DMG MORI

DMG MORI CUSTOMER CARE

Profitability meets sustainability

OVERHAUL
AUTOMATION RETROFIT



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

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

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*

8. Final inspection, packing and shipping

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

HIGHLIGHTS OVERHAUL

+ **Restore** your productivity and production reliability
+ Preserve value and **increase performance**
+ Restore your machine's **precision**
+ Overhaul is carried out by **experienced experts** with unique **manufacturer expertise**
+ 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)

*optional services by arrangement

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

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

OVERHAUL

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

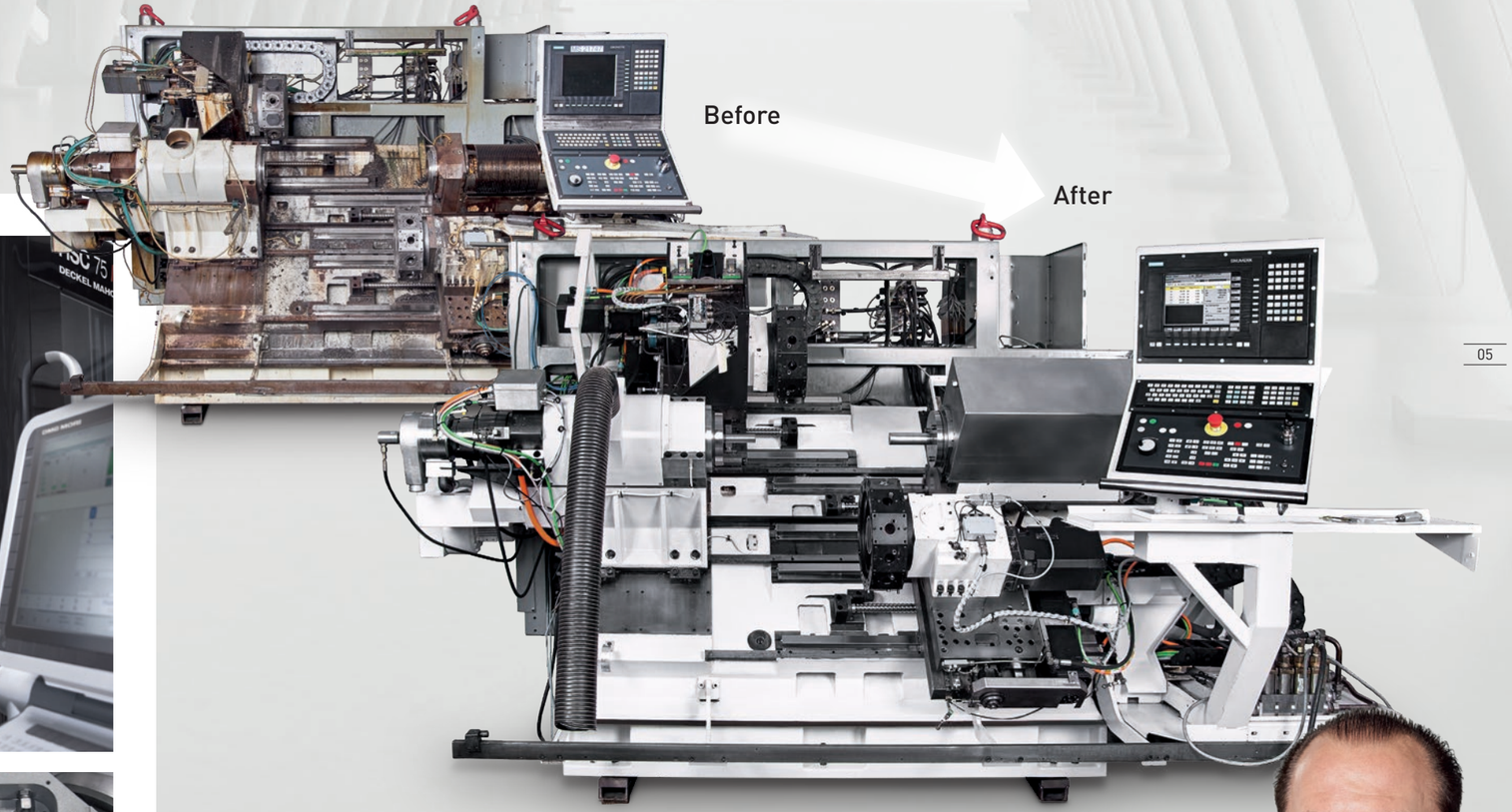
Key machine parts, sub-assemblies and components wear out or get dirty and are often the cause for decreasing precision and productivity. By cleaning, overhauling and replacing parts, performance is restored to 100 %.

