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Ref. No.:

1411-03211135

Overview and Technical Data:

MITUTOYO Crysta-Apex S7106 High-performance CMM

MITUTOYO

Mitutoyo

Year of Build:

Jan 2013

Description:

Used MITUTOYO Crysta-Apex S7106 CNC coordinate measuring machine

CNC Control U400

Technical data:

- Measuring range:
 - X-Axis: 700 mm (27.6")
 - Y-Axis: 1.000 mm (39.36")
 - Z-Axis: 600 mm (23.62")
- Resolution: 0.0001 mm (0.000004")
- Guide method: Air bearings on each axis
- Drive Speed:
 - Max. moving speed: 519 mm/s (20.4"/s) (3D)
 - Max. measuring speed: 8 mm/s
- Max. drive acceleration: 2,309 mm/s² (3D)
- Working Table Granit:
 - Size: 880 x 1720 mm
 - Gewindeinsätze: M8 x 1,25mm
- Workpiece
 - Max. Height: 800mm (31.49")
 - Max. Load: 1.000kg

Other Options:

- Inlk Temperature Correction unit

- J/S BOX M Type A
- SP25M Probe
- Renishaw PH6M
- inkl Safety rack MRS 400.

Software Information:

- MCOSMOS-2

CRYSTA-Apex S Series

The Crysta-Apex S is a high accuracy, high Speed Moving Bridge Type Co-ordinate Measuring Machine utilising a Granite Base, which also provides the Y-Axis, guide way. A self-adjusting air bearing is used on each axis to provide stability during high-speed movement and measurement. The moving Bridge is constructed of low mass alloy, the “X” Beam and “Z” Spindle external surfaces being impregnated by an oxide coating process to form an extremely hard surface, which improves stability and also provides good wear resistance. Power drive is activated via a remote joystick unit for manual drive operation.

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The latest generation of CRYSTA-Apex coordinate measuring machines, the new CRYSTA-Apex S Series, is packed with the advanced technology needed to perform very accurate measurements at high speed. The new CRYSTA-Apex S-Series uses Mitutoyo's world-renowned scales and features high environmental resistance without the need for homing at startup. SMS capability enables status and service monitoring and is suitable for use in a smart factory environment.

As a future-proof investment, the CRYSTA-Apex S is capable of handling any future task thanks to its ability to easily change or add probe systems and software.

Key advantages:

- Proven lightweight bridge design with highly rigid air bearings on each axis.
- High accuracy, high speed and high acceleration
- Temperature sensors to compensate machine and workpiece from 16° to 26°C and monitor ambient temperature.
- MITUTOYO linear scales offer high environmental resistance and save time during commissioning as no reference run is required
- Controller supports multi-sensor and SMS functionality (Smart Measuring system)

Technical Data:

Technical Data:

Control:

[CNC](#)

Dimensions and Weight:

Height:
2.730 mm
Length:
1.950 mm
Width:
1.470 mm
Weight:
1.951 kg

Buyer Information:

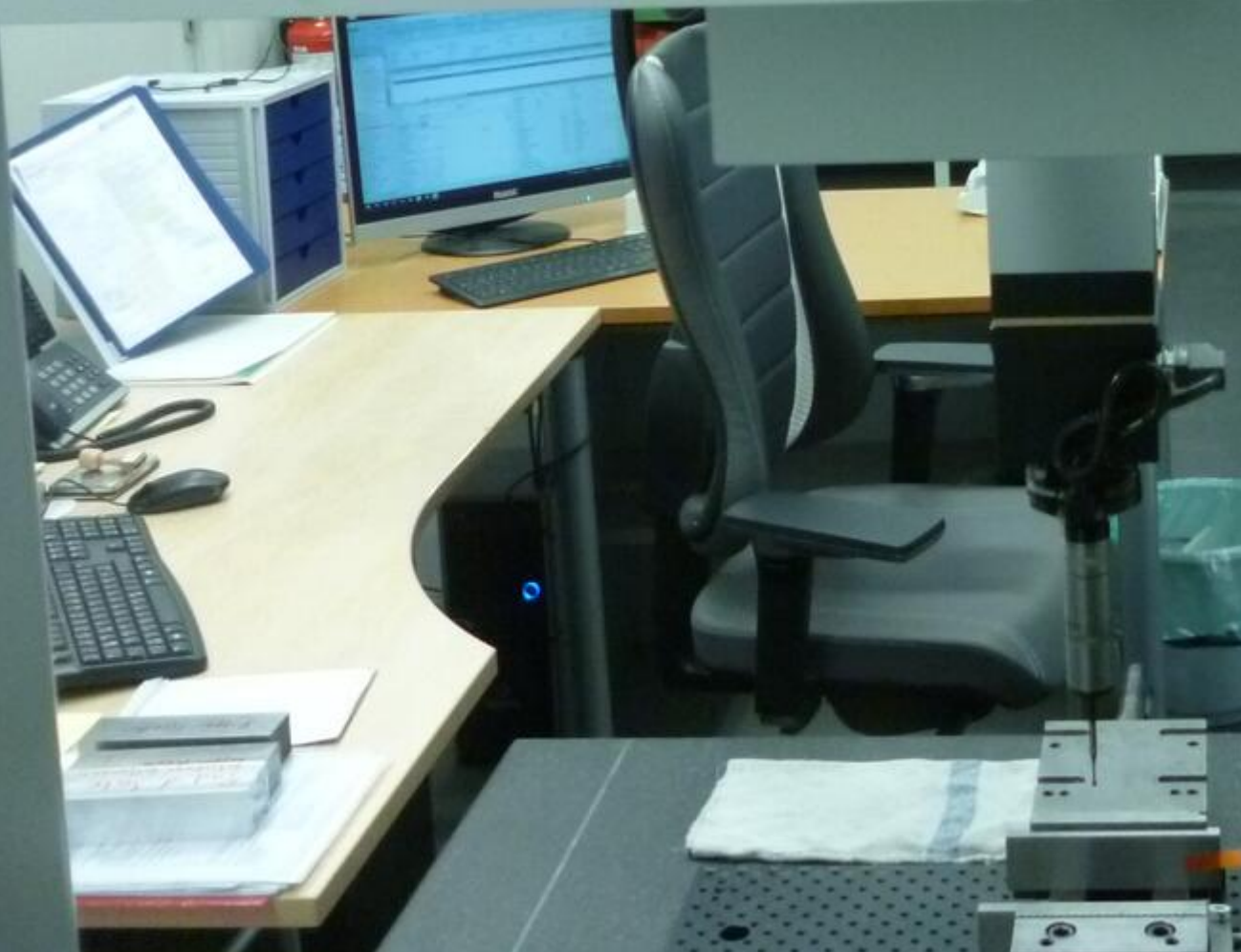
Condition:
[Very good condition](#)
Available:
[Sold](#)
Sold as:
[EXW \(Ex Works - Incoterm\)](#)
VAT:
[19 %](#)
Location:
Germany

Images:



Mitutoyo

CRYSTA





7106

MICROCORD



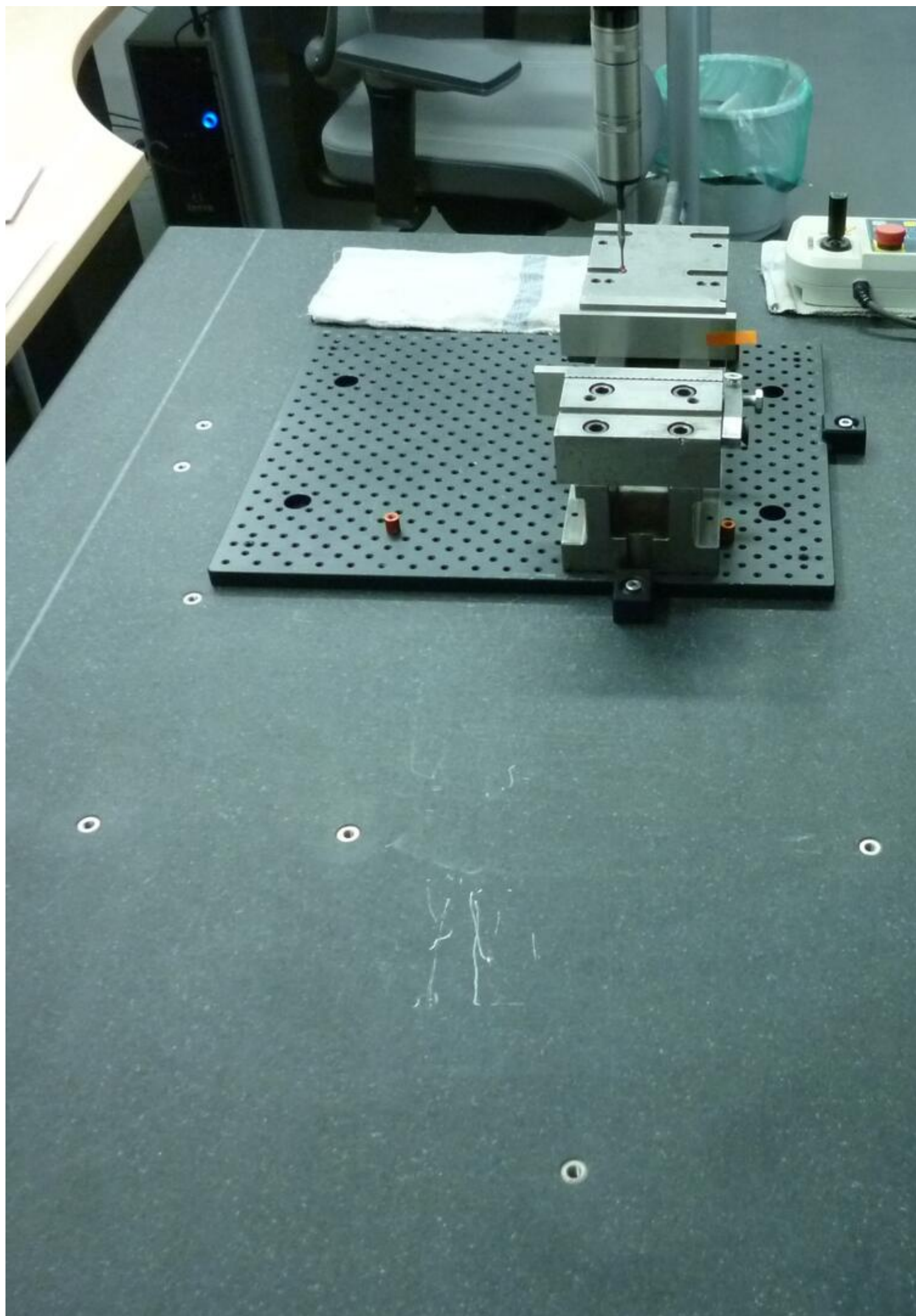
POWER



Mikrotop
Software-Handl
01805/102-343
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WARNING
SAFETY INSTRUCTIONS
READ CAREFULLY
BEFORE USE
1. Always use the machine in a safe manner.
2. Do not touch the moving parts of the machine.
3. Do not touch the probe or the workpiece.
4. Do not touch the control panel or the emergency stop button.
5. Do not touch the power switch or the power cord.
6. Do not touch the workpiece or the probe when the machine is running.
7. Do not touch the workpiece or the probe when the machine is stopped.
8. Do not touch the workpiece or the probe when the machine is in the standby position.
9. Do not touch the workpiece or the probe when the machine is in the power-off position.
10. Do not touch the workpiece or the probe when the machine is in the power-on position.







