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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/s<sup>2</sup> (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:

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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

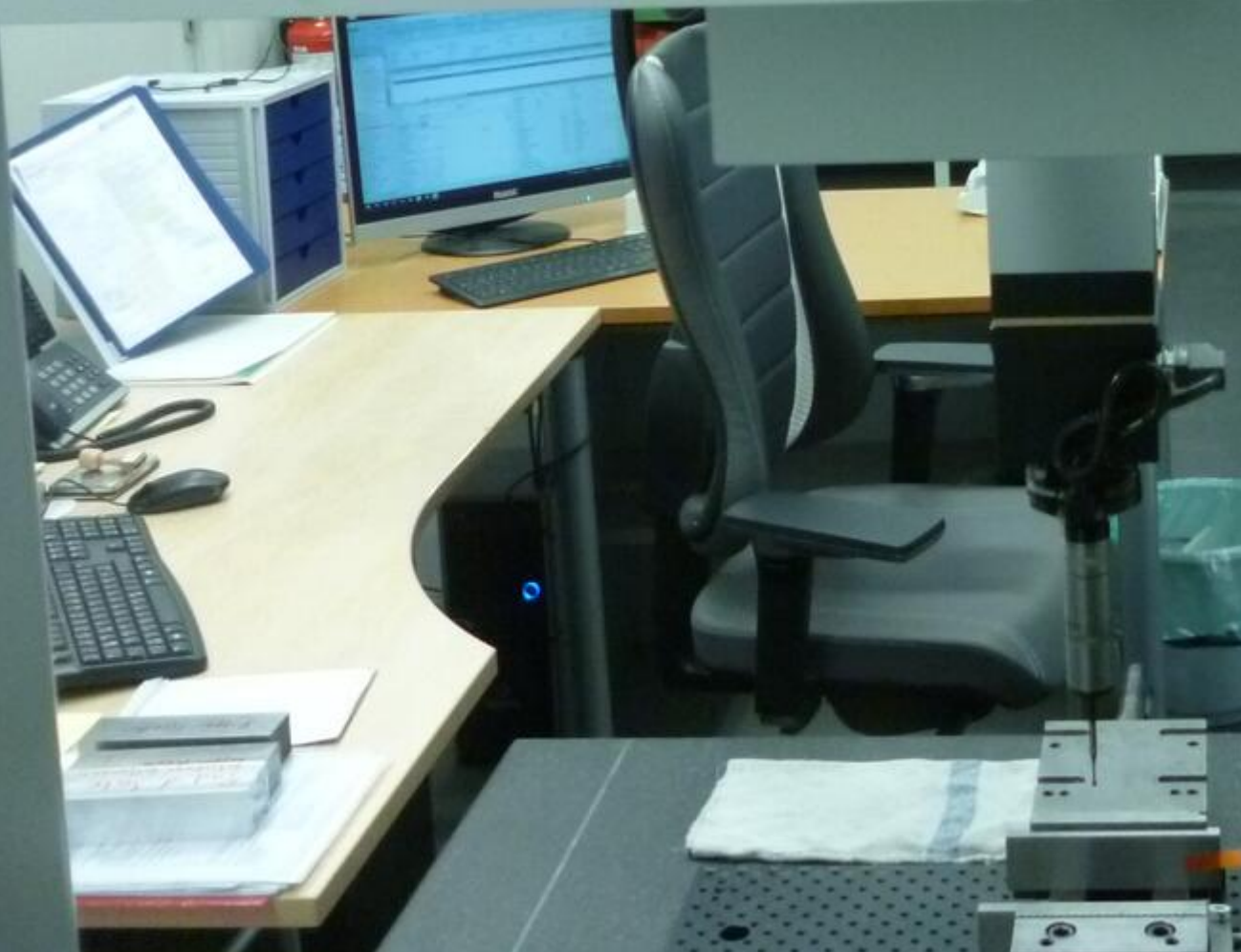
## Images:





Mitutoyo

*CRYSTA*







7106

MICROCORD



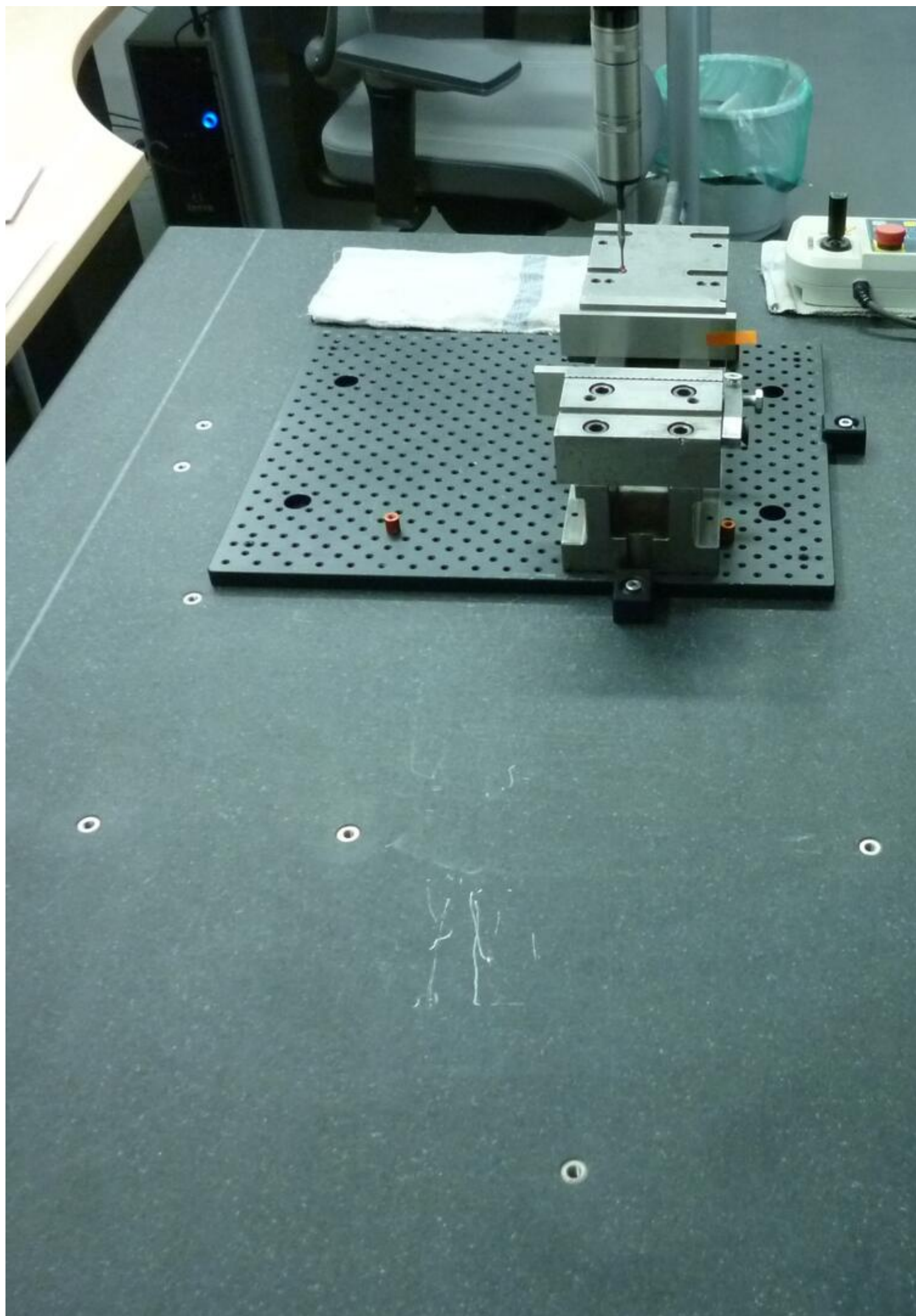
POWER



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WARNING  
Read the manual before operating the machine.  
The machine is equipped with a laser safety system.  
The laser beam is invisible and can cause eye damage.  
Do not look directly into the laser beam.  
Do not touch the laser beam with your hands.  
Do not touch the laser beam with your face.  
Do not touch the laser beam with your feet.  
Do not touch the laser beam with your clothes.  
Do not touch the laser beam with your jewelry.  
Do not touch the laser beam with your hair.  
Do not touch the laser beam with your skin.  
Do not touch the laser beam with your body.  
Do not touch the laser beam with your organs.  
Do not touch the laser beam with your bones.  
Do not touch the laser beam with your muscles.  
Do not touch the laser beam with your nerves.  
Do not touch the laser beam with your blood.  
Do not touch the laser beam with your cells.  
Do not touch the laser beam with your atoms.  
Do not touch the laser beam with your molecules.  
Do not touch the laser beam with your particles.  
Do not touch the laser beam with your quarks.  
Do not touch the laser beam with your leptons.  
Do not touch the laser beam with your bosons.  
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Do not touch the laser beam with your matter.  
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Do not touch the laser beam with your penis.  
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Do not touch the laser beam with your prostate.  
Do not touch the laser beam with your ureters.  
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Do not touch the laser beam with your pancreas.  
Do not touch the laser beam with your spleen.













