

# OUR MISSION: YOUR PERFORMANCE

**HOMAG Service — from good to great.**

Improved performance, more efficient processes,  
faster help, assurance of availability and smarter working.



WALY YOU







## VAL YOU

Our VAL YOU comes from VALUE ADDED. Our objective is derived from this name: We create added value for your business by helping you get the most out of your processes. We believe that good service means providing assistance quickly, as well as being available to deliver expert advice. We like to work closely with our customers – think of us as your knowledgeable friend! To strengthen this partnership, we have developed comprehensive packages of service modules that are closely aligned to your processes. Our services can now be deployed with more flexibility than ever before, which means they'll fit your requirements perfectly!

## YOUR SOLUTION

[MORE AT HOMAG.COM](https://www.homag.com)



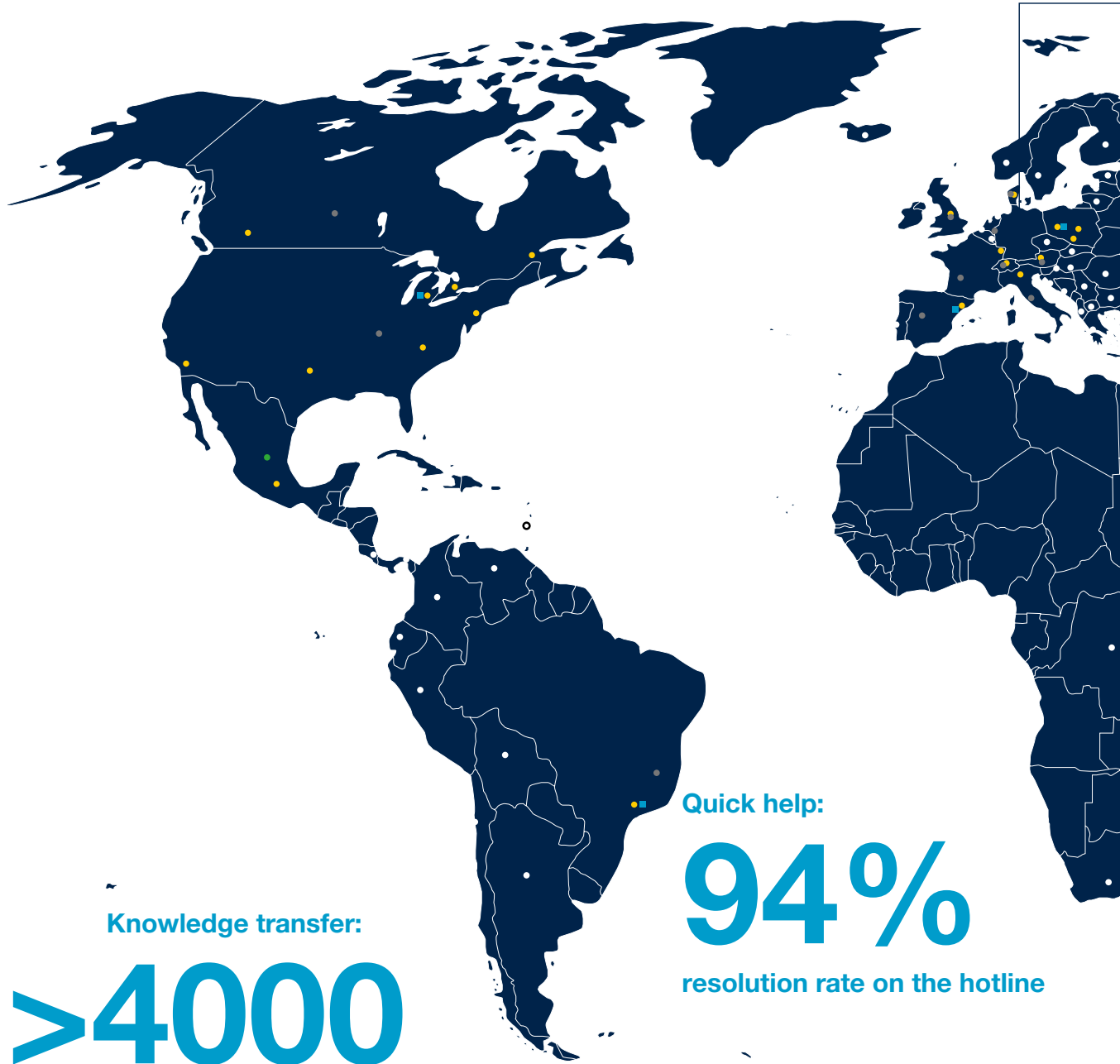
Product brochure

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## On-site, worldwide.

HOMAG has a global, broadly positioned service network and is active in more than 100 countries. You will receive professional and reliable support from highly trained employees. This forms the foundation for strong partnerships.



Knowledge transfer:

**>4000**

customer training  
sessions worldwide each  
year

Quick help:

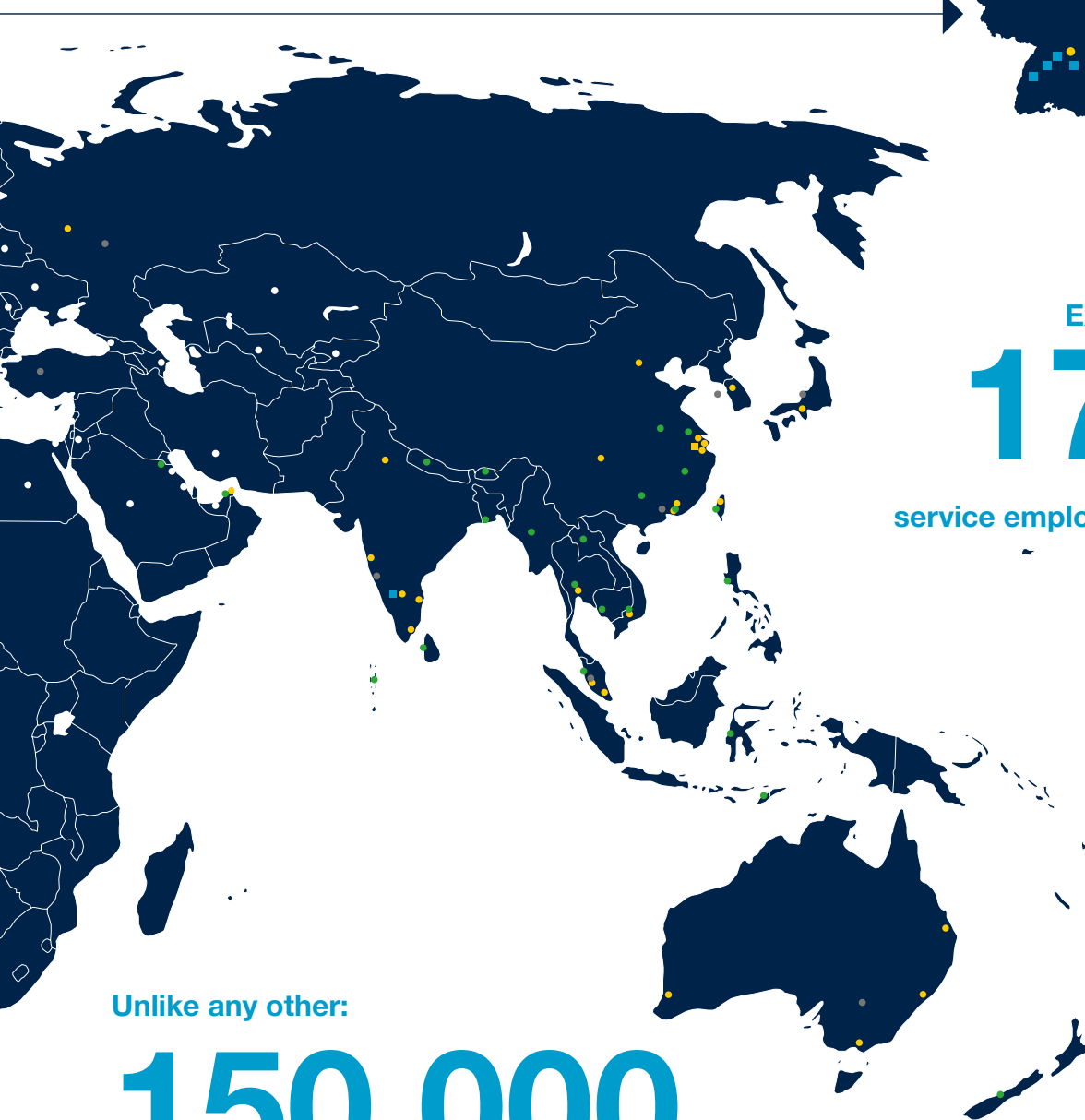
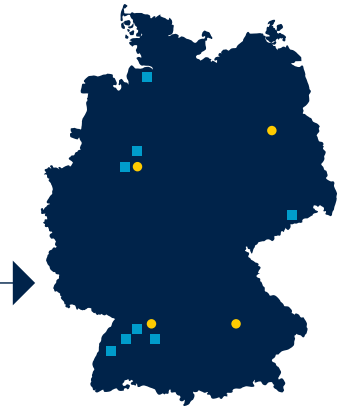
**94%**

