

OVERHAUL  
AUTOMATION RETROFIT

## Profitability meets sustainability

**24/7**  
PRODUCTION

**AS-NEW-  
MACHINE**



**AUTOMATION RETROFIT**

**OVERHAUL**

OVERHAUL

# Overhaul your machine and increase performance and preserve value.

After many years of operation, the productivity and precision of a machine tool can decrease due to wear. During an overhaul, our Used Machines experts dismantle your machine down to the last screw and check, replace and clean every component. A complete restoration of your machine – back to its original condition!

## 8 steps to get the best result.

Every machine is overhauled by DMG MORI using established and proven quality processes. With their unique skills, our experts ensure your safety and satisfaction. Because only the manufacturer has the original documentation and checklists, which are essential for a professional overhaul. This also enables us to present you with your reconditioned machine together with the original machine records.

### 1. Detailed report of current machine status

- + Inspection of all functions on site
- + Measurement of machine geometry
- + Provision of quotation for services and parts

### 2. Dismantling and removing\*

- + Machine disassembly including securing for transport by our technicians
- + At request it is also possible to overhaul your machine on-site

### 3. Disassembling and cleaning

- + Complete dismantling of the machine in its individual parts at our factory or on site
- + Cleaning of individual parts

### 4. Component overhaul

- + Overhaul of the components by the manufacturer

### 5. Reassembly and commissioning

- + Repainting of machine parts in the original colour
- + Setting the mechanical machine geometry
- + Connection of all components





Find out more about the overhaul range of DMG MORI Used Machines and how you can modernize your machinery for years to come thanks to a DMG MORI overhaul.

[youtu.be/FZBPZdKI7Nc](https://youtu.be/FZBPZdKI7Nc)

## OVERHAUL INSTEAD OF BUYING NEW

### HIGHLIGHTS OVERHAUL

- + **Restore** your productivity and production reliability
- + Preserve value and **increase performance**
- + Restore your machine's **precision**
- + Overhaul is carried out **experienced experts** with unique **manufacturer expertis**
- + Use of **original spare parts** with maximum availability
- + **Highest quality** as a result of extensive output testing
- + **Guarantee** on the entire scope of performance
- + Overhauls are **100% tax-deductible** (only in Germany)

03

### 8. Final inspection, packing and shipping

- + Competent packing
- + Organisation of transport to you\*
- + Commissioning by DMG MORI staff\*

### 6. Test run

- + Final test runs of all functions
- + Further tests and measurements at request such as laser measurement

### 7. Inspection

- + Inspection according to new machine protocol
- + Customer pre-inspection at request
- + Parts inspection and application technology\*

\*optional services by arrangement

OVERHAUL

# Old becomes new – Bring your machine up to the latest state of the art.

Key machine parts, sub-assemblies and components wear out or get dirty and are often the cause for decreasing precision and productivity. By cleaning, overhauling and replacing parts, performance is restored to 100%.

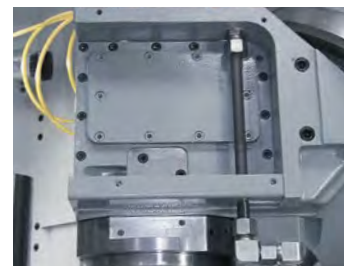
## COMPONENT OVERHAUL

- + Component overhaul of **manufacturer quality**
- + Increase in **precision and productivity**
- + **General overhaul** of components by the manufacturer
- + Retrofitting with unique **expertise**
- + Provision of replacement parts at request **for minimal downtime**
- + **Unique availability of parts** even for specialist machines and older machine models



### Example milling head of a DMU 125 P

On request, we can also overhaul individual components, such as milling heads, NC swivel rotary tables, gear heads of milling machines or components such as headstocks and slides of lathes quickly and reliably – here using the example of a milling head of a DMU 125 P.





### Overhaul DMC 200 U

How can you imagine a DMG MORI overhaul?  
Let our example of the DMC 200 U convince you  
of our know-how.

[youtu.be/Ubwyj5mv8pw](https://youtu.be/Ubwyj5mv8pw)



### Overhaul GMX 400L

We also overhaul lathes in the usual manufacturer  
quality. The example of the GMX 400 L shows this  
amazingly well.

