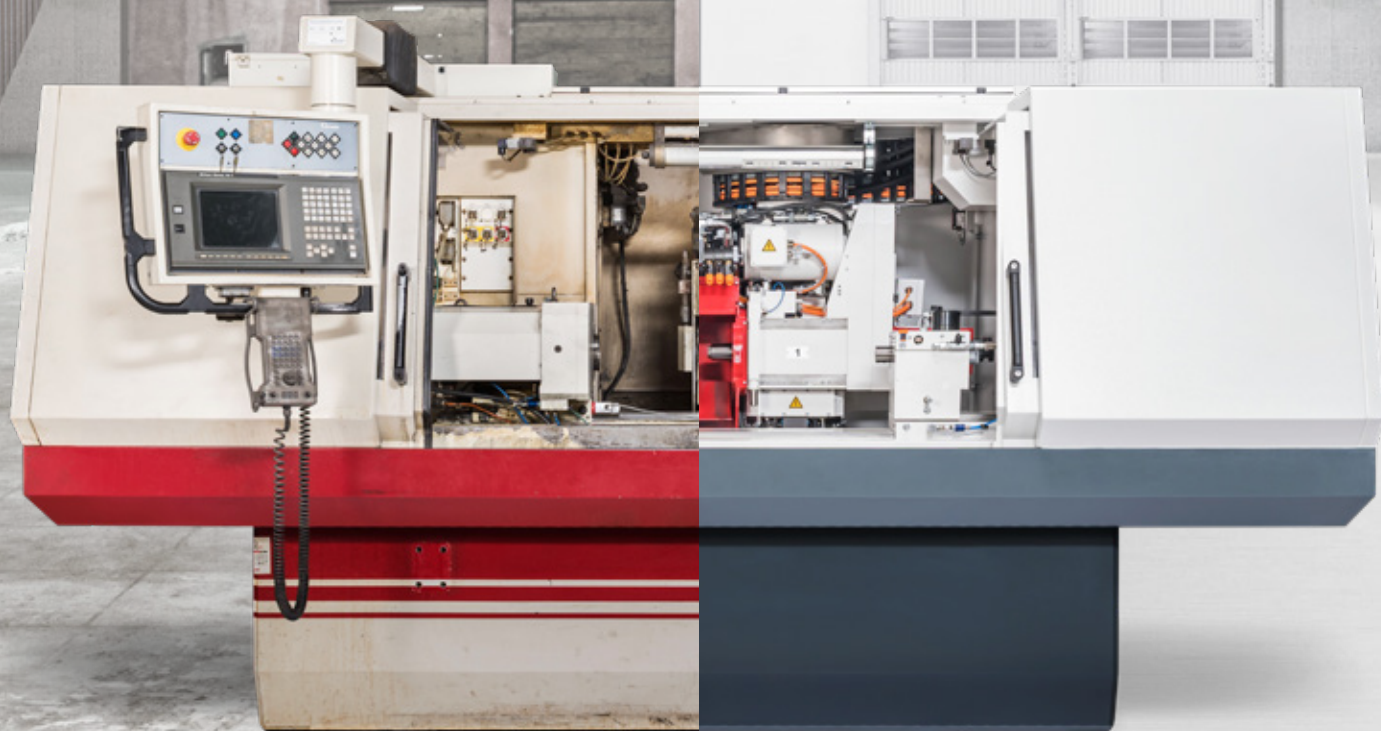


# STUDER MACHINE OVERHAUL

SECOND LIFE – FROM THE ORIGINAL MANUFACTURER



COST EFFICIENT &  
WITHOUT COMPROMISING  
ON PRECISION







The StuderGuide® guide system for the longitudinal and cross slides is molded directly into the machine base and coated with a wear-resistant Granitan® S200 surfacing material.