resolution rate on the hotline



On the way:  
**>2000**

spare parts shipments worldwide per day



Experts near you:

**1750**

service employees worldwide

Unlike any other:

**150,000**

machines with electronic  
documentation available in 28 different  
languages via eParts

- Production sites worldwide
- Sales and service companies worldwide
- Branch offices of sales and service companies worldwide
- Exclusive sales and service partners 1

# **HOMAG Service** | VALYOU for a Lifetime Always at your side, right from the very start.

Join us on the road to success: Our service team will ensure that you get off to an excellent start. With our guarantee, we use our services to ensure that your performance is always miles ahead — and if you want to get the best you can out of your current status, then we will help you to improve even further. And if you choose a new technology altogether, we'll be ready to start the process from scratch!



**INSTALLATION**



**TRAINING**



**HOTLINE**



**DELIVERY**



## **LAY THE RIGHT FOUNDATIONS**

- Our on-site team will ensure that your newly acquired technology is brought to life. The machine is positioned by laser and anchored to the ground, then is commissioned and has its software activated before being handed over to the operating personnel. Find out more on page 9.



SPARE PARTS



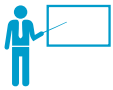
MAINTENANCE



PROCESS OPTIMIZATION



MODERNIZATION



TRAINING



**PEACE OF MIND**



**SHAPING THE FUTURE**

- To ensure that your machine is performing as it should be every day, we are able to supply you with replacement and spare parts. We also offer maintenance services such as inspection or servicing. And if something is urgent, we have a hotline that will help you quickly and efficiently. We also offer apps such as MachineBoard, ServiceBoard and twinio that make everyday work considerably easier. Find out more on page 13.

- The beauty of HOMAG is that you can expand our solutions precisely in the way that you need to, especially in terms of automation. Do you want to know how you can expand something? If you're making plans for future development, allow us to get involved so we can review all the options that are available to you. Our consulting team can also analyze the overall effectiveness of your equipment. Find out more on page 45



**VALYOU**

**OUR MISSION:**



# Installation

**GETTING OFF TO A GOOD START IS IMPORTANT.  
AND NOT JUST IN SPORTS.**

Once a machine is commissioned, you should be able to use it immediately. We'll make sure that's the case! Your machine is aligned, anchored, connected, run in — and then it's ready to go.

## Installation | Well-positioned from the very beginning

Our global team of highly trained and certified technicians ensure that the machine you have purchased or the plant you have interlinked is brought to life. This lays the foundation for your first steps toward a successful future.







- More than 1350 field service technicians worldwide
- Over 8000 installations per year

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# Machine operation

**EVERYTHING UNDER CONTROL WITH MAXIMUM TRANSPARENCY.**

To get the most out of our machines, it is important to ensure correct operation. Our training team makes sure of this before you even get started using the machine. We also offer a whole range of useful tools, such as apps that make standard work activities much easier for operating personnel. The benefits can be seen every day!



## MachineBoard | Machine monitoring

As a machine operator and production manager, you can improve machine monitoring, prevent machine downtimes and keep track of remaining runtimes.

The MachineBoard app can be used on your smartphone, tablet, PC or smartwatch and allows you to see the current status of each machine at a glance. The colored markings indicate exactly where an error has occurred, where a machine is stationary or is currently being equipped.

MachineBoard also clearly displays the remaining runtimes for the respective processing cycle of the individual machines, provided that the machine is technically capable of doing so. The machine operator therefore has an overview at all times of when and where any intervention is necessary, enabling them to work more efficiently. The machine operator receives a push notification 60 seconds before a program ends.

If an error is present on a machine, the machine operator receives this information via a push notification on their smartphone, tablet or smartwatch. Especially in the case of interlinked process steps, unnecessary delays can be avoided in this way, since the machine operator is informed immediately and can intervene in a timely manner.

Individual machines can also be selected in MachineBoard. This brings up a detailed overview that provides extensive information on the machine status. It can be used to view information such as whether an emergency stop button has been activated or a particular error has occurred. This information is available in the app at a glance. The level of detail displayed may vary depending on the type of machine in question.



### MACHINE OVERVIEW

Overview of all machines for your entire production operations - across multiple manufacturers for integrated tapio partners and with color coding of machine statuses.

### REMAINING RUNTIME

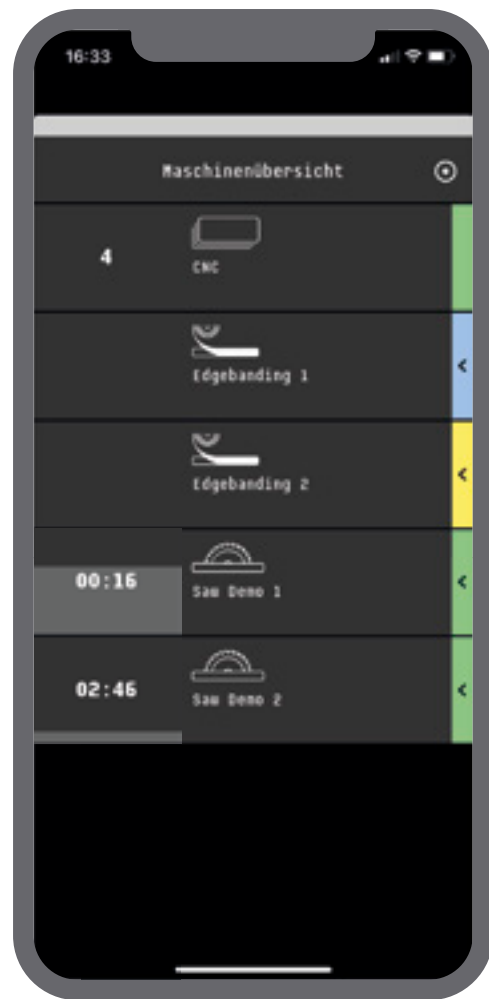
See at a glance how long the processing cycle or the CNC system cycle still has to run.

### PUSH NOTIFICATIONS

Receive notifications on your smartphone, tablet or smartwatch, if problems occur on a machine or if interaction is required, such as setting up.

### DETAILS FOR EACH MACHINE

Specific details for each machine can be displayed by tapio partners who are already integrated.



### ADVANTAGES OF MACHINEBOARD AT A GLANCE

- Keep an eye on the status of machines at all times
- Monitor machines from different manufacturers in a single app
- Receive error messages from machines
- Monitor remaining runtimes of machine programs
- One app that shows the status of all machines from integrated manufacturers

powered by  
**tapio**

## MMR Mobile | App for performance analysis of your HOMAG machines

The MMR Mobile app from HOMAG provides you with a complete overview of the performance of your HOMAG wood processing machines, ensuring that you're able to access all relevant machine information at all times and everywhere — on your tablet or your smartphone.

Get even more out of your machine fleet with this app and make your workshop more efficient and digital in the process.

