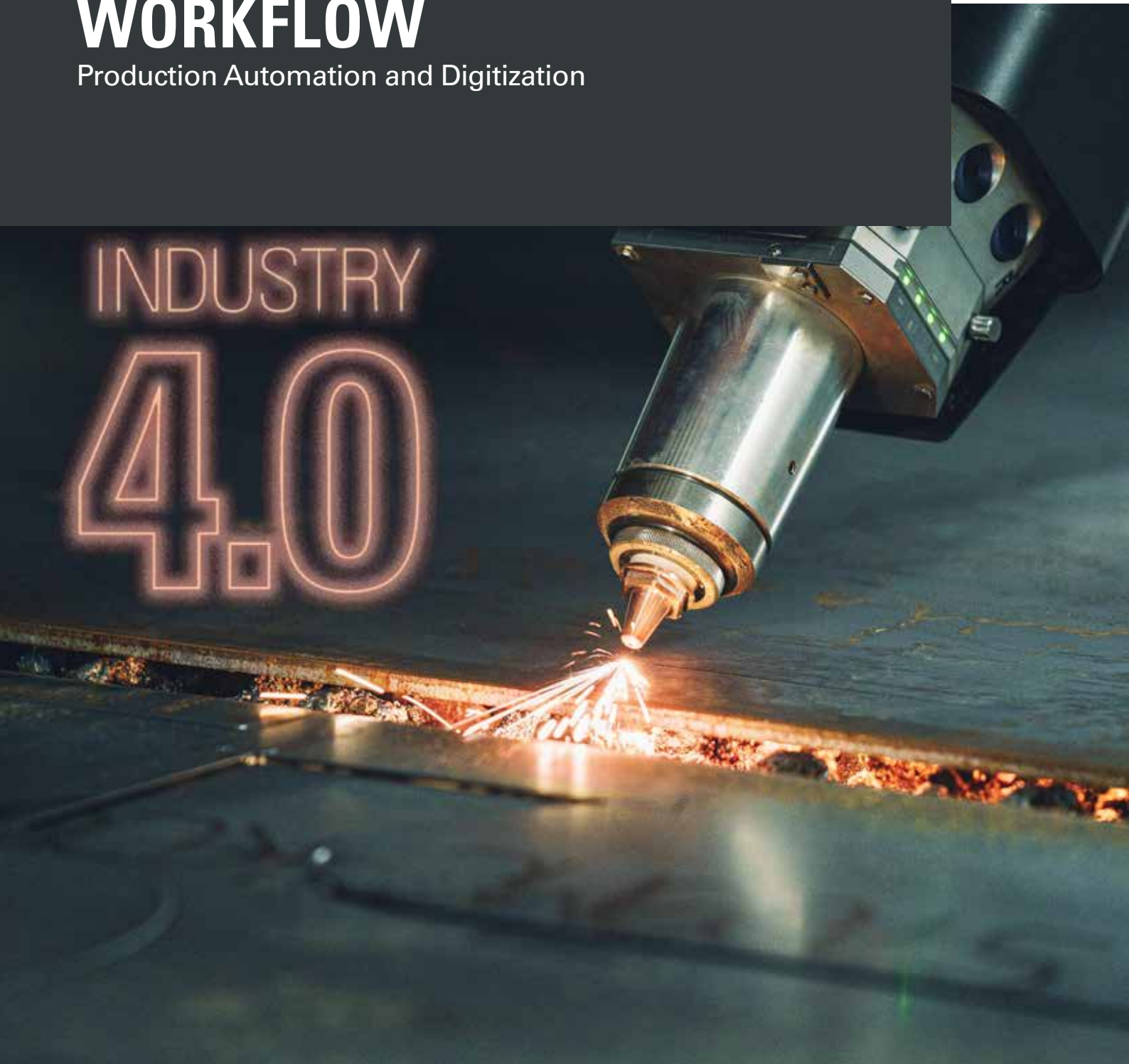


YOUR DIGITAL WORKFLOW

Production Automation and Digitization

INDUSTRY
4.0





INDUSTRY 4.0

MAKE YOUR WORLD A BIT MORE PRODUCTIVE

Be competitive and future-proof. With more efficient production and unique products for your customers. Digitization is crucial.