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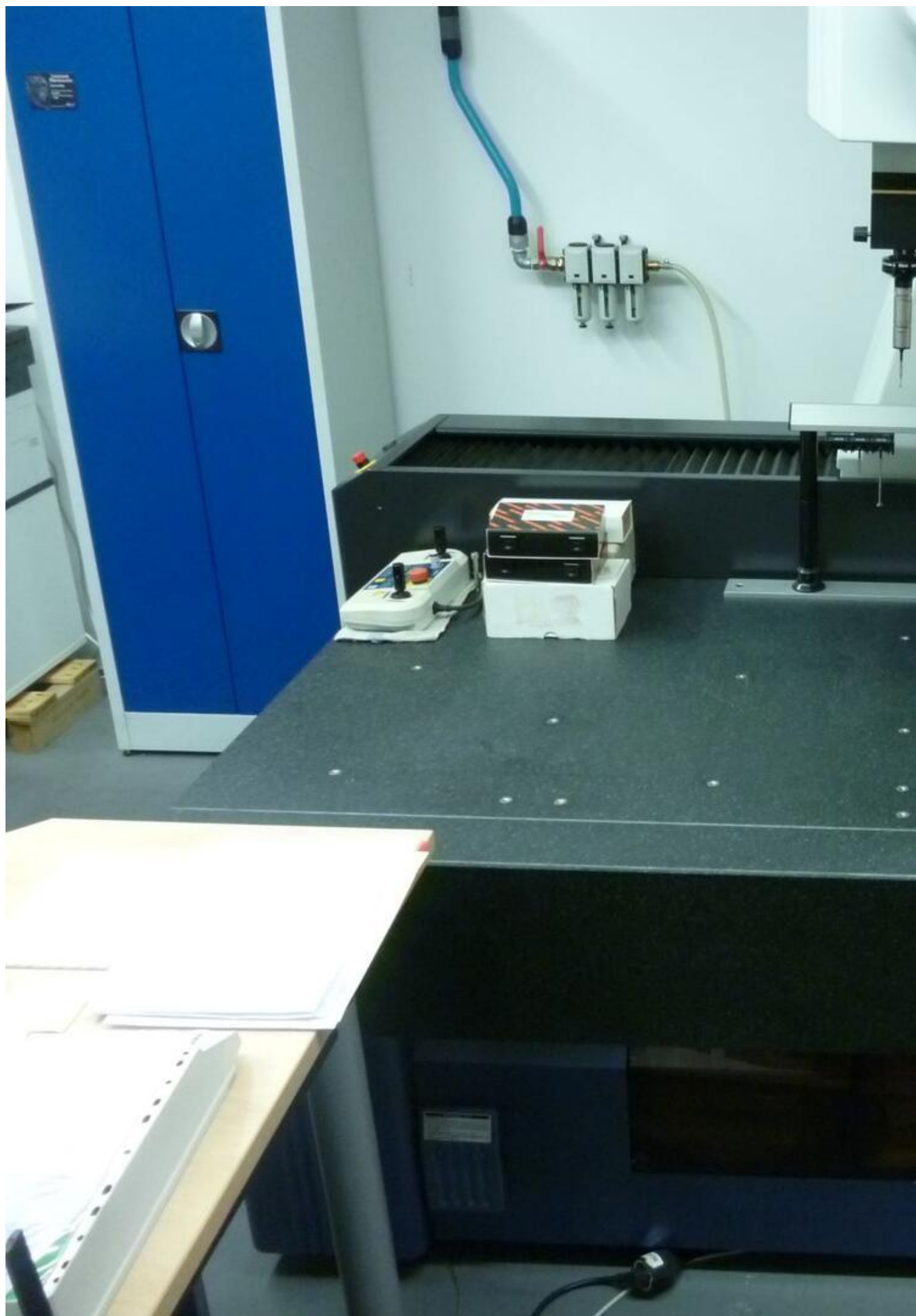