Clear graphics provide a retrospective overview of your most important key figures, such as the status of your machines. You can select different evaluation periods to identify trends.

With MMR Mobile, you can easily identify potential for improvement and deduce the necessary measures for your future production.



The key figures and evaluations are clearly presented and provide a quick overview of the performance of your HOMAG machine fleet:

- Short term:  
previous 8 hours or 14 days
- Medium and long term:  
previous 3 months or previous year







## twinio | Digital tool maintenance

With twinio, you can manage your tools digitally. This gives you a quick and easy overview of your tools, on your smartphone or your desktop. Features include:

### DIGITAL TOOL OPERATION CARD

Original tool data, digitally available directly from the manufacturer in the app!

### SCAN FUNCTION

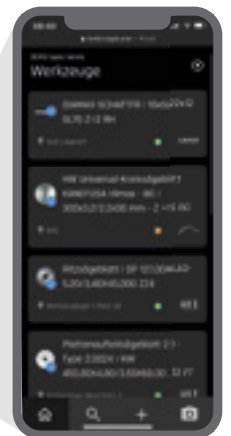
Easily identify the tool — with a QR code, barcode or data matrix code.

### MANAGE STORAGE LOCATIONS

Manage individual storage locations in the workshop and assign tools — no more annoying searches!

### TOOL PERFORMANCE

View and evaluate tool performance using historical data.





## Spare parts supply | Quickly available worldwide

Do you need replacement parts and wearing parts for your HOMAG machine? We can guarantee excellent parts availability thanks to our network of over 90 regional service organizations worldwide. More than 1000 spare parts deliveries are dispatched each day. With this service, you secure maximum availability and a high performance level from your machine, while we guarantee premium quality with our original replacement parts.

What is the best way to achieve maximum machine and plant productivity? We can provide you with recommendation lists for replacement parts and wearing parts. Our highly qualified spare parts specialists can offer you optimum advice and support by suggesting individual solutions for targeted replacement part provisioning.

[shop.homag.com](https://shop.homag.com)



- We have over 35,000 spare parts available from stock
- This allows us to deliver over 85% of the orders immediately

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# Maintenance

**PREVENTION IS ALWAYS BETTER THAN THE CURE.**

Through routine inspections, the machine status is checked regularly. This allows critical developments to be detected at an early stage before they cause damage, so you benefit from excellent machine availability and maximum production reliability — and you only pay the costs that are really necessary.



## Maintenance | Why is it so important?

It's important to take care of your machine in a similar manner to how you take care of your teeth and go for regular check-ups at the dentist. As with your teeth, it is better to prevent

"pain" in production and ensure that your machines retain their "bite". This is the primary task in maintenance:

**"In our opinion, a machine can be used for a much longer period of time when it is subject to regular inspections and maintenance. This way, we can continually keep an eye on our machines and plan ahead better."**

Markus Kempfner, Sauter GmbH, Überlingen

### **WE OFFER YOU SECURITY THROUGH OUR SERVICE CONTRACTS.**

Specifically, our certified experts will visit you regularly and ensure that the entire servicing process runs smoothly:

- **Want to make sure that your planning is stress-free?**

No problem: We plan inspections with you both regularly and with foresight. This way, you can be sure that we are on our way when we're needed, while you continue to focus on your business.

- **Want to take advantage of financial benefits?** You're in luck: Our package offers savings of around 10%.

**Take advantage of our experience from over 70 years of mechanical engineering and worldwide operations.**



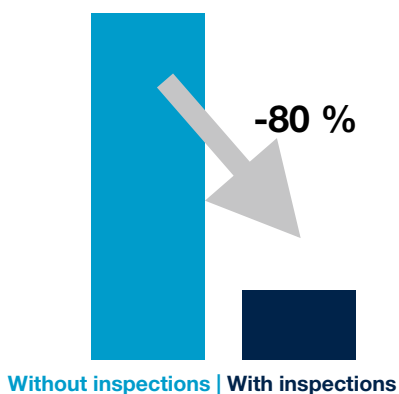


# Inspection | Prevention is always the best medicine

Regular inspections guarantee machine availability. We know for certain that regular inspections reduce unplanned downtimes (and unplanned work).

OUR PERFORMANCE CLASSES:	CLASSIC	ADVANCED	PREMIUM
Advance scheduling of appointments	✓	✓	✓
Determination and documentation of the actual condition of the machine	✓	✓	✓
Presentation of the deviation between target values and actual values	✓	✓	✓
Recording of spare and wearing parts	✓	✓	✓
Discussion of the inspection report	✓	✓	✓
Recommendations/offers of measures	✓	✓	✓
Performance of maintenance and adjustment work for up to two hours		✓	✓
Delivery in advance and direct installation of worn parts			✓

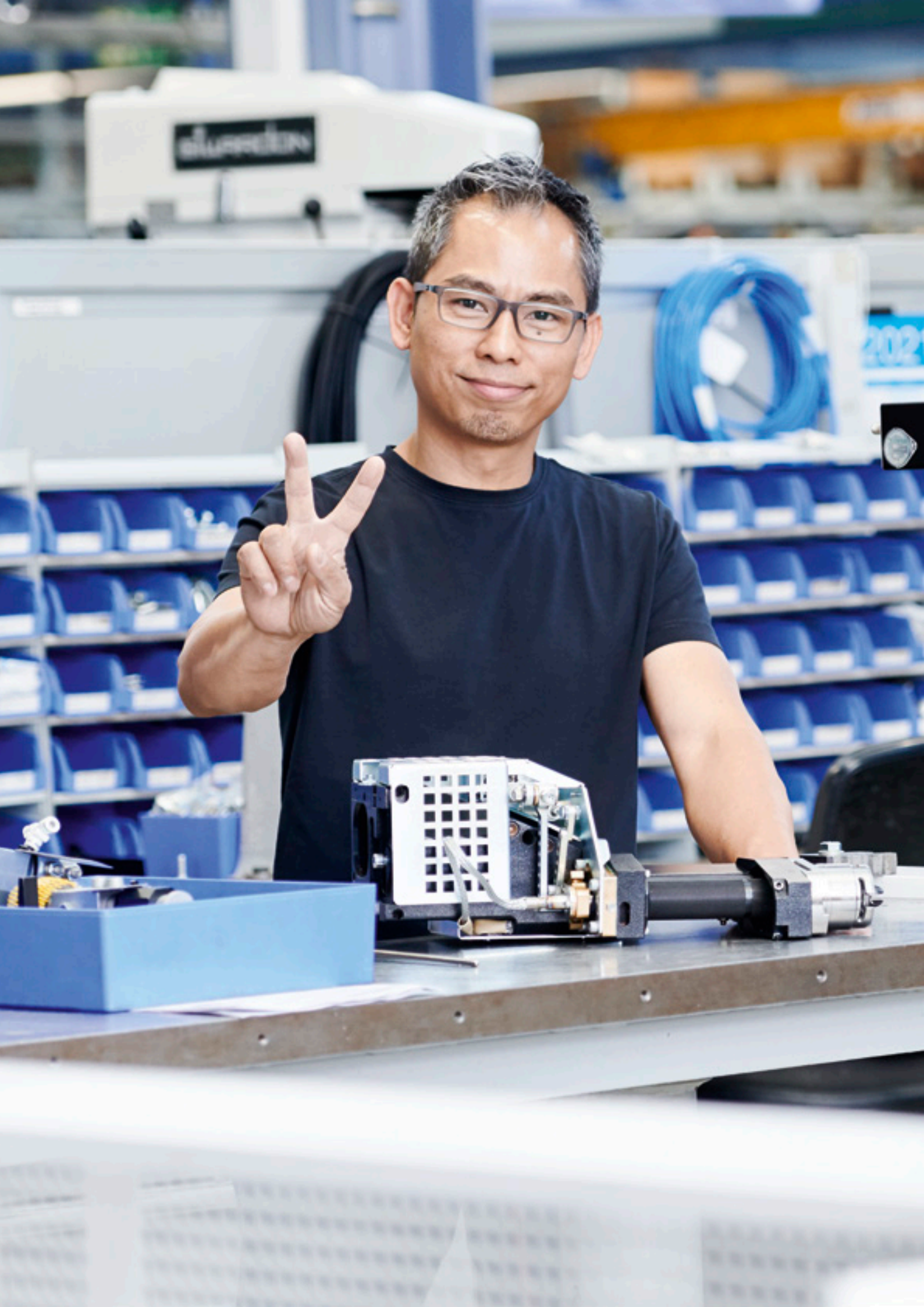
## UNPLANNED DOWNTIMES



**"Inspections ensure technical availability and reduce the risk of unexpected production downtime."**

Tobias Blattner, Product Manager  
Global Sales & Service, HOMAG, Schopfloch





## Repairs | Fast. Easy. Straightforward.

Do you need your machine PC or electronics cards repaired? We offer a comprehensive repair service for selected assemblies and components.