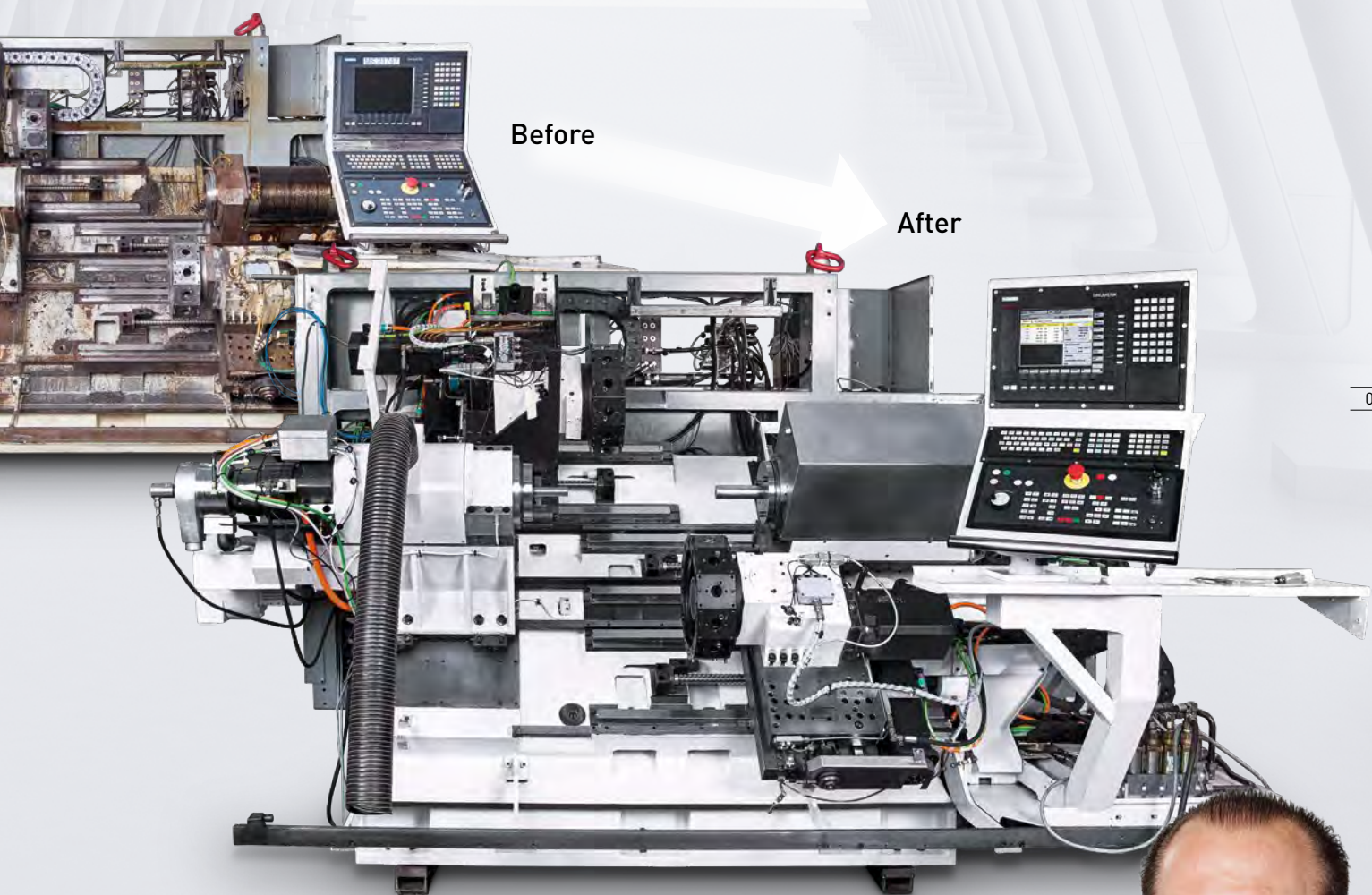
[youtu.be/8M535VdwCRE](https://youtu.be/8M535VdwCRE)

## Overhaul of a MF TWIN 65

- + 5 weeks
- + 2 technicians
- + 15 replaced components

**WE HIGHLY RECOMMEND THIS FOR:**

- + Large, complex machine tools
- + Machine tools with specialist and additional equipment



## Your contact

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AUTOMATION

# Automation Retrofit

Get the most out of your existing machines 24/7 with retrofitted automation!

