy consumption. This is complemented by the ASF II-3015 storage system which is equipped with a unique pallet changer which travels on a new roller-based system. Last but not least, visitors will be able to discover the advantages of the further-developed EG-6013AR automatic bending cell. Instead of three grippers as in the past, the bending cell's robot unit is now equipped with five grippers, making it possible to machine parts made from sheets of up to four millimeters in thickness and also to handle larger sheets (up to 550 x 300 mm) The range of tools has also been enlarged and the angle measurement system has been adapted to the extended process capabilities. ●

Blechexpo

For further information on the trade fair www.blechexpo-messe.de/en

The AMADA REGIUS-3015AJ excels in particular during the high-precision cutting of complex geometries (shown without safety device).





AMADA REGIUS-3015AJ

The best of its kind

With its autonomously functioning assistance systems and the proven AMADA fiber laser, the AMADA REGIUS-3015AJ ensures previously unparalleled levels of productivity and machine availability. Among other contexts, the laser cutting system shows off its full performance capability when handling complex geometries with high requirements in terms of precision.

At the end of last year, AMADA premiered its AMADA REGIUS-3015AJ and, after successful initial sales, this unique laser cutting system will soon be demonstrating its strengths to users throughout Europe. "The AMADA REGIUS-3015AJ is the most productive laser system ever manufactured by AMADA," explains Axel Willuhn, Product Manager for Punching and Laser Technology at AMADA GmbH. "Practical operations have confirmed that the system runs extremely quickly and efficiently, even at low material thicknesses." The three-axis linear drive has proved to be a particular advantage here. This guarantees the high speed and outstanding precision of the cutting processes even when machining complex contours. All of this is complemented by the Laser Integration System (LIS) which equips the AMADA REGIUS-3015AJ. This comprises various autonomous functions such as the i-Nozzle Checker, the i-Optics Sensor and i-Process Monitoring. These features monitor the cutting nozzle, the protective glass and the piercing operation and specifically eliminate potential operational impairments during production, in particular during extended unstaffed or reduced-staff production cycles. And even if a collision does occur, for example between the cutting head and the cut material, the system automatically prepares itself for cutting again. "Customers greatly appreciate the fact that the system monitors itself during many of the processes it performs, automatically maintains its productivity and ensures that the personnel requirements during operation are kept to an absolute minimum," continues Axel Willuhn.

A worthwhile investment

The AMADA REGIUS-3015AJ also offers enormous cost savings. Thus, for example, the system permits the use of Clean Fast Cut Technology (CFC). Using this nozzle technology, nitrogen cutting is performed much faster and uses considerably less gas. "Used in combination with the assistance systems and the exceptionally fast controller, the system's AMADA fiber laser is able to make the very most of its advantages, and I believe that the AMADA REGIUS-3015AJ is currently the best laser cutting system available on the market," is Axel Willuhn's clear assessment. "An investment in this system is absolutely worthwhile, particularly when machining complex geometries with high requirements in terms of precision and low material thicknesses." However, the outstanding performance capabilities of the AMADA REGIUS-3015AJ can be extended even further, for example using the AMADA ASF II-3015 storage system – thereby achieving even shorter cycle times and greater flexibility right through to the parts sorting process. ●

Axel Willuhn, Product Manager for Punching and Laser Technology, AMADA GmbH

At the heart of every welding cell is the AMADA FLW-3000ENSIS fiber laser, which does not need any changes to the beam source.

AMADA FLW-3000ENSIS

Welding without compromises

With the ENSIS beam technology, the laser beam weaving function and the function of the cold wire feeder, the AMADA FLW-3000ENSIS fiber laser welding cell produces high-quality, reliable results even when welding large gap sizes. The M2, M3 and M5 model variants cover all parts geometries.

Ever since they were introduced, the AMADA FLW-3000ENSIS fiber laser welding cells have been growing in popularity. This is due, in particular, to the many production capabilities made available by the M2, M3 and M5 model variants of the high-end welding cells. For example, when required to weld aluminum with a design-imposed gap size of 1.5 mm, solid-state lasers generally come up against their limits. By contrast, the AMADA FLW-3000ENSIS rises to this challenge with ease because it can include, exclude or modify as many as three parameters during the welding process. These include the weaving function with the side-to-side movement of the laser beam, the ENSIS variable beam control which modulates the beam properties and, last but not least, the option of using the cold wire function in the process. “Every user is easily able to weld a 1.5 mm wide gap in an aluminum sheet absolutely reliably and extremely quickly,” explains Axel Willuhn, Product Manager for Punching and Laser Technology at AMADA GmbH. “This functionality is unique to the AMADA FLW-3000ENSIS fiber laser welding cell.”