Are you looking to produce a high standard of product quality represented by a consistent glue joint? We offer a cleaning, maintenance and repair service for your glue application units.

Are you looking for consistently smooth drilling or trimming performance? We restore, maintain and repair your HOMAG CNC units with our express repair service. Guarantee the availability and top performance of your machines with these professional services supplied directly by the manufacturer. Our experts combine several decades of experience with the use of high-quality tools and state-of-the-art measuring methods.

To have urgently required repairs processed even more quickly, you can register for these services online in advance.

You can do this via the repair at HOMAG.com or the ServiceBoard app. The ServiceBoard app can be purchased from our partner tapio at tapio.one.



**Order repairs conveniently online.**  
shop.homag.com

To ensure the availability of your machine and the high quality of your products, our repair service works at full speed for you. You can find our comprehensive range of products at a glance in the HOMAG eShop — including specific prices and delivery times. Benefit from up to 12 months of warranty and our express repair offer and order everything conveniently online.

### Glue application unit

Our services at an attractive fixed price:

- **NEW!** Complete **cleaning**
- Comprehensive **maintenance**
- Or: immediate delivery of a **replacement device**

### Electronic components

We offer comprehensive repair services for more than **300 electronic components** — even for many older assemblies and components.

### CNC units

Through our repair service, we will repair your BENZ CNC unit at a cost-effective fixed price **within 48 hours**.

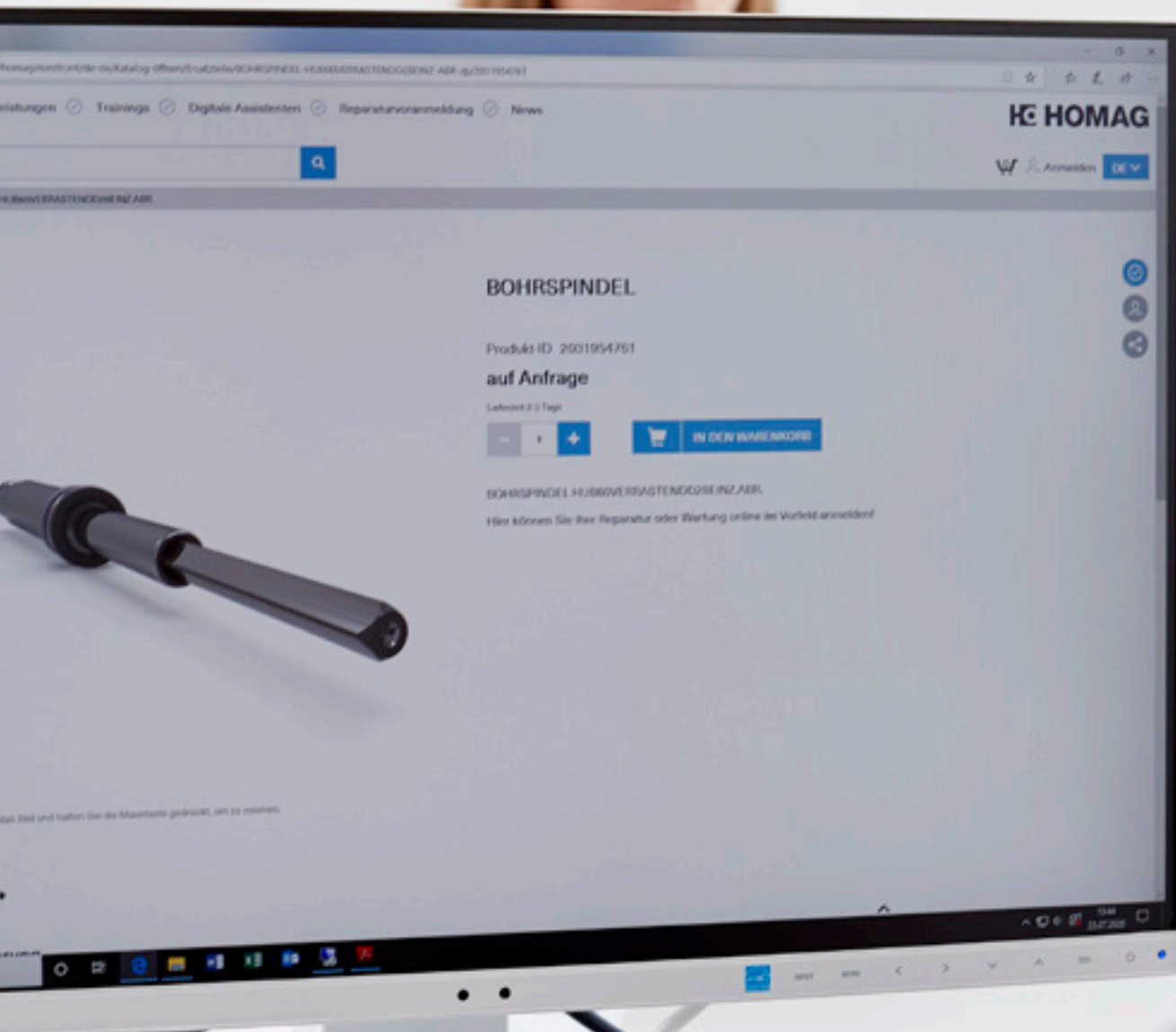
### Not found what you're looking for?

If you have not found the repair service you need in the eShop, then please contact us directly. We will review your inquiry and will be happy to help. Simply send an email to: **parts-schopfloch-repairs@homag.com**

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# eShop

**GET YOUR MACHINES FIXED IN JUST A FEW CLICKS.**

After registering at [shop.homag.com](https://shop.homag.com), HOMAG customers can find spare parts, repairs, services or consumables online with their respective prices and can order these directly. Interested parties can also view selected wood processing machines online, select options, receive an initial price estimate and send specific inquiries to HOMAG based on this.



## eShop | Simple. Fast. Convenient.

NEW: In the new HOMAG web shop, the ordering process is even faster and more convenient. The shop lets you instantly see the price and the availability of spare parts and services, around the clock. Here's how it works:

Register on [shop.homag.com](https://shop.homag.com), find the spare part you need, select it and simply place your order.



**Sign up now and enjoy  
the benefits immediately!**

## Highlights:

- Currently, more than **15,000 original spare parts** are available directly
- Order repairs conveniently online
- You will receive up to **12 months warranty** on each repaired part
- **NEW!** Modernizations; for example, Windows 10 upgrade
- **Free shipping** in Germany and Austria
- **Delivery time of 1–3 days** for spare parts in stock (over 90%)





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# Troubleshooting

**WE PROVIDE QUICK ASSISTANCE IN A CALM AND COLLECTED MANNER.**

After all, when it feels like you're fighting fires, you need someone who can keep a cool head. At the same time, we aim to provide expert help as quickly as we can. What makes us stand out is the strength of our large international support team, some of whom have more than 35 years of experience. Many of them have worked as service technicians themselves and know exactly how things function. Our new, improved service ticket routing system ensures that you receive advice from the right experts quickly. In addition to direct contact with us, we also provide a digital assistant to help you find a solution yourself: serviceAssist.

