

Messer Cutting Systems at EuroBlech 2024:

# CUTTING, AUTOMATION AND DIGITALISATION SOLUTIONS FOR THE PRODUCTIVE SHEET METAL PROCESSING OF THE FUTURE

## In two halls: Innovative Complete Solutions for Cutting Systems

**Groß-Umstadt, Germany, 2024.09.11**

‘The Power of Productivity’ - the motto of EuroBlech 2024 from 22 to 25 October 2024 in Hanover could not have been better tailored for the global supplier of cutting-edge technology for the metalworking industry, Messer Cutting Systems: on two exhibition stands (Hall 13-B128 and Hall 15-A05), the cutting experts from Groß-Umstadt will be showcasing a wide range of new developments and technical world premieres that are designed to increase productivity, sustainability and safety. For example, innovative laser cutting technology, automation systems and state-of-the-art solutions for the digitalisation and networking of production - from quotation creation, component nesting and production planning to automated material movement, production monitoring and process analysis.

High-precision, productive and resource-saving sheet metal cutting, digitalised workflows and optimised processes through automation - at EuroBLECH 2024, the world's largest technology trade fair for sheet metal processing solutions, Messer Cutting Systems will be presenting future-proof ways to make the world of sheet metal processing even more productive and safe. Jörg Mosser, CEO Europe at Messer Cutting Systems: ‘Visitors to our exhibition stands can look forward to several highlights and plenty of live action. In Hall 13, Stand B128, our new, high-performance laser cutting system will be celebrating its live premiere. I can't reveal any more about it yet, the veil will be lifted



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during the trade fair. Our Bevel-U bevelling unit will also be an important topic at our trade fair appearance.' Thanks to its design advantages, the Bevel-U enables the production of precise and repeatable bevelled parts. Even with material thicknesses of 50 mm, the system delivers a wide variety of bevel contours in the best cutting quality - a major advantage in edge preparation for automated robot welding. Combined with the Laser Nozzle Control, your productivity reaches a new level thanks to the fully automatic management of the cutting nozzles.

### **Efficient, resource-saving and safe oxyfuel applications with hydrogen**

In addition to efficient cutting, heating and straightening, live applications with hydrogen also focus on health and safety at work as well as reducing the CO2 footprint: because hydrogen plays an important role as a fuel gas for oxyfuel technology on the way to decarbonising the economy. Climate-friendly, safe and economical, this solution called HyCut is a powerful and sustainable alternative to conventional oxyfuel application technology. We are the first on the market to offer solutions for flame cutting machines and oxyfuel hand tools. Together with Messer, the world's largest privately owned industrial gas specialist, we will be presenting the possibilities and advantages of HyCut in the live demo.

### **Digitalisation solutions for the sheet metal processing of the future**

Under the motto 'smart, efficient, connected', Messer Cutting Systems will be presenting innovative digitalisation solutions for the sheet metal processing of the future. A fully networked production environment with seamlessly integrated production control will be demonstrated - from component calculation and quotation preparation to automated and optimised production planning.

The new Advanced Planning and Scheduling System (APS) enables a precise overview of orders and efficient utilisation of resources. The enhanced calculation module OmniFab Sales Quotes offers precise quotation calculation. The CAD/CAM software OmniWin 2024 impresses with the revised 3D import of components, enhanced functions such as the copying of nesting plans and improved working ergonomics thanks to the dark mode.





### Efficiency through automation

If you want to master current and future challenges, such as the shortage of skilled labour, the energy transition and scarcity of resources, you need flexible processes. In addition to software solutions from Messer Cutting Systems that network machines and systems, the company's automation solutions play an important role in effectively meeting modern production challenges. For example, the modular material handling solutions from Messer Cutting Systems, which can be configured to customer requirements, enable the user to maximise machine utilisation. The advantages are obvious: maximum efficiency when integrating several cutting machines, a massive increase in productivity thanks to the fully automatic loading unit, optimised material flow, reduced cutting machine downtimes (at almost 0%), reliable material supply to several cutting machines, considerable improvement in safety, as the automated unloading of the cutting table eliminates the need to step on it.

On the second stand in Hall 15-A05, Messer Cutting Systems will be presenting ICSORT, a solution for sorting processes. In combination with the cutting systems from Messer Cutting Systems and the company's own software, the ICSORT system creates an even more efficient production environment. The live demonstration of ICSORT at the trade fair stand will show the integrated software and hardware solutions in practice.

Jörg Mosser: 'Messer Cutting Systems offers complete solutions from a single source that automate the entire material flow and information processes in production and make cutting processes economical, sustainable and safe. It is well worth visiting our exhibition stands in Hall **13-B128** and Hall **15-A05**. Let us surprise you!'