Reducing personnel costs

What is more, the AMADA FLW-3000ENSIS fiber laser achieves weld penetration depths that would not be expected of a 3 kW unit. This is complemented by an exceptionally high welding process quality which reduces cost-intensive reworking to an absolute minimum. This prevention of personnel costs testifies to the welding cell’s high payback potential. Another advantage: The AMADA fiber laser has been designed to machine all commonly used materials and thanks to this versatile all-in-one concept, there is no need to change the beam source used in the system.

Variable extension levels

The outstanding welding quality, welding speed and productivity of the AMADA FLW-3000ENSIS fiber laser welding cell are ensured by all three model variants: the M2, M3 and M5. The basic equipment present in each welding cell includes AMADA’s proprietary fiber laser, a six-axis robot, a rotary tilting table system and a safety booth with tested class T2 passive laser protection system. The three model variants are characterized by different extension levels. The M2 variant with stationary robot is ideal for machining smaller parts geometries. The M3 model, in which the robot travels along a modular linear axis, is perfect for mid-sized to large parts and more complex geometries. Finally, the M5 version with linear axis and two rotary tilting tables acting as a changeover table system represents the solution for exacting demands in terms of cycle times and complexity. ●

AMADA EML-2515AJ

Extension to a successful model

With its fiber laser and servo-electric press drive, the AMADA EML-2515AJ is a highly successful machine model. As of 2022, it will be available for a brand-new loading and unloading tower.

For many years, the AMADA EML-2515AJ has proven itself to be a powerful punching/fiber laser combination solution with energy-efficient servo-electric drive. This is because it constitutes a complete sheet metal processing center and permits not only stamping, laser machining, forming, bending and thread cutting but also countersinking and deburring. The great advantage: The part that is to be manufactured remains clamped in a single position throughout the entire machining process and does not have to be constantly repositioned as is usually the case. This ensures a considerable reduction of the corresponding personnel costs and the risk of damage to parts is also eliminated. Another highlight: The laser head is mounted on a second, separate Y-axis. This permits particularly fast, high-precision and low-wear machining.

With parts sorting

In the near future, a new automation solution will become available for the AMADA EML-2515AJ, namely in the form of a loading and unloading tower. This will be a space-saving, very fast-running system which can also performs parts sorting. The solution, which will be available in 2022, will then open up new potential for highly efficient sheet metal processing at the AMADA EML-2515AJ. ●

Used with the AMADA EML-2515AJ, the new loading and unloading tower will ensure fast materials handling together with parts sorting.

ENSIS-AJ fiber laser series

Now also available with 12 kW output

As of now, the ENSIS-AJ fiber laser cutting machines are available in 12-kW versions – for faster cutting even in thicker materials.

With the new 12-kW version of the AMADA ENSIS-AJ, AMADA is extending the previously available 3-, 6- and 9-kW models of the ENSIS-AJ fiber laser cutting machines to provide a particularly high-power laser version. This will make it possible to achieve even faster cutting speeds and shorter penetration times, thus reducing the costs per part. At the same time, this power level makes it possible to use nitrogen to cut mid-thickness and thick sheets, in particular those made from stainless and normal steel.

Extended material thickness range

The normal cutting depth for the new 12-kW systems is again 25 mm. "However, thanks to their particularly high output power, the 12-kW versions of the AMADA ENSIS-AJ fiber laser series can also cut significantly thicker sheets. The only limiting factor here lies in the table loading weight, which is around 920 or 1570 kg," explains Axel Willuhn, Product Manager for Punching and Laser Technology at AMADA GmbH. Naturally the new version also possesses the long-established, proven features of the AMADA ENSIS-AJ fiber lasers, such as variable beam control and AMADA's autocollimation technology. The 12-kW versions are available with direct effect in the dimensions 3×1.5 and 4×2 m. ●

The new 12-kW model extends the AMADA ENSIS-AJ series of fiber lasers to include a particularly high-powered version.

As a new press brake for the mid-range segment, the AMADA HRB-ATC excels with small batch sizes in particular. In addition, the automatic tool changer (ATC) reduces setup times by up to 80 percent compared to manual setup.