## Digital support | serviceAssist

### BENEFITS

- In many cases, machine operators can prevent potential faults themselves
- Increased plant availability thanks to fast troubleshooting of faults
- Continuous improvement thanks to a constantly expanding knowledge base
- Fast assistance through connection to ServiceBoard in the event that suggestions do not help

What should be done if unknown fault messages are displayed on the machine? How can you prevent unexpected downtimes? In some situations, even experienced machine operators may not know what to do. Next time that these moments occur, our new serviceAssist app will help you to quickly find a solution — without the need for direct help from a HOMAG service representative. Rely on a digital assistant for your service needs as well and accompany us on the next step toward providing every machine operator with digital support.

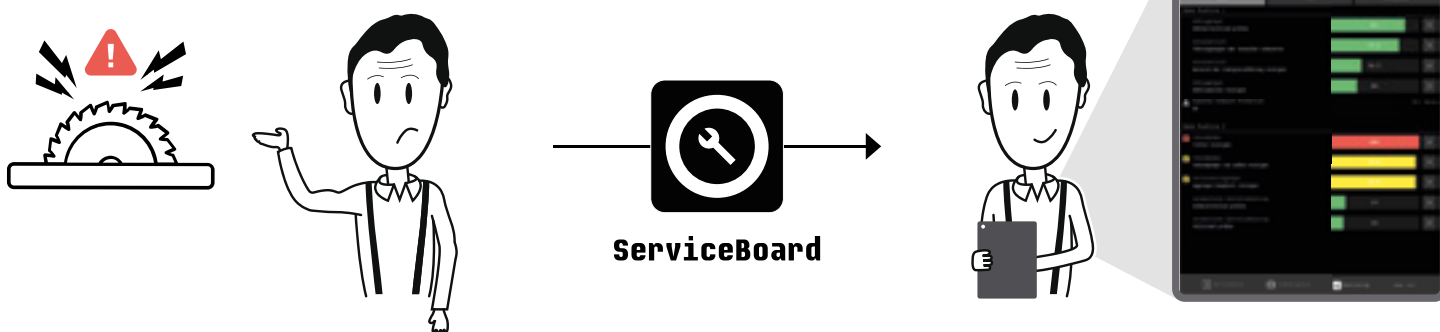


## ServiceBoard |

### Your direct line to our experts

#### SERVICE TICKETS

- Overview of all open and previously resolved service cases that you have created in ServiceBoard.
- Simply open a new ticket, select a machine, describe a service case, add photos and specify whether production has stopped. Finished!
- No annoying phone queue — your service technician will call you back.



#### VIDEO DIAGNOSTICS

- Connect with your service technician via video diagnostics
- Use your camera to show your service technician the specific machine problem
- The service technician can show you possible solutions via video link
- Use ServiceBoard on your smartphone or tablet — iOS or Android

#### SHOP FOR SPARE PARTS

If your service partner is integrated in ServiceBoard and operates a spare parts shop, you can make direct contact with us via ServiceBoard.





## Hotline |

### The right line for everyone

With our new hotline packages, there's something suitable for everyone. And it always pays off. We have many things that set us apart from others in our industry:

- **94% of faults are resolved using our hotline, without the need for a service visit**
- **Fixed prices — you always know what to expect**
- **The first 15 minutes are free**
- **Improved call routing — reach the right experts even faster**

HOTLINE PACKAGES	WITHOUT SERVICE AGREEMENT	HOTLINE MINUTE	HOTLINE FLAT CLASSIC	HOTLINE FLAT ADVANCED	HOTLINE PREMIUM	HOTLINE LOCATION CLASSIC	HOTLINE LOCATION ADVANCED
<b>Prioritization in response time</b>		✓	✓	✓	✓	✓	✓
<b>Fees</b>	Fixed price per call* (Due only in case of success)  Up to 15 minutes <b>free</b> — from minute 16, will be billed at a flat rate	€/minute rate*  Up to 15 minutes <b>free</b> From minute 16, will be charged according to the minute rate	Flat rate for each machine	Flat rate for each machine	Call will be billed individually	Flat rate for entire location	Flat rate for entire location
<b>Available Monday to Friday, from 7:00 am to 6:00 pm</b>	✓	✓	✓	✓	✓	✓	✓
<b>Available Monday to Friday, from 7:00 am to 10:00 pm</b>		✓		✓	✓		✓
<b>Available from 8:00 to 12:00 am on Saturdays</b>		✓	✓	✓	✓	✓	✓
<b>Available Monday to Friday, 24 hours a day,</b>					✓		
<b>Digital support — ServiceBoard and serviceAssist free of charge</b>		✓	✓	✓	✓	✓	✓

\*depending on country

Would you like to find out more about our attractive packages, e.g. when something pays off perfectly? Please contact us at: [service@homag.com](mailto:service@homag.com).



## Software support | Focus on the heart of the operation

Since the software used by our machines plays a fundamental role in your process, we have formed a special team of experts for this purpose. They are based all around the world and are also capable of handling questions about third-party software. As a central technology partner, we naturally want to be able to answer all your questions.

This means we're on hand to assist with projects early on. We actively advise project teams and clarify questions as soon as we can. In doing so, we have one key aim: Ensure faster commissioning and a shorter start-up phase.

- All our experts can be reached via a central system. Our software support service is networked worldwide and has knowledgeable contacts in many countries. This way, you can get in touch with the right person quickly.
- We offer support on a regional level, in many cases in the respective local language. After all, it's all about sending a clear message.
- We proactively approach our customers to plan necessary appointments in good time, especially if they have purchased a support product. This results in faster assistance.
- We know how to connect our software with other products. We ensure that our products work in the customer environment and arrange interfaces with other software suppliers. It's one less thing for you to worry about!

Support for HOMAG **software** and **digital assistants** from **a single source**, directly from the manufacturer. And all that for a machine's entire service life!

## Central service telephone number | Simple. User-friendly. Targeted.

With just one telephone number, you have a central point of contact for all service issues — across the board for all German HOMAG locations. This enables you to find a solution to your issue more quickly.



### HERE'S HOW IT WORKS:

Dial the service number:  
**+49 7443 13 6000**

Enter or say the machine number, e.g.  
**0-201-xx-xxxx/CNC Schopfloch**

Enter your request:

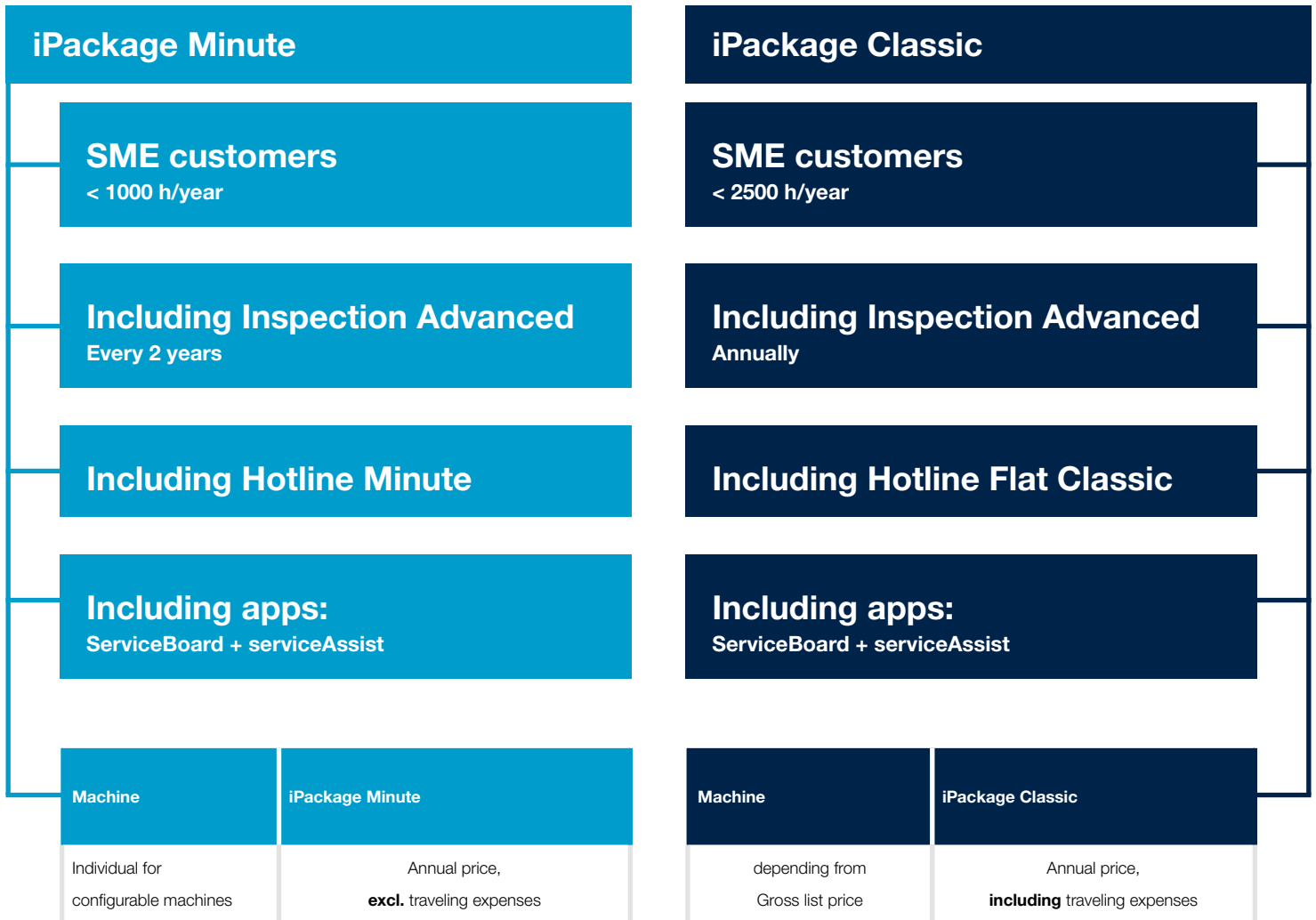
- (1) Remote service
- (2) Spare parts
- (3) Field service
- (4) Other

**You are forwarded to the relevant experts**

# iPackage |

## Our service contracts — simple and clever

Our attractive iPackage combinations are now available for all series. Saving has never been so easy! A combined service package at an enticing fixed price. The offer is particularly appealing for small and medium-sized companies that work in a single-shift operation.



**! Up to 10% saving compared to purchasing the products individually**





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**OUR MISSION:**

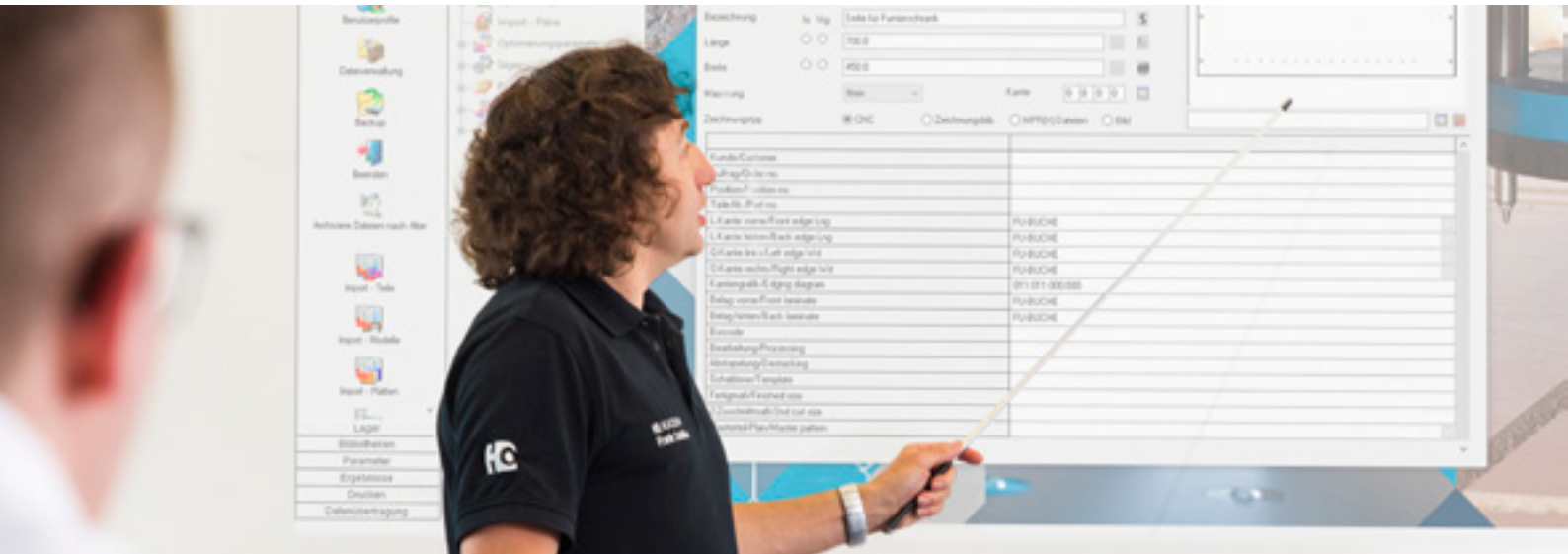


# Training and further education

**KNOWLEDGE IS POWER.**

That's why HOMAG offers a broad scope of training in state-of-the-art industry expertise. Get inspired and keep your team up to speed.





## TRAINING by HOMAG Academy | EXCLUSIVELY FROM US

Three ways to gain more knowledge:

1. In-person training sessions
2. Live online training
3. eLearning



Digital learning platform available 24/7 with  
over 100 high-quality training courses.

[academy.homag.com](https://academy.homag.com)



We have highly equipped training centers in  
19 countries with expertly trained teams.









# ACADEMY |

## Highlights

**THE MODERN LEARNING PLATFORM:** With over 100 training courses available for you. Check out our training catalog, register and start learning directly. Whenever and wherever you need it:

**academy.homag.com**

**KEEP YOUR TEAM UP TO DATE:** Increase the output and efficiency of your machines with well-trained employees. In addition to training for your new product, we also offer further training and qualifications.

**BENEFIT FROM OUR EXPERTS:** We offer tailor-made training courses based on the experience of more than 5000 participants per year. Our training courses are carried out by subject experts based all over the world. These specialists are knowledgeable, highly qualified and have many years of experience with our products.

### HIGHLY FLEXIBLE OPTIONS:

**In-person training:** At one of our HOMAG Academy locations in 19 countries or on-site if desired

**Live online training:** Meet your trainer in a virtual training room while learning and "networking" with other participants

**eLearning:** Embark on self-study at your convenience, no matter where you are: your sofa, your kitchen, or while you're out and about when traveling.

**JUST RIGHT:** We would be happy to work with you to develop a training and further education program that's suitable for your job profiles and derived skills, covering the needs of all your employees from the machine operator to the maintenance staff.

**MAKE YOURSELF EVEN MORE ATTRACTIVE AS AN EMPLOYER:** By offering training courses for further development, your team will be more likely to value you as an employer. Take advantage of our offer to boost your image!