## NO-RISK COMPLETE MACHINE OVERHAUL

After intensive use of a STUDER cylindrical grinding machine, we offer the possibility of restoring the machine to its original quality at the Fritz Studer AG facility. With expert staff and a modern infrastructure, the cylindrical grinding machines are overhauled in a number of steps. And you benefit from the following advantages:



### STUDER knows your machine

- We know the machine file and therefore know exactly how it's built.
- We are aware of the machine's history, e.g., maintenance, retrofits, damage.
- We have the technical documentation, including drawings, BOMs, or moulds.
- STUDER assumes overall responsibility for the system.



### No compromise on precision

- All precision-related components are replaced.
- Geometric tolerances are the same of those on a new machine.
- New-machine precision is restored and is retained for longer.
- One-year OEM warranty following the overhaul.



### Efficient and cost effective

- In-depth consultation with a STUDER specialist.
- Preparation of a specific quotation based on usage profile and machine file.
- A detailed cost/risk assessment based on STUDER experience.
- If required, additional reconfiguration, automation, or digital upgrade (Industry 4.0) available.



### Exclusively from STUDER

- The original guideway coating is removed.
- In a process only available from STUDER, the guideways are recast with a unique dimpled pattern.\* The integrity of the Granitan is maintained.
- The tables and slides are reground and refitted.

\*Precision cannot be guaranteed if the coating is not renewed.





## WE TAKE CARE OF YOUR MACHINE – YOU TAKE CARE OF YOUR BUSINESS

Interested in a machine overhaul? What you can expect:



### Initial consultation with our customer care consultant

- A rough assessment of the machine for overhaul based on history and maintenance records.
- Inspection of your cylindrical grinding machine by a STUDER customer care consultant.



### Detailed condition analysis by a STUDER engineer at your site (if desired)

- Geometry measurement based on a checklist.
- Detailed, written condition analysis combined with the life cycle information of the specific machines.



### Quotation

Depending on the condition of the machine and the projected usage profile, STUDER will prepare a machine-specific quotation, incl.:

- Quotation for a specific inventory at the customer's factory or at STUDER.
- Pick-up of the machine, incl. organisation of customs and transportation formalities.
- Complete machine overhaul.
- Provision of a rental machine.
- Re-configuration or automation, if desired by customer.

### Collection of the machine by STUDER

- Professional removal of the machine with a lifting device.
- Organisation of customs and transportation formalities.

### The complete machine overhaul

- Complete disassembly of the machine according to the original manufacturer's specifications.
- Replacement and repair of machine components in accordance with STUDER quotation.
- Installation and testing based on checklist.

### Documentation and commissioning

- Updating of the machine history and the configuration.
- Preparation of an acceptance protocol and warranty.
- Organisation of customs and transportation formalities.
- Installation with lifting device and commissioning at the customer's factory.
- Optional conclusion of a maintenance agreement.

«START THE SECOND LIFE OF  
YOUR CYLINDRICAL GRINDING  
MACHINE.»

# YOU DETERMINE THE SCOPE OF YOUR MACHINE OVERHAUL

Choose from our two packages «STUDER Economy» and «STUDER Exclusive» and decide the extent to which you want to overhaul your cylindrical grinding machine.

IF YOU ALSO CONCLUDE A MAINTENANCE AGREEMENT, THE FIRST MAINTENANCE IS FREE OF CHARGE.

## Overview of our packages

Performance	STUDER Economy	STUDER Exclusive
Overhaul of all geometry and precision-related mechanical components (Hirth serration, B axis, etc.)	✓	✓
Removal of the original coating and recasting of the guideways	✓	✓
Overhaul of the modules	✓	✓
New tailstock barrel	✓	✓
New hydraulic unit	✓	✓
New cabling in wet area	✓	✓
New cable carrier	✓	✓
Cleaning and sandblasting of the machine	✓	✓
New paintwork	✓	✓
New frequency converter		✓
New glass scales		✓
New wheel motors		✓
Dual Check Safety (two-channel rpm monitoring)		✓
Extended CE conformity for replaced components		✓
1-year warranty on work and materials		✓
Guaranteed new-machine quality based on original documents		✓

### Benefits of a complete machine overhaul

- STUDER assumes responsibility for the overall system
- Minimum downtime thanks to STUDER rental machines
- No staff retraining required
- Existing tooling can continue to be used
- Exclusively STUDER original components
- Recommissioning with acceptance report
- STUDER can take care of logistics and commissioning on request



On average, a complete machine overhaul takes 12 weeks.