With our digital solutions, you can connect machines and systems. You always have immediate access to all relevant information from a wide range of sources. React quickly and effectively to changes. Make decisions based on real-time information.

Digitize your production:

- + You gain all production information digitally,
- + share this information with everyone involved in production,
- + review all currently running processes and their status at a glance,
- + track your production orders completely and consistently,
- + implement improvements faster,
- + discover potential errors and misplanning,
- + work more efficiently, reduce costs and save resources.

Across the entire value chain, this makes you

- + more productive and increases your scalability,
- + cheaper and faster,
- + open for new ways of operating, which you would not have seen before,
- + free to turn to new future-oriented projects.

**simply better and stronger -
the Messer Experience.**



OUR SOLUTION COMPETENCE IN THE VALUE CHAIN

If you know exactly how things are going in your company at any given time, you can make the appropriate adjustments. Captured data is your most important 'raw material' for obtaining context-related information. We support you in this:



SALES QUOTES

„How do I calculate part and order costs quickly and accurately and create the right quotes for our customers?“



OmniFab Sales Quotes



WORK PREPARATION

„How can I optimally nest my orders to save material and time while achieving the best part quality?“



OmniWin



PRODUCTION PLANNING

„Is my production running as planned and are my resources being used efficiently?“



OmniFab Job Management
& OmniFab APS



MATERIAL HANDLING

„How can I automate the material transport so that the system processes the material independently?“



OmniFab Material



DLING

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orders
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Flow



MACHINE OPERATIONS

,How can I see my
work orders at a
glance and report the
results and deviations
digitally?'



OmniFab PDC



MACHINE CONTROL

,How do I connect
systems to exchange
information efficiently
and in real time and
minimize manual
booking effort and
errors?'



OmniFab ERP Connect



BUSINESS ANALYSIS

,How high is the utiliza-
tion of my machines?
How accurate is my
time and cost calcula-
tion? What are the
reasons for a machine
being down?'



OmniFab Machine Insight



SALES QUOTES

„How do I calculate part and order costs quickly and accurately and create the right quotes for our customers?“

OmniFab Sales Quotes

Reliable delivery times. Correct quotes.

OmniFab Sales Quotes supports your sales department in creating quotes and put together all parts and work steps. Import parts from standard CAD formats such as DXF or STEP, select parts from the database or create them using templates. Then insert these into the offer. The module calculates production times, material consumption and weights, manufacturing costs and sales prices for the cut parts.

You assign further work steps and additional production parameters if necessary and generate a customer offer directly. All information can then be made available to the ERP or CRM system.

YOUR ADVANTAGES



- + Your quotes are based on reliable calculations, not on gut feelings,
- + the creation of the quotes is error-free and loss-free,
- + your systems are always up-to-date, even with subsequent order changes,
- + you give your customers correct information on prices, delivery times and delivery status at all times,
- + your accounting works with real-time data from production.



WORK PREPARATION

,How can I optimally nest my orders to save material and time while achieving the best part quality?'

OmniWin

CAD/CAM. Ideal for work preparation.

OmniWin is the ideal tool for work preparation when cutting with oxyfuel, plasma and laser. It handles all cutting tasks that arise, tailored to order-related production with CNC-controlled cutting machines.

OmniWin fits seamlessly into your workflows and takes over all order details from your ERP system or from OmniFab Sales Quotes. Additional geometries can also be imported, corrected or completely redesigned via import.

Finished nesting plans with all important information are passed on digitally to OmniFab. Any production waste that has arisen is automatically displayed in OmniWin in the nesting stock as soon as it has been reported in OmniFab PDC.

YOUR ADVANTAGES



- + You use digital integration throughout the entire process, including paperless working,
- + calculate the most efficient use of remaining plates through automatic nesting,
- + easily perform the most demanding bevel cutting tasks,
- + use the numerous tools for best cutting results.



PRODUCTION PLANNING

„Is my production running as planned and are my resources being used efficiently?“

OmniFab Job Management/Advanced Planning and Scheduling (APS)

Everything at a glance.

With OmniFab Job Management, you always have an overview of your jobs. You can plan jobs easily and clearly, manually or automatically, on the right machines to achieve the best utilization. The APS module uses all recorded work processes from the Sales Quotes module and plans them on all available resources. This allows you to control production from the quotation phase to

product delivery completely digitally, transparently and in real time. Feedback from ongoing operations comes in real time from the machine operators via OmniFab Production Data Capture (PDC). You use this information to react quickly to unforeseen events and make the right decisions.