Press brake for the mid-range segment

The new AMADA HRB-ATC

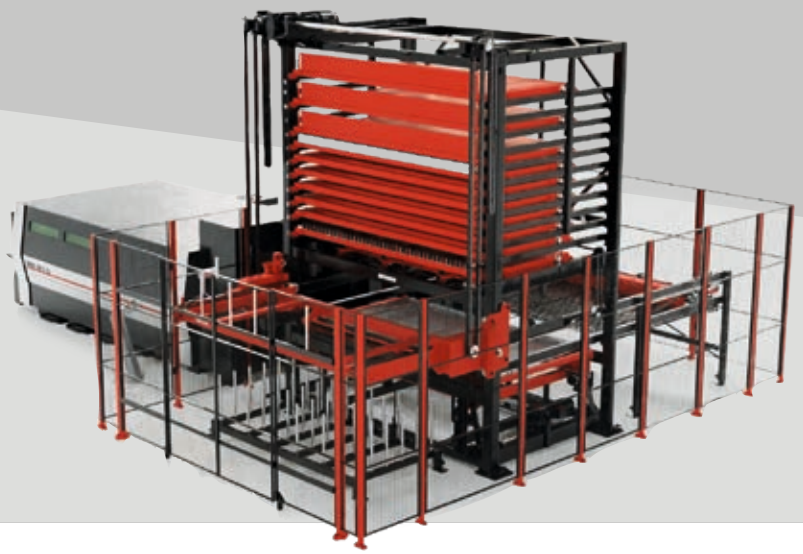
With the new AMADA HRB-ATC, it is now particularly easy to manufacture small batch sizes quickly and economically. Thanks to the ATC, the system can be used with AMADA's own AFH-ATC standard tools or can also be manually equipped with conventional AMADA tools.

Smaller batch sizes and shorter production cycles are also playing an increasingly important role in the field of press brake technology. However, in practice, the production efficiency this technology demands is greatly limited by the machine setup and the tooling times. Against this background, AMADA has now launched the AMADA HRB-ATC press brake with Automatic Tool Changer (ATC) on the market. "The AMADA HRB-ATC is a new press brake in the mid-class segment which is particularly suitable for manufacturing small batch sizes thanks to the use of the automatic tool changer," explains, Tankred Kandera, Product Manager for Bending Technology at AMADA GmbH.
The ATC's tool changing system possesses a hydraulic tool clamping mechanism designed by AMADA in-house. The ATC has a capacity of 18 magazines for dies and 15 for punches. As a result, it is possible to set up the system with AMADA's own AFH-ATC standard tools quickly and automatically. This makes it possible to reduce setup times by up to 80 percent compared to manual tooling. "A setup operation for which an experienced machine fitter needs half an hour can be completed by the ATC in less than three minutes. This greatly increases the output from the system which can therefore replace at least two conventional press brakes," explains Kandera. This is a considerable practical advantage given the frequently restricted space available on the factory floor.

Versatile in use

And what is the key to this success? The AMADA tool sets used in existing AMADA press brakes are compatible with the AMADA HRB-ATC and can be manually inserted into the system. All users can therefore work with their AMADA tools at the AMADA HRB-ATC either manually or in ATC mode – or even using a combination of the two because if the tool height is right, it is possible to add additional tool stations manually in ATC mode. In all these cases, they can take full advantage of AMADA's particularly long tools with lengths of up to 835 mm, for example when manufacturing meter-long profiles.
Another highlight lies in the fact that the AMADA HRB-ATC is equipped as standard with automatic crowning and the AMNC 3i controller. This features the new "Lite" mode which makes operation of the controller particularly simple. The press is programmed via the external VPSS 3i Bend bending software. The AMADA HRB-ATC can be optionally equipped with the SF 75 sheet follower as well as with the Bi-S active automatic angle measurement system and the automatic, mobile foot pedal. The AMADA HRB-1003ATC with 1000 kN press force and 3 m bending length will be available from July 2021, in future the AMADA HRB-ATC will also be available with 2200 kN and 4 m length. ●

Tankred Kandera, Product Manager for Bending Technology, AMADA GmbH



The new AMADA ASF II-3015 storage system operates fully electrically and possesses an innovative pallet changer.

New automation solutions

Laser cutting becomes even more efficient

With the new AMADA ASF II-3015 storage system and the AMADA MP-4020 manipulator, AMADA can offer two highly-efficient automation solutions for all AMADA FO laser cutting systems. They permit the fully automatic loading and unloading of the machines and consequently greatly increase the economic efficiency of production solutions.