# OUR CUSTOMER CARE CONSULTANTS

Our customer care consultants are former STUDER service engineers. Their job is to provide you with expert advice for every challenge related to your STUDER cylindrical grinding machine. Don't hesitate to call your personal consultant.



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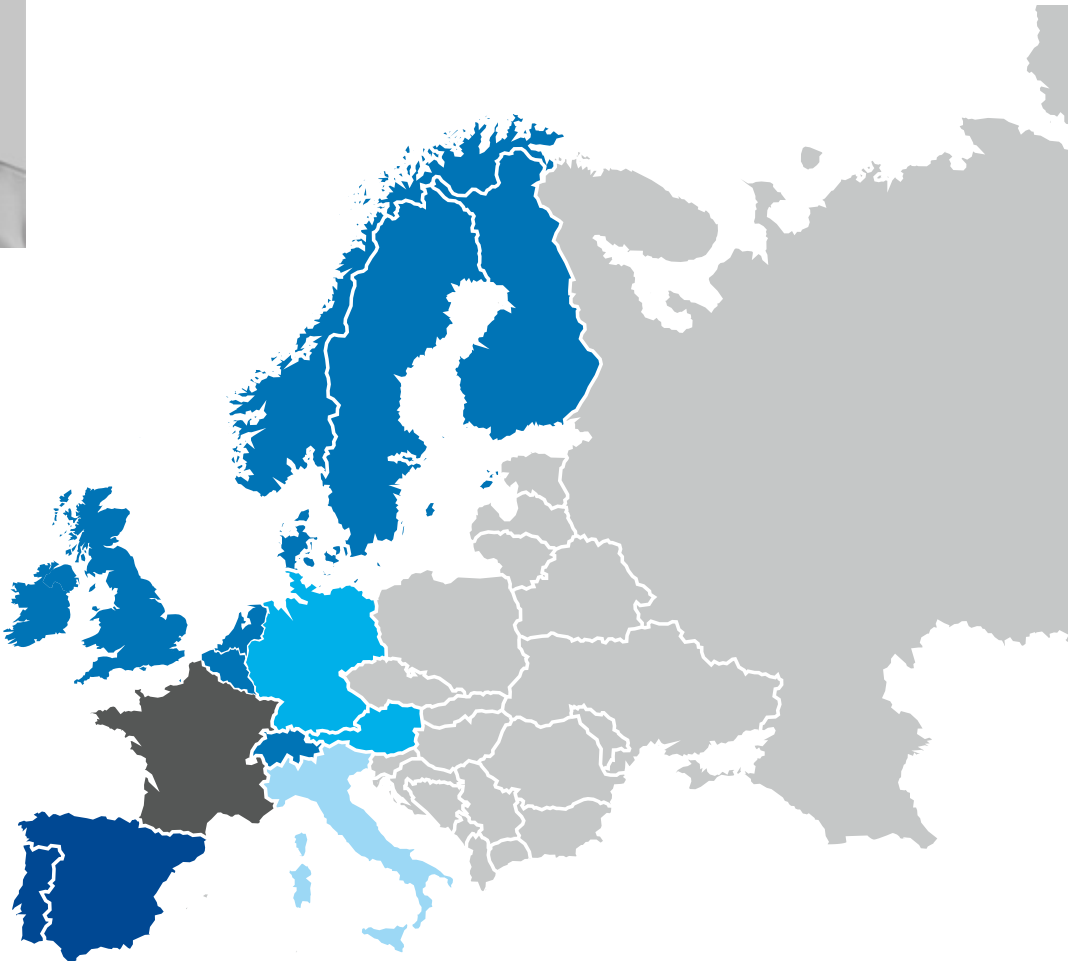
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