YOUR ADVANTAGES



- + You have a complete overview of all production orders
- + plan your jobs more effectively by displaying the planned shift workload,
- + take into account loading and unloading times of the machine,
- + receive paperless feedback from production,
- + optimally utilise your production resources.



MATERIAL HANDLING

,How can I automate the material transport so that the system processes the orders independently?

OmniFab Material Flow

Automatize material flow.

Automating the material flow in production not only leads to increased speed and reliability but also to a significant increase in overall production. The aim is to use the machines efficiently and reduce downtime. With OmniFab Material Flow, machines are loaded automatically and cutting orders are processed without user intervention. OmniFab Material Flow then immediately initiates the automated unloading of the machine. The time-consuming unloading of the components

can be carried out by fully automated sorting systems. This means that you can map your entire production process fully automatically, from the plate to the finished component. All important information on components, business key figures and processed cutting orders are available for further processing via interfaces. This means that you can manufacture fully automatically and always have an eye on your production.

YOUR ADVANTAGES



- + You utilize your machines to the maximum and coordinate material automatically,
- + enable unmanned operation 24/7,
- + use real-time data on production, loading and unloading times to improve,
- + avoid errors and downtimes,
- + relieve employees of routine activities and bind them to your company.



MACHINE OPERATIONS

„How can I see my work orders at a glance and report the results and deviations digitally?“

OmniFab Production Data Capture (PDC)

Always up-to-date: digital job information.

OmniFab PDC provides your machine operators with all the necessary and, above all, the most up-to-date information about each job in digital form on the machine. Missing parts, deviations in the plate used, deviations in the planned remaining plate geometry and other real-time feedback are recorded easily and intuitively via OmniFab

PDC. For optimal planning in the future, record and evaluate loading and unloading times. Integration into Job Management, ERP Connect and OmniWin enables seamless feedback of production results. This allows you to make the right decisions more quickly.

YOUR ADVANTAGES



- + Your digital working papers contain the latest information,
- + you receive feedback on production results including remnant plate geometry,
- + your production planning receives direct feedback,
- + you record loading and unloading times.



MACHINE CONTROL

„How do I connect systems to exchange information efficiently in real time and minimize manual booking effort and errors?“

OmniFab ERP Connect

Saves time. Completely automatically.

OmniFab ERP Connect handles all communication between OmniWin, OmniFab and your software systems. Order information, customer information, plates, parts and all feedback from production are exchanged between the connected systems.

You avoid media disruptions and save on working papers. This lays the foundation for the digitization of your processes.

YOUR ADVANTAGES



- + You save time through automatic transfer,
- + the exchange of data is error free and is never lost,
- + your systems are all always up to date, even if there are subsequent changes,
- + you have permanent access to all relevant data in all systems and process steps.



BUSINESS ANALYSIS

„How are my machines utilised? How accurate is my time and cost calculation? What are the reasons for a machine being down?“

OmniFab Machine Insight

The running operation transparent at a glance.

OmniFab Machine Insight provides you with important information about your machines during operation. In addition to information about the job or shift currently being produced, you can see a graphical representation of machine utilization and the number and type of errors that have occurred on the machines. This allows you to identify the errors as early as possible and take appropriate action.

The powerful reporting app in Machine Insight generates meaningful reports on a configurable time basis such as shifts, weeks, months. These reports support you in creating and achieving your key business figures. In addition, the most important information is also available to you via a mobile app, giving you an overview of production from anywhere and at any time.

YOUR ADVANTAGES



- + You gain real-time data of your machines,
- + recognize the actual workload and sources of error,
- + use configurable, meaningful reports,
- + use the mobile application for constant control.