Whether AMADA REGIUS, VENTIS, ENSIS or LCG-AJ: Anyone who uses AMADA laser cutting machines with flying optics (FO) for sheet metal processing can be sure of outstanding precision, speed and production efficiency. This level of efficiency can be boosted even further using the new AMADA ASF II-3015 storage system and the automated AMADA MP-4020 manipulator. “these are compact, versatile, time-saving automation solutions which rationalize the flow of raw materials and finished parts and increase productivity,” explains Rolf Somnitz, Product Manager for Automation at AMADA GmbH. In particular, the new AMADA ASF II-3015 storage system, which is designed for sheet formats of 3 × 1.5 m and a cutting pallet load of 920 kg, harbors a number of highlights in this regard: Thus, as a second-generation model, it not only functions fully electrically and completely without hydraulic components, but also possesses a new, innovative pallet changer. This travels on a new roller-based system in which the raw material is always located on the topmost pallet and the cut material is always transported out of the cutting machine on a lower level. This prevents residual parts from falling from the top to the lower level and causing collisions. The AMADA ASF II-3015 storage system can be used in automatic, semi-automatic or manual mode, the latter mode being possible thanks to the unit’s manually configurable individual sheet pallet.

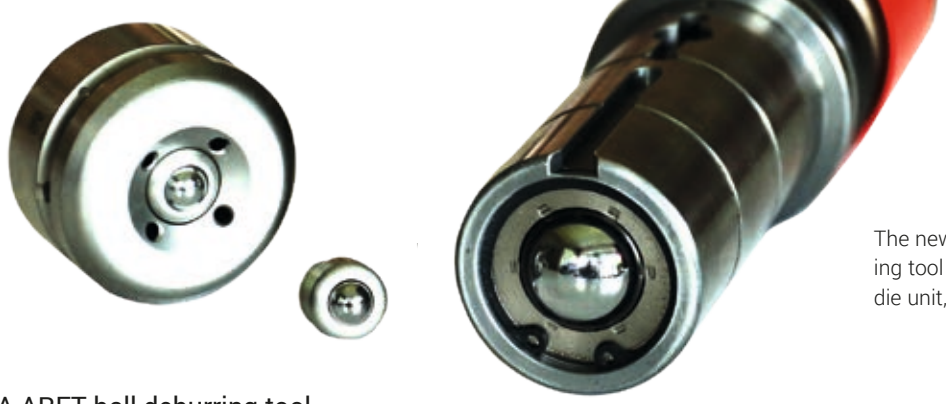
Rolf Somnitz, Product Manager for Automation, AMADA GmbH

Unstaffed handling

By contrast, the AMADA MP-4020 is the right automation solution for all users who machine large sheet formats of up to 4×2 m. One advantage of the manipulator lies in its extremely compact construction with a room height of only 3.70 m, making it easy to integrate in existing production environments. The AMADA MP-4020 with its two raw materials compartments and one unload location can also be operated manually, semi-automatically or fully automatically. “In fully automatic mode, very long operating times without cost-intensive machine operators are possible,” says Somnitz. What is more, loading with outsize sheets can be performed much more quickly with the AMADA MP-4020 than by an employee.

Possible extensions

Consequently, these automation solutions, which are available as of now, make absolute sense as highly productive extensions for all AMADA-FO laser cutting systems. Furthermore, it is also even possible to install a second output station for the manual sorting of parts or a TK unit for automated parts sorting. In this way, all users can further increase their level of automation. ●



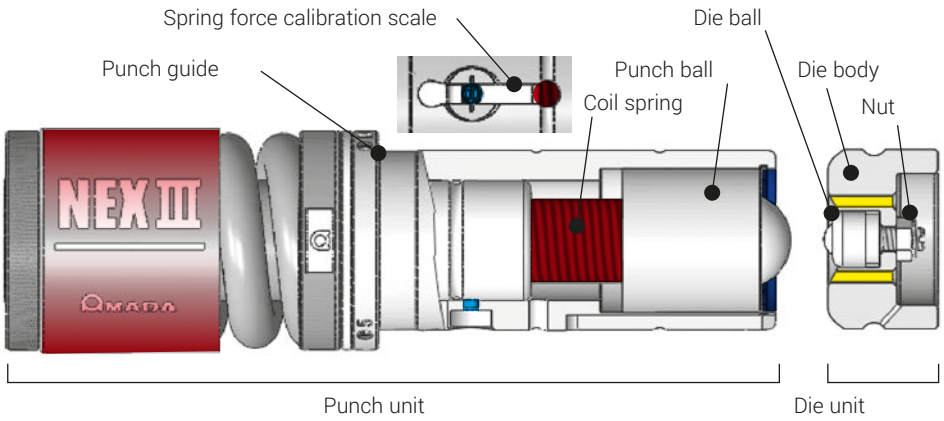
The new AMADA ARFT ball deburring tool consists of a punch and a die unit, each with a separate ball.

