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Cutting World: Innovative cutting solutions at Messe Essen

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A wide variety of products and services awaits trade visitors at Cutting World 2023. Around 50 national and international exhibitors will present their products and services from April 25 to 27 in Hall 8 of Messe Essen. The product ranges extend from cutting technology and operating materials, through processing and contract manufacturing, to control software, artificial intelligence as well as services, training and further education and research.

Among the exhibitors are numerous well-known companies in the industry - among others, 247TailorSteel, AIR LIQUIDE, Boschert, ESAB Welding & Cutting, Expercut, Hypertherm, IHT Automation, Lantek, Maximator Jet, Mecanumeric, Messer Cutting Systems, SigmaNEST Systems, STM Waterjet, TECOI and Zinser will be presenting themselves at Messe Essen. Trade visitors will thus experience the entire process chain of the cutting industry.

German Cutting Congress under the motto "Trends in the Cutting Industry"

The German Cutting Congress will be held in the adjacent congress rooms parallel to the trade fair. With their ticket to Cutting World, visitors also have access to this. They can find out about the latest developments and trends in the cutting industry in over 30 expert presentations. The main focus will be on the topic of digitalization. What advantages can it bring companies? This is explained by Dr. Ing. Patrick Herwig from the Fraunhofer IWS Dresden in his contribution "Clever cutting and reducing costs - process sensor technology and AI as a way to maximize quantity and quality".

Further information on the trade show at www.cuttingworld.de and information on the congress on the homepage of the [German Cutting Congress](#).

14.12.2022

Digitization is one of the focal points of Cutting World 2023

Digitization offers numerous advantages, especially for the industry

Digitization offers numerous advantages, especially for the industry. The Cutting World trade fair and the Deutsche Schneidkongress (German Cutting Congress) will provide information about this from April 25 to 27, 2023 at Messe Essen. Whether process optimization, savings or optimized customer service - with the right digital innovations, companies can ideally equip themselves for the challenges and requirements of their business.

Exhibitor 247Tailor Steel, for example, is focusing on increased customer service thanks to digitization. Guido Schumacher, Managing Director Sales Germany and Austria: "247TailorSteel is Europe's leading "intelligent" manufacturer of custom-cut metal sheets, tubes and flashings. Thanks to our Sophia® portal, customers can place their orders online around the clock, receive a quote in just one minute and have the products delivered within 48 hours. In this way, we noticeably relieve the burden on companies and offer real added value. We will be informing the trade public about this offer and numerous other advantages at Cutting World. This is exactly where we meet our customers; personal contact is particularly valuable for us."

In addition to 247TailorSteel, Air Liquide, Boschert, ESAB, FICEP, Hypertherm, Lantek, Maximator Jet, Messer Cutting Systems and Voortman are among the companies presenting their products and services at Cutting World. Interested companies can also still register at <https://www.cuttingworld.de/cutting-technology/>.

Companies report on their experiences with digitalized processes

The two congress series "German Cutting Congress" and "German Flame Cutting Day" will be held in parallel to the trade fair for professional cutting technology. Here, too, digitization plays an important role. Several speakers will address this topic at once. For example, Dr. Markus Witthaut from Fraunhofer IML Dortmund will be speaking at the German Cutting Congress about the application of artificial intelligence for material supply.

As part of the German Flame Cutting Day, Dipl.-Ing. Guido Heilen of Voortman will report from the field on how predictive information and data visualization can increase uptime. "Digitalization in cutting technology" is the title of the technical presentation by Holger Hahn of ESAB. The congresses will be held parallel to Cutting World on all three days of the trade show. The Cutting World trade fair ticket is also valid for attending the Cutting Congress and the Flame Cutting Day.

Further information on the trade show can be found at www.cuttingworld.de and information on the congress on the homepage of the German Cutting Congress.

18.10.2021

Renowned companies confirm participation in Cutting World 2023

Registrations with early bird discount open now

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Cutting World, the specialist trade fair for the entire cutting value chain, will be held at Messe Essen from April 25-27, 2023. After the event had to take a break this year due to a pandemic, the industry is looking forward all the more to the upcoming synergistic combination of trade fair and cutting congress. The registration documents are now available at www.cuttingworld.de. An early bird discount of 15 percent beckons if you register quickly. Among others, Air Liquide, Beosys, Boschert, Expercut, IHT Automation, Mecanumeric, NUM, Mazak, Messer Cutting Systems, STM Waterjet and WBM have already confirmed their participation.

They are all convinced by the concept of Cutting World. As the only highly specialized trade fair in its sector, it brings together supply and demand for everything to do with professional cutting. Here, solutions are shown across the entire process chain. Manufacturers of oxyfuel cutting systems, plasma cutting systems, laser cutting systems and waterjet cutting systems - they all present themselves at the trade show. In addition to cutting technologies, the range includes upstream and downstream processes: from work preparation, control software and filter systems to levelling, deburring and edging, and marking of the cut materials.