## Digital training |

### Learn without having to travel

#### INDEPENDENT AND FLEXIBLE LEARNING:

Both our live online training and our eLearning platform saves you time and travel expenses. This helps the environment. In our training sessions, we draw on our expertise to convey useful and relevant content relating to our technologies. More and more customers are taking advantage of our digital training. Any questions? Simply send them to: [training@homag.com](mailto:training@homag.com)

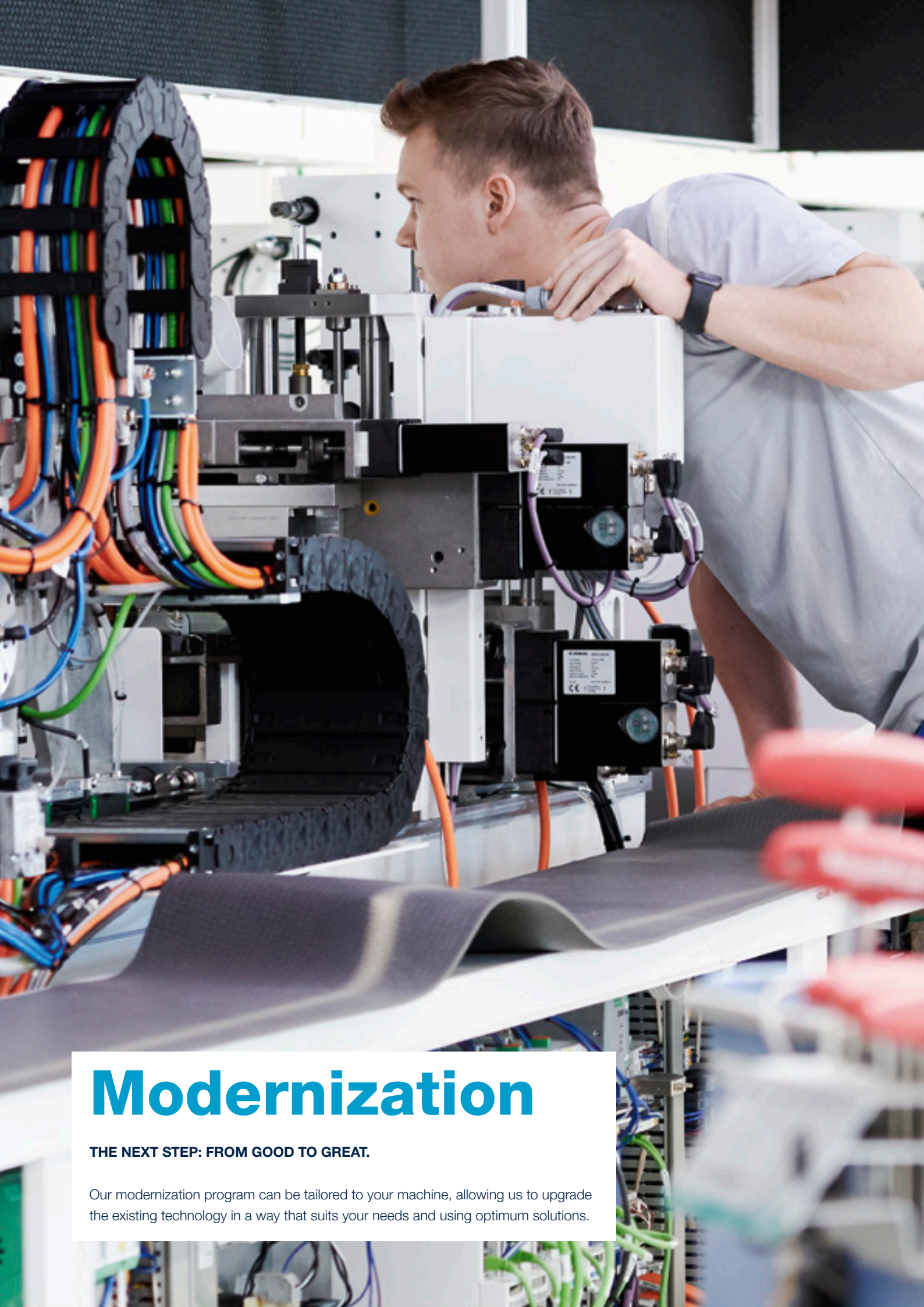
What makes our live online offer worth it:

- Group-based learning in groups of up to max. 10 people
- Time is divided more flexibly by splitting topics into blocks
- Learning according to your requirements: Start off based on your level of knowledge
- Recording of live online training courses if required: Serves your resources and contributes to sustainable learning success



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# Modernization

**THE NEXT STEP: FROM GOOD TO GREAT.**

Our modernization program can be tailored to your machine, allowing us to upgrade the existing technology in a way that suits your needs and using optimum solutions.



## Modernization | Pimp my HOMAG.

How does modernization from HOMAG benefit you? For one thing, modernization increases the efficiency and productivity of your machine. For another, it increases machine availability and reduces maintenance costs. In addition, production and process times can be reduced. And, what's more: Modernization significantly increases the quality of your products.





## MODERNIZE YOUR MACHINE – CREATE ADDED VALUE!

The process of modernizing your technology is a profit-generating investment in the future of your business.

### HOW YOU BENEFIT:

- High productivity through the use of future-oriented technical solutions
- Shorter work cycles and the ability to guarantee an efficient material flow by networking old and new machine technologies
- Flexibility when making changes to your product range thanks to the use of the latest units and processing technologies
- Process and cost savings generated by improved technologies and energy efficiency
- Employee-based ergonomics with modern handling
- Security for your machine investment since the replacement parts will be available in the future

Our specialists can provide you with support for any questions you may have regarding modernization and conversion projects. You will receive a comprehensive consultation. We work with you to draw up a concept and create an appropriate modernization recommendation suited to your requirements. Our modernization projects will keep you competitive in the future. Contact us for more information.



## UPDATES AND UPGRADES

All information about updates and upgrades to software such as our woodWOP application software and Cut Rite optimization software can be found in the software section at [homag.com](http://homag.com).

## OVERVIEW OF MODERNIZATIONS

### Panel dividing technology:

- intelliGuide
- module45
- CADmatic

### CNC technology:

- Spindle cooling
- woodWOP

### Edge technology:

- Separating agent spraying unit
- Sliding carriage
- Joint trimming unit

### Surface technology:

- Fixing of small components
- Measurement of workpiece thickness
- Support and deposit aid

### Automation technology:

- Additional tool
- Pintle for narrow parts
- woodStore

### Plant technology:

- Workpiece returns
- Robot Systems
- Feeding solutions

### For all technologies:

- MS Windows update
- tapio
- intelliServiceNet
- Hands-free barcode system



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# Sustainable development

**FROM GOOD TO GREAT.**

We actively analyze our customers' processes with tools and expertise that are unrivaled by any other manufacturer, in order to suggest the right adjustments and generate added value. Pricing that is more customer-oriented ensures that our solutions can be deployed flexibly. Costly damage or downtimes are prevented by proactive inspections. (keywords: predictive maintenance).

## Process optimization | OEE (overall equipment effectiveness)

We identify potential for optimization in plant availability, performance and quality, develop solutions for this purpose and implement these in a sustainable manner together with the customer. We are able to increase the OEE of older machines and plants by 10% — an annual analysis by us (OEE potential analysis) ensures that no time at all is lost.





# Simply increase the value of your machines and plants

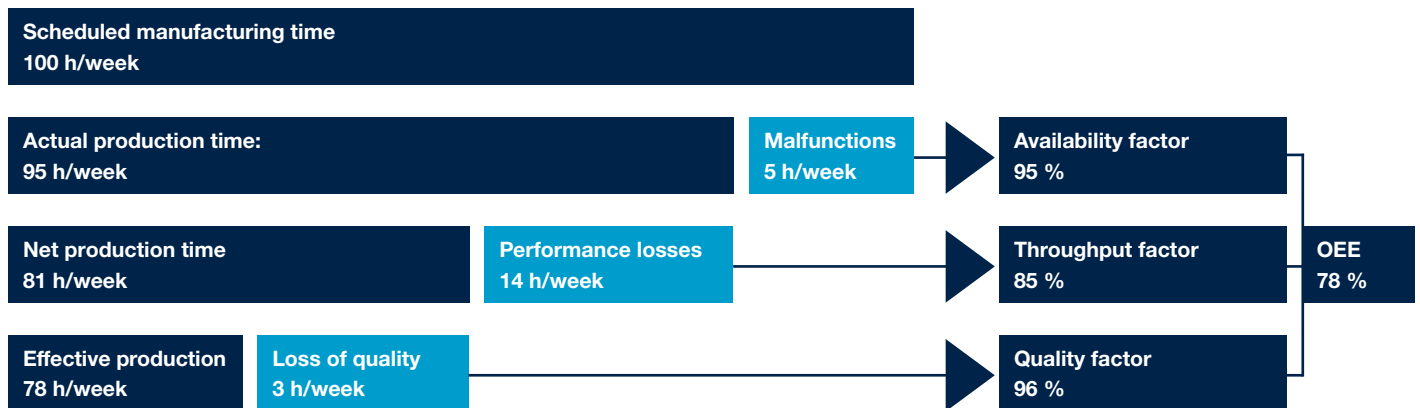
With the help of our "OEE-improvement" service, you can increase the value of your plant — and also increase its output at the same time.