AMADA ARFT ball deburring tool

Deburring made easy

With the new AMADA ARFT ball deburring tool, punched edges on the back of parts can be deburred quickly, reliably and in high quality in a single operation. The tool, which can be used in manual or automatic mode, is fully compatible with all AMADA CNC turret punch presses and CNC punching/laser cutting machines.

Sharp cut edges always occur on the back of parts whenever metal sheets are machined and punched. These are usually deburred in order to minimize the risk of injury and of damage to neighboring attached parts. This is precisely the reason why AMADA has developed its new "AMADA Rapid Forming Tool" (ARFT) ball deburring tool. It can be used on almost all AMADA CNC turret punch presses and AMADA CNC punching/laser cutting machines and chamfers parts made from aluminum, normal steel and stainless steel in material thicknesses of 0.8 to 3.2 mm. "Used in the form of a roller tool, the ARFT ball deburring tool can be drawn along the entire contour, which it deburrs quickly and precisely at a speed of up to 30 m/min while producing a chamfer of 0.2 to 0.4 mm", explains Thorsten Grimberg, Product Manager for Tooling at AMADA GmbH. "This ensures enormous time savings and particularly high surface qualities."



Consistent chamfering

The main components of the new AMADA ARFT ball deburring tool are the press and the die unit, each of which is equipped with a ball. During operation, the force is concentrated at the smaller die ball to permit the chamfering of the edge area on the back of the material. At the same time, the press ball follows the movement of the material and works under a constant load. This results in a particularly even chamfer. The tool can even pass lag-free and with no parting operations over microstructures, thus helping ensure rapid machining. The AMADA ARFT ball deburring tool can be installed and removed quickly and easily through simple positioning in the turret of the punching machine.

Automatic or manual

The AMADA ARFT ball deburring tool can be integrated seamlessly in the existing AMADA VPSS 3i software solution and incorporated in the tool library. "The tool is fully compatible both with the AMADA VPSS 3i software solution and the AMNC 3i machine controller," explains Lukas Pollok, Software Application Engineer at AMADA GmbH. "Using VPSS 3i Blank, it is possible to program the tool to be used automatically – or also manually – with the required part contour."
All in all, therefore, all users can benefit from a highly efficient deburring tool which requires no additional machines or personnel. Instead, this important process step can be completed entirely at the AMADA CNC turret punch press or punching/laser cutting machine and all users directly obtain finished output parts ready for their customers. ●

Thorsten Grimberg, Product Manager for Tooling, AMADA GmbH

On site, the new AMADA VENTIS 3015-AJ is used in combination with the AMADA MP Flexit automatic loading and unloading system.

Jürgen Klose Industrietechnik GmbH, Bremen

Better cutting for more economical manufacturing

By acquiring a new AMADA VENTIS-3015AJ, the Bremen-based Jürgen Klose Industrietechnik GmbH took the step from CO_2 to fiber laser cutting. This means that the company can now cut aluminum and nonferrous metal sheets extremely quickly and in a quality never previously achieved by a fiber laser. And thanks to its outstanding energy efficiency, the 4-kW system ensures cost-efficient machining and increased profitability.

Whether in the field of tank and plant engineering or the manufacturing of pipeline systems: Ever since it was founded in 1994, the Bremen-based company Jürgen Klose Industrietechnik GmbH has concentrated on the machining of steel, stainless steel and aluminum sheets. The products manufactured by the company, which currently has a workforce of 66 employees, are used in the foodstuffs and chemical industries as well as in industrial plant and equipment, shipbuilding and yacht building, and tank interior cleaning systems. "These are often outsize parts with a large surface area, requiring us to cut sheets of 8 m^2, machine pipes of up to 6 m in length and handle base and cover geometries of up to 1.5 m in diameter, for example in the case of circular tanks," explains Managing Director Jürgen Klose. "With our AMADA systems, we are very well placed to meet these requirements." More specifically, the on-site AMADA machine pool comprises 15 AMADA systems, including five AMADA HG-2204ATC press brakes with automatic tool changer, four AMADA FO-3015NT and AMADA LC-4020F1NT flatbed lasers equipped with automation solutions, an AMADA FLW 4-kW welding laser and an AMADA AC-2510NT punch. "We have been working with AMADA since 2005," reports Klose. "AMADA simply offers us better performance and is the ideal partner for us as a mid-sized company."