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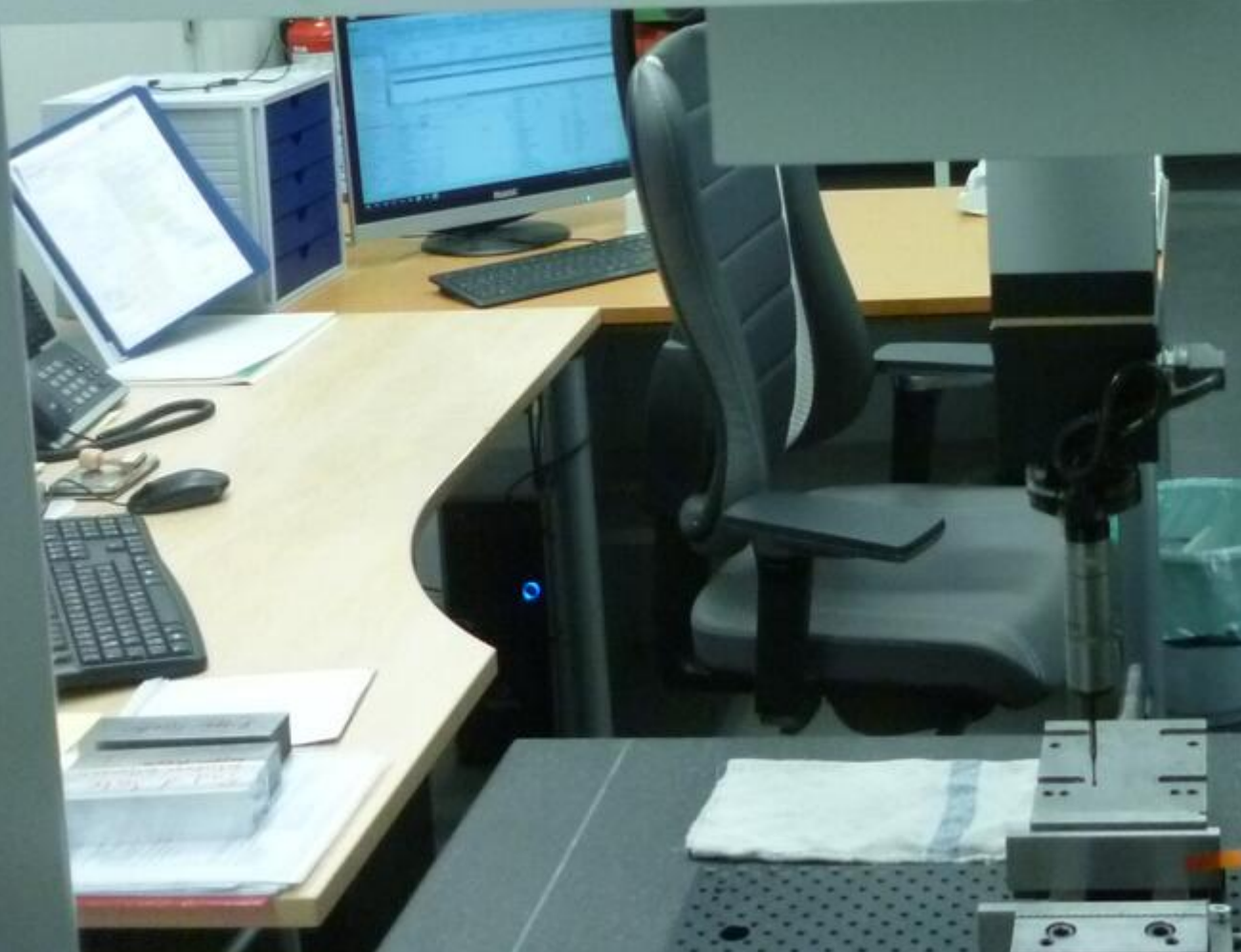
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