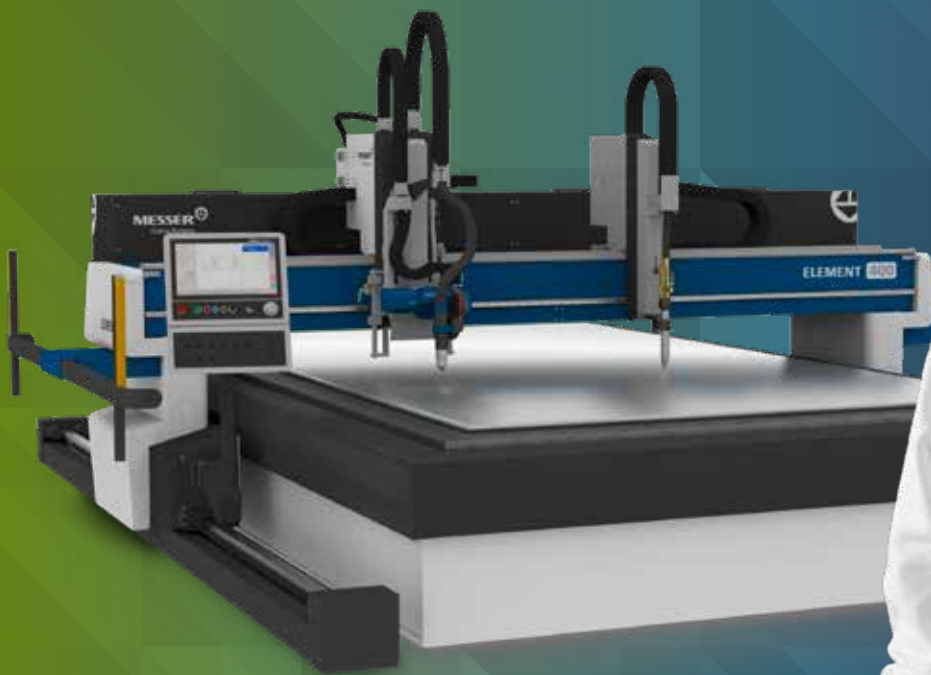
DIGITIZATION WITH MESSERSOFT

In Industry 4.0, production interlocks with the most modern information and communication technology. Messer machines and software from a single source ensure maximum utilization of existing resources.

Complete integration of your cutting machines

Our modular software portfolio integrates your cutting machines into your business and production processes in the best possible way and supports the key functions throughout the entire workflow.

A common entry into digitization is made with job preparation: jobs, CAD/CAM, nesting and program generation. OmniWin provides the tools to achieve this and become a holistic part of your process for operators, production managers, process analysts and service technicians. Messer machines and software thus guarantee the perfect introduction to digitization.



DIGITAL WORKFLOW

DIGITIZE YOUR PRODUCTION

The digital solutions perfectly complement the holistic range of products, automation, services and know-how.