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Pic 1: The Bevel-U bevel unit of the ELEMENT L laser cutting system delivers a wide variety of bevel contours in the best and standard-compliant cutting quality, even with material thicknesses of 50 mm.  
© Messer Cutting Systems

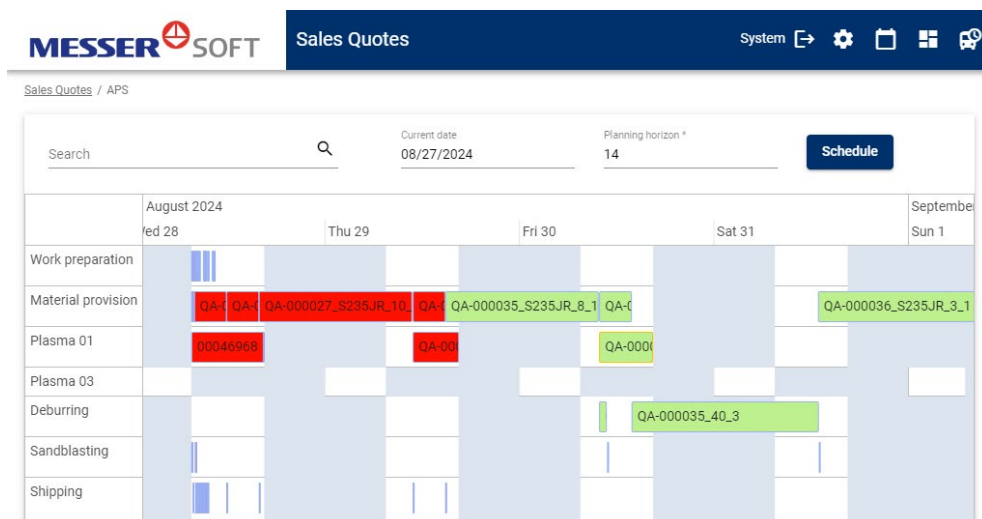


Figure 1: GANTT Chart in the Advanced Planning and Scheduling System (APS),  
© Messer Cutting Systems



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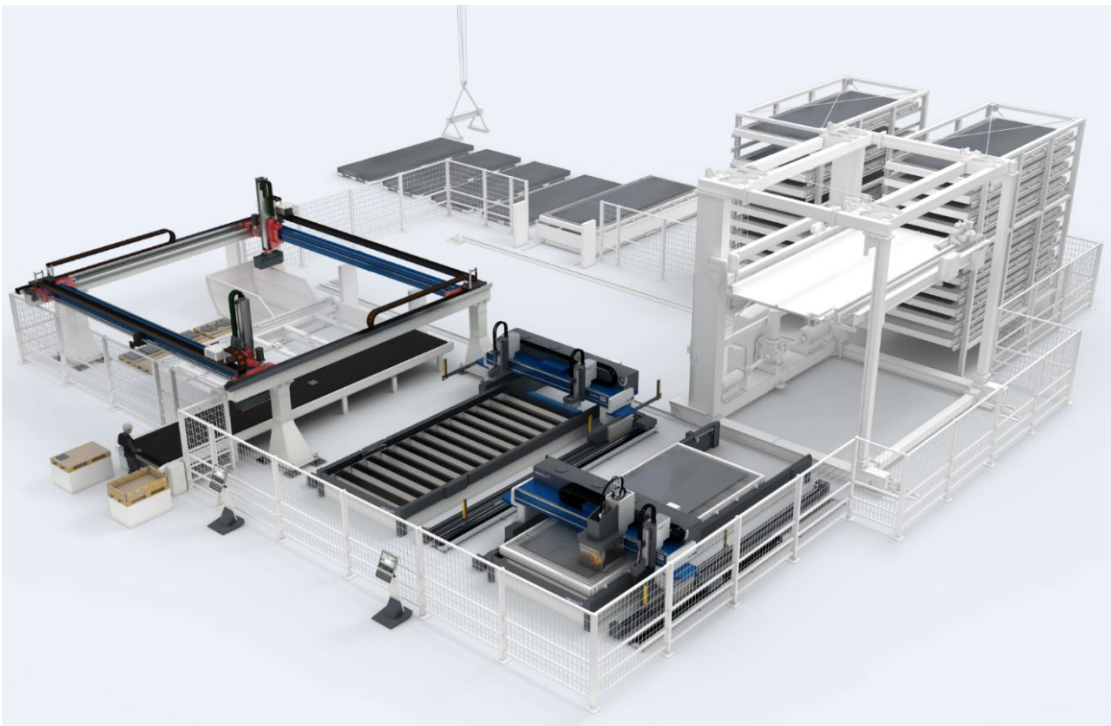


Figure 3: The modular material handling solutions from Messer Cutting Systems, which can be configured to customer requirements, offer the user maximum machine utilisation. © Messer Cutting Systems

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Figure 4: ICSORT Sorting System

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**NUMBER OF CHARACTERS: 5.702**  
**EXTRA FILE ATTACHMENTS: -**

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## WHAT WE STAND FOR

### CREATING SOLUTIONS BEYOND MACHINES

Messer Cutting Systems is a global supplier of cutting-edge technology for the metalworking industry. With almost 1000 employees in over 50 countries, we maintain a constant dialogue with our customers to achieve sustainable user-oriented innovation.

Our portfolio embraces the themes PRODUCT, DIGITAL, SERVICES, AUTOMATION and KNOW-HOW. We will live up to our claim "Creating Solutions Beyond Machines" not just with the most modern cutting systems and solutions for oxyfuel technology.

Appropriate services and training, our own software applications as well as the integration of solutions from our technology partners, e. g. in the field of automation, complete the machine to give forward looking total solutions.

Our Know-how combined with our customer-oriented attitude and actions make us the world-wide partner of choice for innovative total solutions on all aspects of cutting systems for over 125 years.



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