Mathias Raulf, Sales Executive Northern Area at AMADA GmbH

Extremely low electricity costs

At the end of 2019, Jürgen Klose Industrietechnik GmbH decided to take the step from CO_2 cutting to fiber laser cutting – in the form of a new AMADA VENTIS-3015AJ combined with the AMADA MP Flexit automatic loading and unloading system. This is the first fiber laser that the company has used for cutting tasks. The company was particularly impressed by the results of cutting operations, in particular in aluminum and stainless steel, which clearly set the system apart from all the other fiber lasers available on the market – and indeed, before the AMADA VENTIS, this cutting quality could not be achieved by any conventional fiber laser. The outstanding cutting quality of the new system is due, in particular, to the Locus Beam Control Technology

Thanks to the new fiber laser, the company is now able to perform its cutting operations faster, more cost-effectively and profitably, in particular when processing nonferrous metals.

For Jürgen Klose, the investment in the AMADA VENTIS was exactly the right decision.

which allows the laser beam to follow a variety of trajectories within a millisecond timeframe. And this beam quality very quickly pays for itself in practice: "Unlike in the past, we can now cut even quite thick materials, such as aluminum of up to 15 mm, in perfect quality even when the product requires large numbers of holes to be cut. Another vital factor was the VENTIS's extremely low energy requirements which result in exceptionally low electricity costs per hour of operation. These are not in the slightest bit comparable with the costs, for example, of a CO_2 laser with approximately five times the electricity consumption," affirms the Managing Director. "We were naturally also very impressed by the outstanding cutting quality of the VENTIS, which is able to produce gaps of up to 2 mm – and do so at its incredible cutting speed."