**HOW?** We analyze your overall equipment effectiveness (OEE) and work with you to identify the greatest potential for improvement, develop sustainable solution concepts and support you in the subsequent implementation.

**WHO?** Our OEE experts take care of this. All of them are thoroughly trained in Lean Six Sigma and bring years of experience from a wide variety of projects into the consultation.

**WHAT?** We're fully aware of the benefits from our long-standing and worldwide experience with projects with a wide variety of requirements: Over time, a multitude of improvement potentials are hidden in all processes, and we can help you uncover these to increase the OEE by up to 10%.

## OEE EXAMPLE:



# Overall equipment effectiveness improvement |

## How we increase your OEE

# D



### DEFINE

Record initial situation  
Define project goals

# M



### MEASURE

Data capture  
Calculate process performance

# A



### ANALYZE

Data and process analysis  
Identify root causes

# I



### IMPROVE

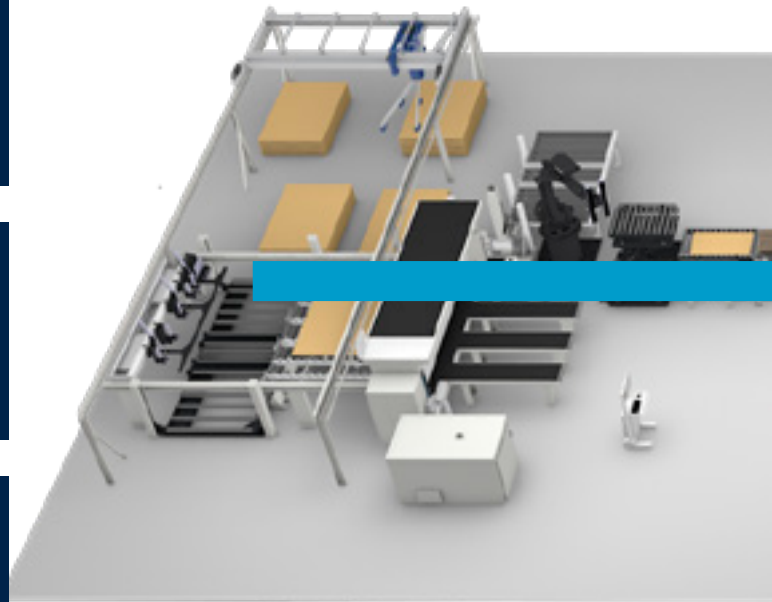
Find solutions  
Evaluate solutions

# C

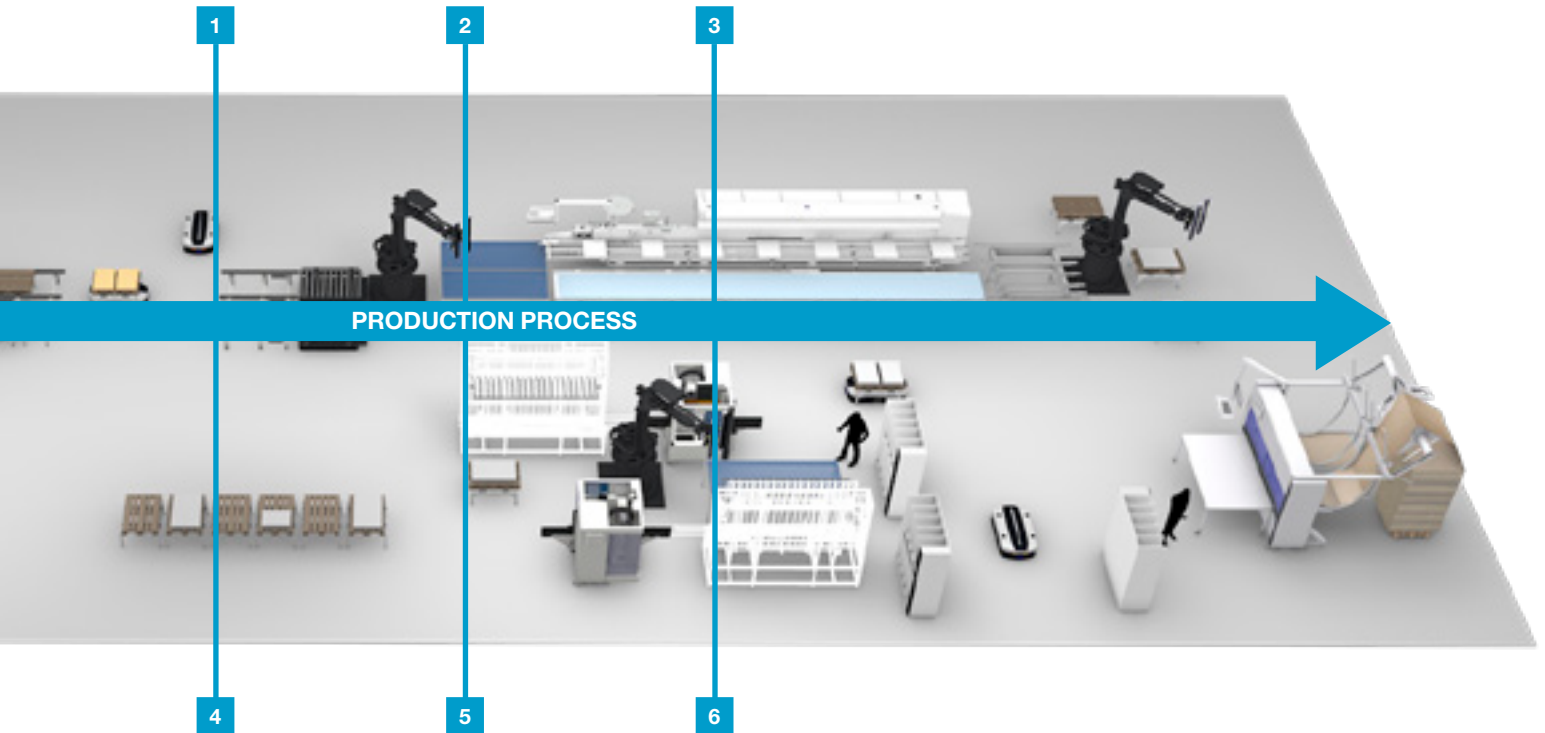


### CONTROL

Implement solutions  
Ensure sustainability



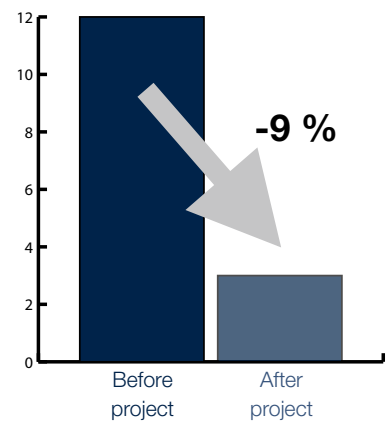
- 1 Expertise
- 2 Machine technology
- 3 Environmental influences
- 4 Manufacturing process
- 5 Materials
- 6 Maintenance processes



**Example:**

**9 % efficiency gain** through reduction of waiting and downtimes

- Share of waiting and downtimes BEFORE project in %.
- Share of waiting and downtimes AFTER project in %.



**"Our expectations for our project of increasing OEE were fully met. Thanks to the project and the application of the Lean Six Sigma method based on facts and figures, we were able to identify significant causes of errors, initiate remedial measures and ultimately demonstrably improve the performance of our inventory."**

Production manager from Germany, batch size 1 plant, turnover €200 million



# VALYOU

## OUR MISSION:





# YOUR PERFORMANCE



**HOMAG Group AG**

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**YOUR SOLUTION**