Overhaul of a MF TWIN 65

+ 5 weeks
+ 2 technicians
+ 15 replaced components

WE HIGHLY RECOMMEND THIS FOR:

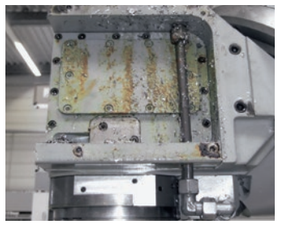
+ **Large, complex machine tools**
+ **Machine tools with specialist and additional equipment**

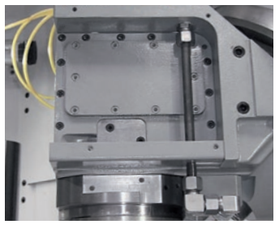


COMPONENT OVERHAUL

+ Component overhaul to original **manufacturer quality**
+ Increase **in precision and productivity**
+ 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.

Your contact

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AUTOMATION

Automation Retrofit

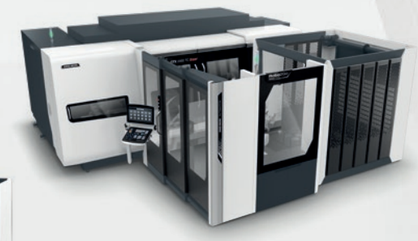
Your existing machines can do more!

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!

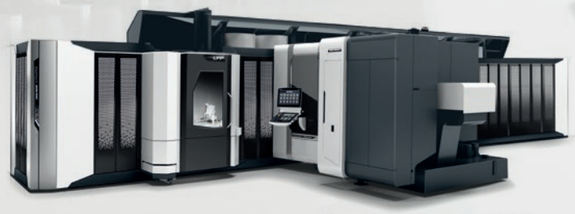
HIGHLIGHTS AUTOMATION

+ **Plug-and-play solutions** or individual automation solutions from a single source
+ **Manufacturer know-how** for safe and seamless integration
+ **Unmanned shifts,** maximum autonomy
+ **Short amortization times,** maximum added value
+ **Reduced set-up times**

Robo2Go Max



LPP



Robo2Go Milling





WH Cell

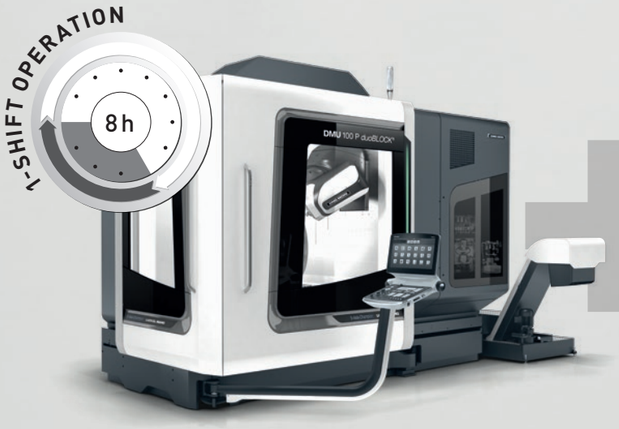


PH 150

Robo2Go Open



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

< 6 MONTHS
AMORTIZATION
(AUTOMATION)



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

+ 2 additional unmanned shifts on weekdays (< 19 months for machine and automation)
+ 6 additional unmanned shifts over the weekend (< 12 months for machine and automation)

AUTOMATION RETROFIT

Which machine can be retrofitted with which automation solution?

We will find the right automation for your individual needs!
automation-retrofits@dmgmori.com

Turning machines
RoboGo Open
Robo2Go (MAX)
WH Cell
WPH

Milling machines
PH Cell series
PH 150
CPP/LPP
Robo2Go Open
Robo2Go Milling
WH Cell
WPH

Our expert will be happy to help you find the right solution!

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MORE KNOWLEDGE

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



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

*All information and price advantages for Customer First are available at: **customer-first.dmgmori.com**

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.

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The machines depicted here may include some options, equipment and CNC alternatives.

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