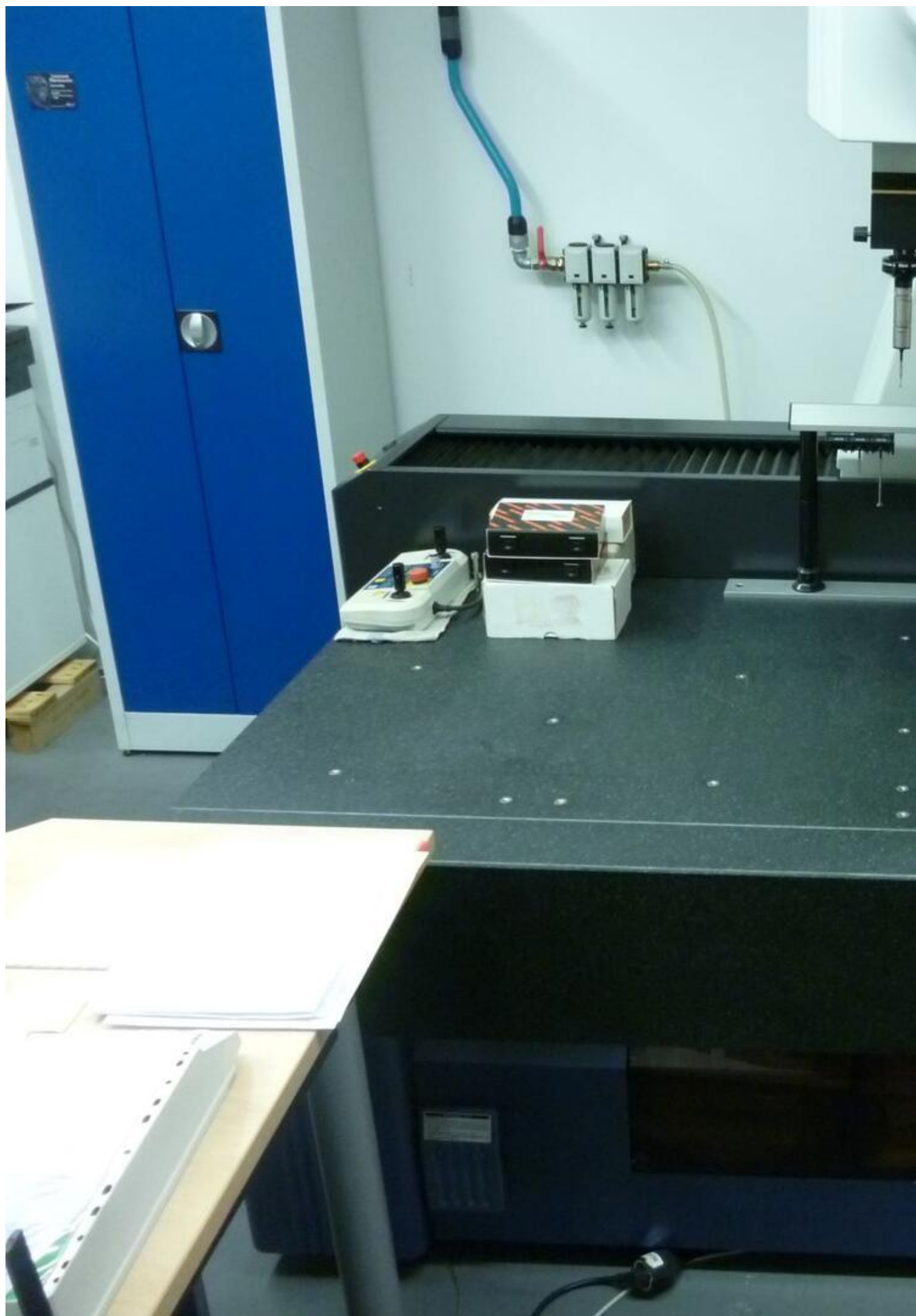


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Teilname								Erstellt	Zeit	Geändert
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Support Rib 113.0								15.04.2021	14:30:39	12.01.2023
np								15.04.2021	13:53:16	15.04.2021
New Part								08.03.2022	13:43:21	08.03.2022