The trade show thus primarily addresses trade visitors from sectors of the sheet metal working industry as well as processors of non-metallic materials. Cutting World will present itself to all of them as a trend barometer. After all, the digital networking of manufacturing processes will be the focus in 2023. The trade show will be given special added value by the German Cutting Congress, which will be held in parallel. There, renowned speakers will provide information on current topics and innovations that move the industry.

This is what exhibitors at Cutting World 2023 have to say:

Sascha Fritze, Business Unit Manager Laser, Yamazaki Mazak Deutschland GmbH:

"We are already in great anticipation of the second edition of CUTTING WORLD in spring 2023. What began in 2018, we are continuing together with Messe Essen and the German Cutting Congress. Companies that are already specialists in laser cutting, but also those that are just considering cutting metal themselves in the future, are in exactly the right place at the trade fair. By presenting our machine portfolio, we provide numerous insights into the simple operation of our laser cutting machines."

Norbert Semsch, IM Offer Deployer Central Europe, Air Liquide Germany:

"The right process gases are what make cutting perfect. Therefore, CUTTING WORLD is the optimal stage for Air Liquide to present our high bandwidth in this important segment. From oxyfuel to plasma and laser cutting,

we have the process gases in our portfolio that make the cutting process even more productive and economical, as well as delivering a high-quality result. We look forward to exchanging ideas with the industry at CUTTING WORLD at Messe Essen."

19.04.2018

German Cutting Congress and Cutting World at Messe Essen for the first time

Experts informed themselves about innovations, industry 4.0 and new technology

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The three-day trade event at Messe Essen provided the impetus for the important sector of the economy involved in industrial cutting: At the German Cutting Congress and the accompanying Cutting World trade fair, trade visitors learned about innovative topics and new solutions.

For the first time, the traditional German Cutting Congress took place at Messe Essen. The focus was on topics such as Industry 4.0, new technologies for processing materials such as metal, plastic or glass and attracting employees in times of a shortage of skilled workers. Well-known speakers from the industry passed on their knowledge here. Hartmut Müller from the Günter-Köhler Institute for Joining Technology and Materials Testing spoke about cutting glass with laser radiation. Dipl.-Ing. Peter Abels from the Fraunhofer ILT provided information on self-learning process monitoring for material processing with laser radiation. Brand coach Matthias Fuchs explained how companies can become employee magnets.

Congress organizer Gerhard Hoffmann: "We are delighted to have found our new home at Messe Essen. This is an important platform for professional exchange within the industry. For the first time, trade visitors and speakers had the opportunity to experience live what they had heard in the lectures". The Cutting World took place parallel to the congresses. Here selected exhibitors presented their innovations, some companies had brought their new machines. Trade visitors were able to obtain first-hand information about products and solutions for efficient and resource-saving cutting. On display were the first laser cutting machine designed for 2D cutting with a direct diode laser, a powerful high-pressure pump for waterjet cutting systems and a new easy-to-handle machine for removing cutting slag, edges and splinters.

Oliver P. Kuhrt, CEO of Messe Essen: "This small but fine live presentation met with a positive response from trade visitors and exhibitors. We will continue to expand them in the future and market them even more strongly. The future belongs to high-quality special events like these with a clearly focused target group".

The German Cutting Congress and Cutting World were harmoniously integrated into the portfolio of Messe Essen, which hosts numerous other high-quality trade fairs such as IPM ESSEN - the world's leading horticultural trade fair -, the leading trade fair for civil security Security Essen and Metpack, the leading international trade fair for metal packaging.

Exhibitor comments

Marcus Stickel, Member of the Management Board, Bystronic Deutschland GmbH:

"We deliberately showed our ByStar Fiber 10,000 at Cutting World. With its high output of 10 kW and its technological progress, it is an interesting alternative to plasma or oxyfuel cutting. This was also evident in the discussions we held here. Because this fiber laser cutter shows its strengths right up to high sheet thicknesses, cuts very precisely and there is less heat effect on the material".

Sascha Fritze, Business Unit Manager Laser, Yamazaki Mazak Deutschland GmbH:

"We were very happy to come to the Cutting World as we are a fan of targeted specialist events. The discussions we held here were promising. In order to present the suitable machine to the experts who were here, we demonstrated our new Optiplex 3015 DDL. This worldwide first laser cutting machine designed for 2D cutting with direct diode laser provides our customers with a high cutting speed, a leap in quality and an increase in efficiency. We see great market potential for this here in Germany".

Dipl.-Ing.(FH) Sven Anders, Managing Director, STM Waterjet GmbH Germany:

"STM Waterjet, a full-range supplier of waterjet cutting systems, presented a waterjet cutting system of the latest generation with a cutting angle compensation head in action. Visitors are always very interested in discussing waterjet cutting in detail directly at the object. We had some detailed discussions with potential interested parties, whom we had invited especially to the trade fair".