Outstanding beam quality

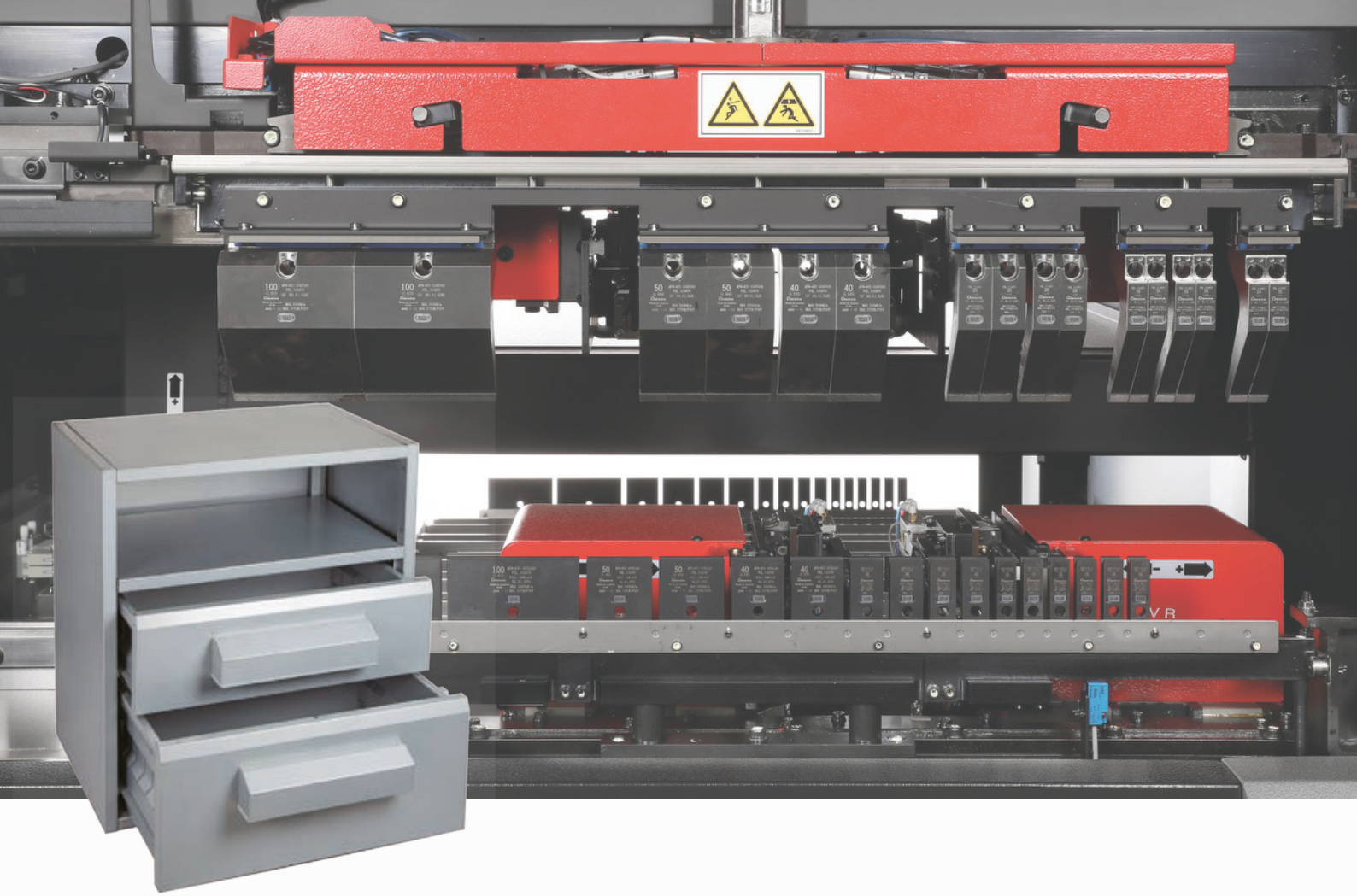
The exceptional efficiency of the AMADA VENTIS-3015AJ in terms of cutting quality and energy consumption is possible thanks to the 4-kW fiber module which is equipped with LBC technology. Thanks to the possibility of controlling the variable laser beam trajectories, LBC opens up potential applications that were not previously possible using solid-state lasers. "The 4-kW fiber laser module achieves the best beam quality available in this class worldwide and permits cutting performances, in particular in the field of nonferrous metals, that are otherwise only comparable with systems offering 6 kW or more," stresses Mathias Raulf, Sales Executive Northern Area at AMADA GmbH. In addition to LBC Technology, other advantages of the AMADA VENTIS-3015AJ included the automatic nozzle changer and the AMADA AMNC 3i control capability. The company has implemented this controller, together with the AMADA V-Factory concept, on all its more recent AMADA systems. In addition, a number of proprietary interfaces to the in-house ERP system have been subsequently programmed. In this way, Jürgen Klose Industrietechnik GmbH can map and administer all finished parts on the basis of CSV files in the ERP system.

Unstaffed and versatile

On-site, the value creation due to the new AMADA VENTIS-3015AJ is further boosted by the use of the AMADA MP Flexit automatic loading and unloading system. The personnel fill this from the neighboring AMADA CS rack system. "We use the entire load capacity of three tonnes and can handle a complete stacking unit unstaffed using the MPF system. This type of volume is perfectly adequate for us because we only handle relatively few different materials at any one time," explains Jürgen Klose. The new AMADA VENTIS was installed and commissioned without problems and the new fiber laser system has been in continuous use ever since.

The right investment

After approximately one and a half years of use, opinions concerning the new laser cutting system are extremely positive. "The AMADA VENTIS has allowed us to make significant progress, in particular in the field of the machining of aluminum and nonferrous metals In our nonferrous operations in particular, we can now cut much faster, more economically and therefore more profitably than we could in the past using our CO_2 lasers," is how Klose sums things up. "This justifies the investment and directly benefit us and our customers. This tells us that the investment in the new AMADA VENTIS was exactly the right choice and we wouldn't hesitate to make the same decision again." ●



The ideal solution for processing small batches

Set up times drastically reduced to boost up your productivity

The HRB-ATC introduces AMADA's unique Auto Tool Changer system to the mid-range sector and combines it with original AFH (AMADA Fixed Height) tooling, as well as including automatic punch rotation and the possibility to manually load any compatible tools.
The HRB-ATC reduces setup time by up to 80% compared to a conventional press brake and brings high accuracy along the beam thanks to the new auto-crowning device.

HRB ATC SERIES

AMADA

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