OK













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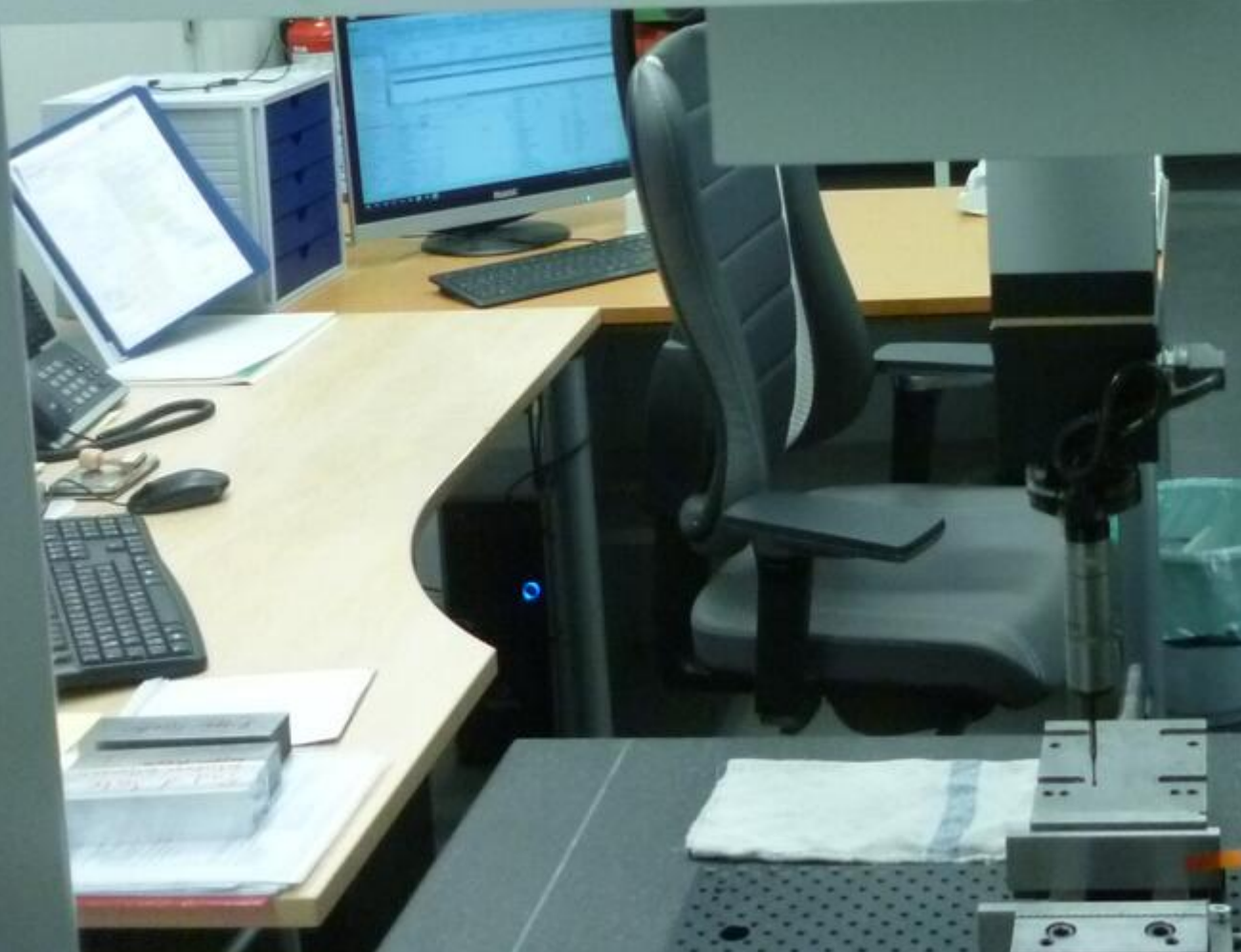
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Images:



Mitutoyo

CRYSTA





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MICROCORD

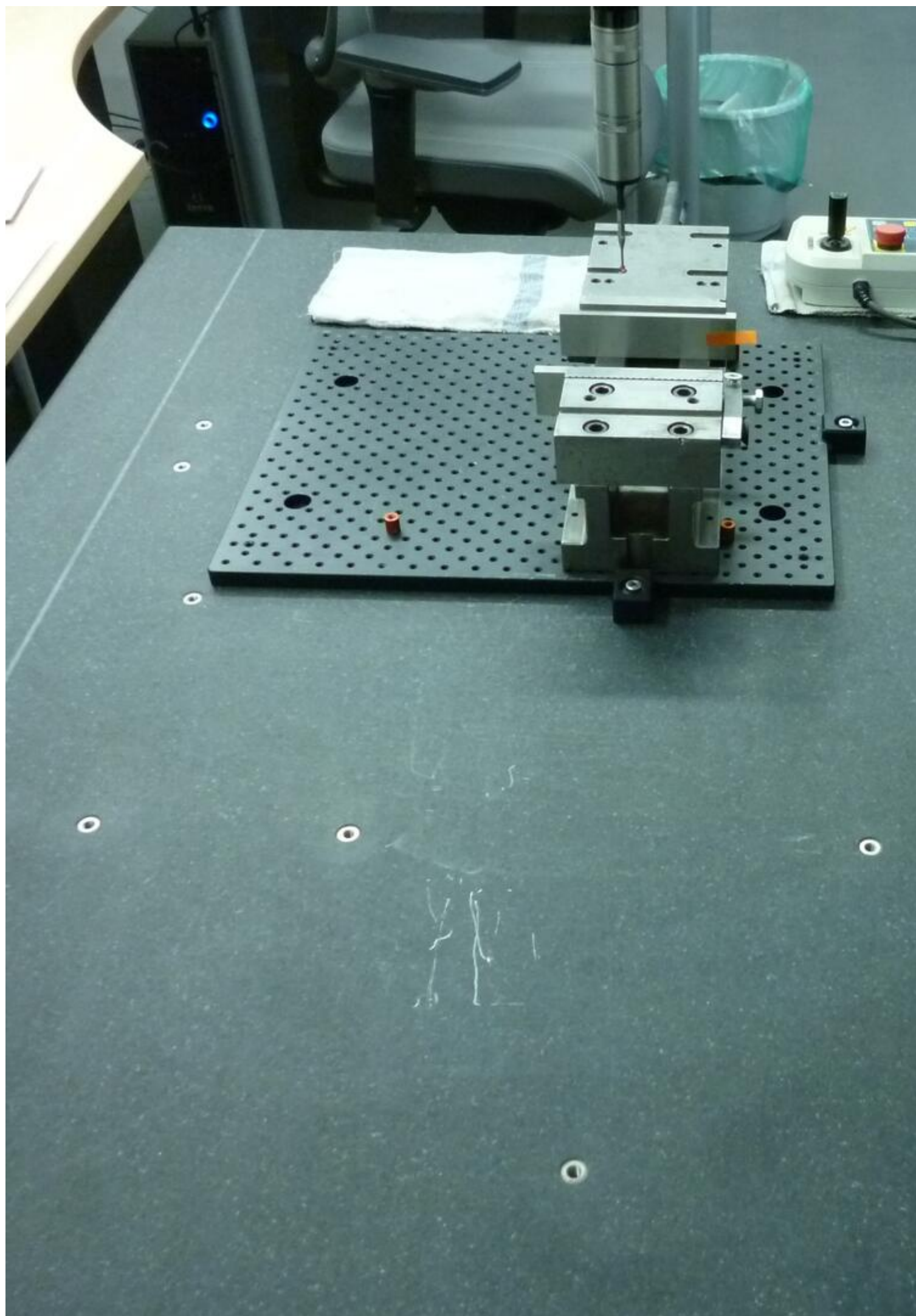


POWER