With the right automation, almost all process steps in your company can be optimized. With DMG MORI, you can easily retrofit your existing machines with the right automation solution!

## HIGHLIGHTS AUTOMATION

- + Compensating for a shortage of skilled workers
- + One operator for several machines at the same time
- + Unmanned shifts, maximum autonomy
- + Short amortization times, maximum added value
- + Reduced set-up times

Robo2Go  
Milling



WH Cell

Example: DMU 100 P duoBLOCK with PH Cell 2000



1-shift operation  
= 1,560 spindle hours per year\*

\*DMU 100 P duoBLOCK with PH Cell 2000 stacking magazine, 20 pallets - simplified calculation with 75% spindle hours:  
1-shift: 52 weeks × 5 days × 8 h × 0,75 = 1,560 h/a;  
3-shift: 52 weeks × 5 days × 24 h × 0,75 = 4,680 h/a;  
24/7: 52 Wochen × 7 Tage × 24 h × 0,75 = 6,552 h/a



LPP

Robo2Go Max

MATRIS Light

PH 150

**<6 MONTHS**  
AMORTIZATION  
(AUTOMATION)



**24/7 operation**  
= 6,552 spindle hours per year\*

- + 2 additional unmanned shifts per day (< 19 months for machine and automation)
- + 6 additional unmanned shifts at the weekend (< 12 months for machine and automation)



## AUTOMATION RETROFIT

**Which machine can be be retrofitted with which automation solution?**

We will find the right automation for your individual needs!  
[automation-retrofit@dmgmori.com](mailto:automation-retrofit@dmgmori.com)

### Turning machines

MATRIS (Light)

Robo2Go (MAX)

WH 6/8/15/25 Cell

WH Flex

### Milling machines

PH-Cell series

PH 150

CPP/LPP

MATRIS (Light)

Robo2Go Milling

WH 6/8/15/25 Cell

**Our expert will be happy to advise you!**

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# YOUR ONLINE SERVICE MANAGER

## myDMG MORI

The customer portal for service optimization

### MORE SERVICE

Fast support and live status of your service requests

### MORE KNOWLEDGE

All relevant documents can be called up digitally

### MORE AVAILABILITY

The direct line to a service expert with guaranteed prioritized processing, registration in <3 minutes

**Every customer benefits – at no extra charge!**



YOUR HISTORY

YOUR MACHINES

# myDMG MORI

CUSTOMER PORTAL

YOUR DOCUMENTS

YOUR SERVICE REQUESTS

All countries in which myDMG MORI is available can be found at: [myDMGMORI.com](http://myDMGMORI.com)



You too can benefit!  
Register now for free:  
[myDMGMORI.com](http://myDMGMORI.com)

## CUSTOMER FIRST – OUR SERVICE PROMISE!

Top quality at fair prices. It's a promise!



### Best price guarantee for original spare parts.

Should you get a spare part offered by us at least 20% cheaper elsewhere, we will refund the price difference up to 100%\*.

\*All information and price advantages for Customer First are available at: [customer-first.dmgmori.com](http://customer-first.dmgmori.com)



### Spindle service at best prices.

The highest level of competence from the manufacturer at new and attractive prices – DMG MORI spindle service!

**Export Control:** Machines and products from DMG MORI may be subject to export restrictions. Therefore, prior export control authorization from competent authorities may be required. To prevent the illegal diversion of the equipment to individuals or nations that threaten international security, every DMG MORI machine is equipped with an RMS function (Relocation Machine Security). The RMS automatically deactivates the machine when the machine is moved or disassembled. Such deactivation does not take place during regular operation or maintenance. If the equipment is so-disabled, it can only be re-activated by DMG MORI or some authorized representatives. Reactivation can be ordered via DMG MORI Service. If the machine is deactivated due to a substantial repair activity, this service is free of charge. DMG MORI may refuse to re-activate the machine if it determines that doing so would be an unauthorized export of technology or otherwise violate applicable export restrictions. DMG MORI shall have no obligation to re-activate such a machine and shall have no liability as a result thereof.