SALES QUOTES

JOB MANAGEMENT

ADVANCED PLANNING &
SCHEDULING

MATERIAL FLOW

PRODUCTION DATA
CAPTURE

ERP CONNECT

MACHINE INSIGHT



OMNIFAB

Software Suite for your digital transformation

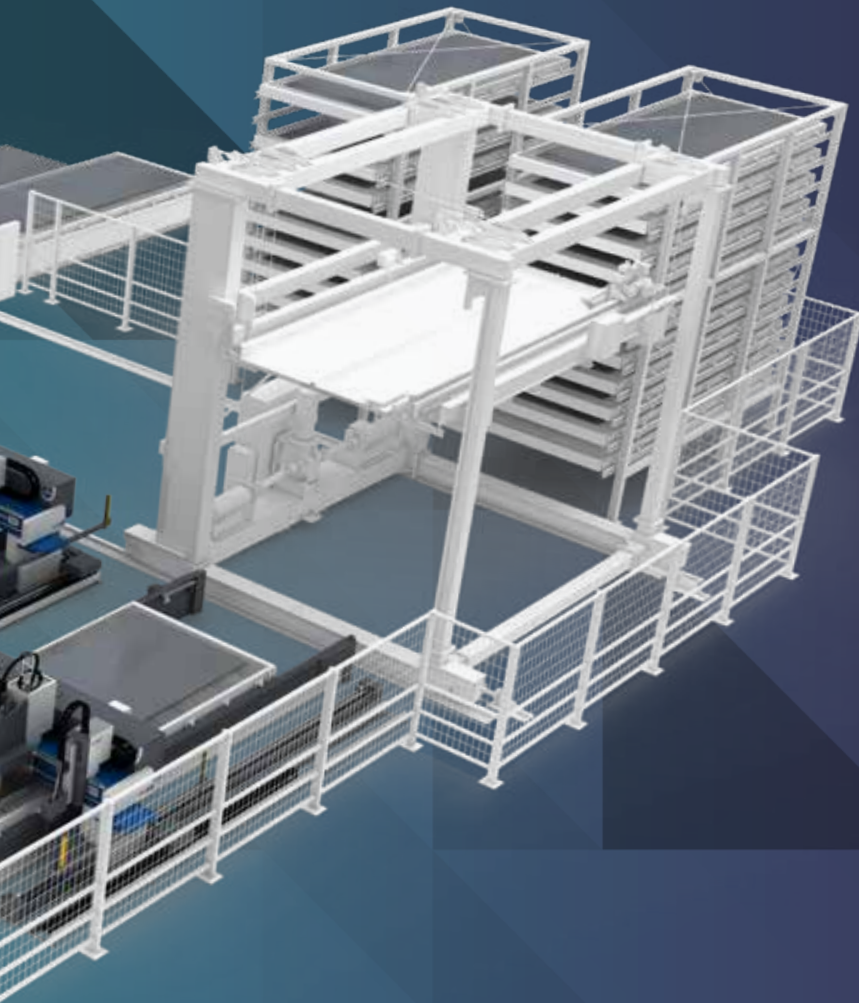
OmniFab is the modular software suite that accompanies companies in the cutting technology on their way to digital transformation. With the OmniFab Suite, you can optimize quotation creation and master production planning, control and monitoring. By using "refined" data, OmniFab provides contextual information that creates real added value.

YOUR AUTOMATION SOLUTION AT A GLANCE

Machine and software from a single source: discover our digital information and process technologies combined with intelligent automation solutions.

Efficiency and productivity are the focus of automation. Combine your machines with IT and automated material handling systems to speed up production and minimize errors. Make optimal use of your machines 24/7.

OmniFab automatically controls your material flow for you and supplies your machines with the right material on time. Integrate material handling systems such as loading and unloading stations, storage towers, sorting systems and transport units.



OMNIWIN

Ideal for work preparation

The powerful, easy-to-use CAD and nesting software that saves time, materials and costs. OmniWin is the ideal tool for work preparation when cutting with oxyfuel, plasma and laser. It takes on all the cutting tasks that arise, tailored to the order-related production with CNC-controlled cutting machines.

CREATING SOLUTIONS BEYOND MACHINES

Messer Cutting Systems recognized the importance of digitization in the areas of work preparation, production planning and control at an early stage. Therefore, Messer Cutting Systems founded MesserSoft GmbH in 2008. The digital solutions perfectly complement the holistic range of products, automation, services and know-how.

PRODUCT

Feel concentrated competence for your cutting process from the entry-level machine to the ultra-high-performance machine. Machine engineering solutions made in Germany.



AUTOMATION

Maximize your machine utilization and improve productivity with our modular automation solutions.



SERVICES

Experience 360° services and ensure maximum availability: for and around the entire machine life cycle.



DIGITAL

Discover the possibilities that digitizing your processes quotess you.



KNOW HOW

Profit from our experience, our successfully realized projects, our knowledge: through practical training and consulting.





OmniFab
OmniWin

DIGITAL INFORMATION AND PROCESS TECHNOLOGIES **FROM MESSERSOFT**

Software innovations since 2008

MesserSoft is a wholly owned subsidiary of Messer Cutting Systems and its portfolio combines all the software products of the group under one roof. Its core competence is the integration of Messer machines into the business processes of our customers.

State-of-the-art digitization

MesserSoft offers optimal software solutions for new machines as well as for existing customers of Messer Cutting Systems worldwide. As a well-established team of experts with high IT and cutting competence, we are closely networked with the global resources and the competence centers of Messer Cutting Systems.

Digitization and automation from A to Z

At every stage, from the preparation of an offer to after-sales service, you will receive solution from us precisely tailored to your needs with regards to machine, control and production technology. Machine, software and service are provided to you as an integrated total solution.

Thanks to the close cooperation between Messer Cutting Systems and MesserSoft, we can react quickly and precisely to your needs. With us, you will always find the best solution for your production to improve the efficiency of your operations.

Discuss with us your ideas for the production of the future!

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