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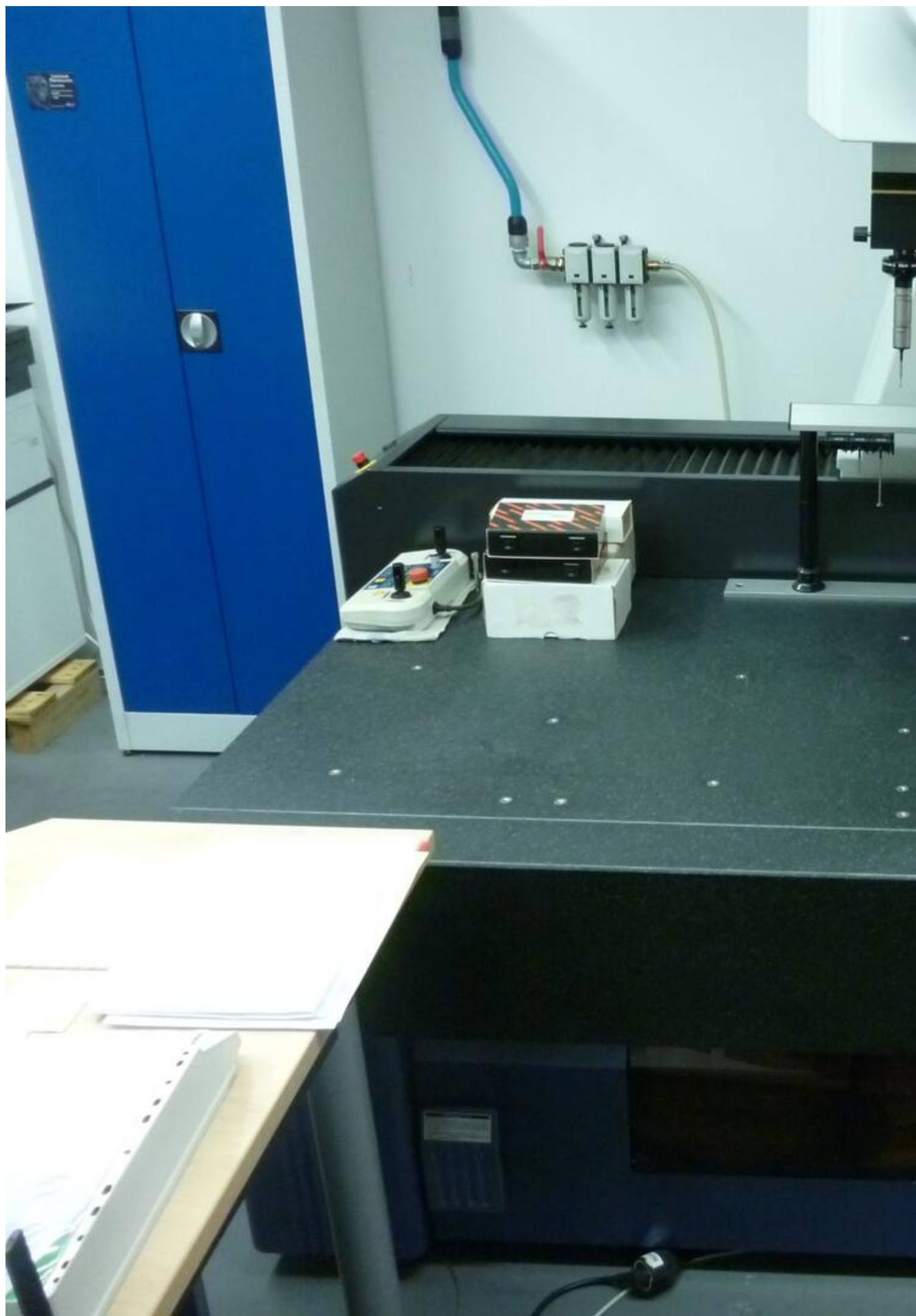


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