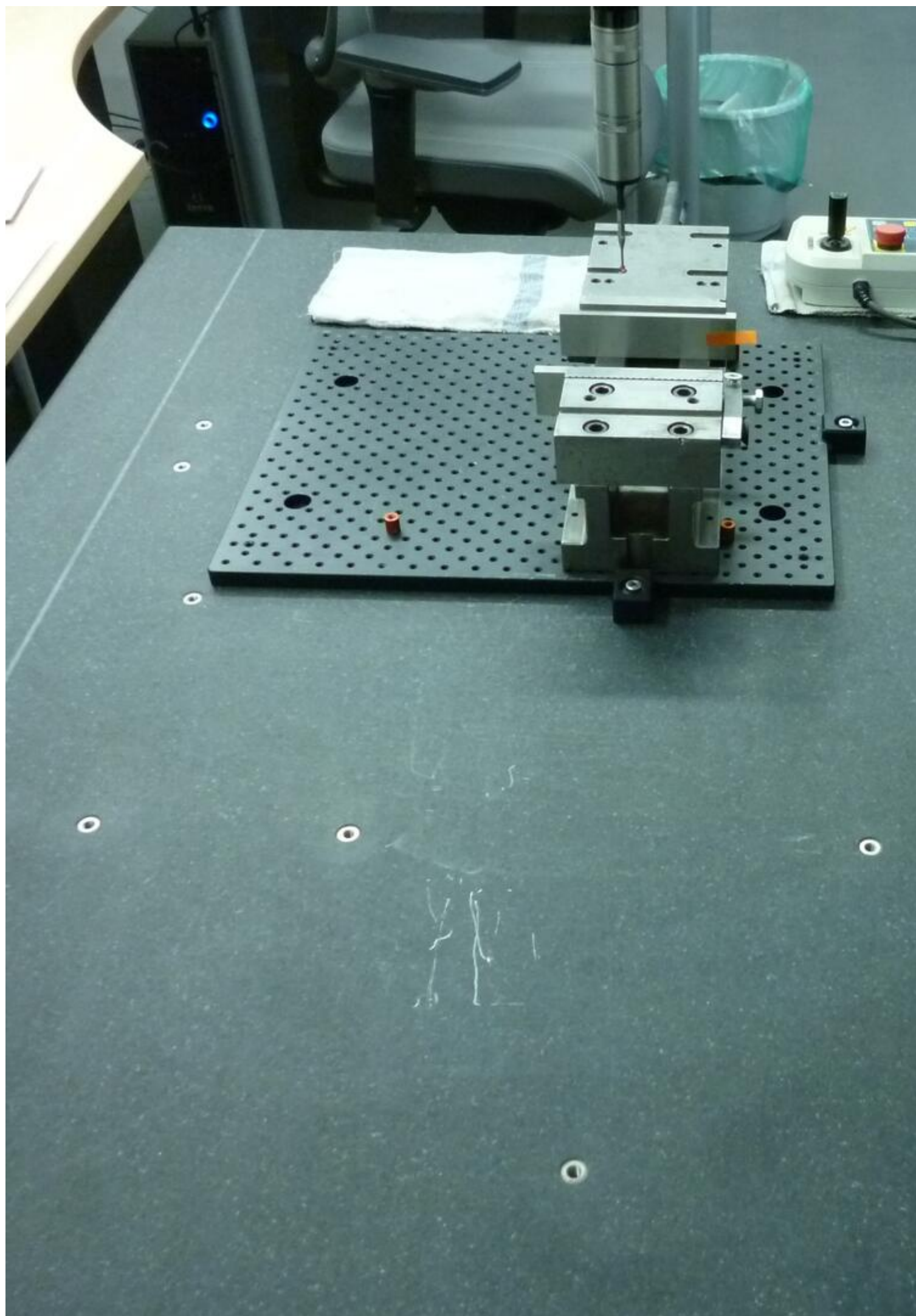
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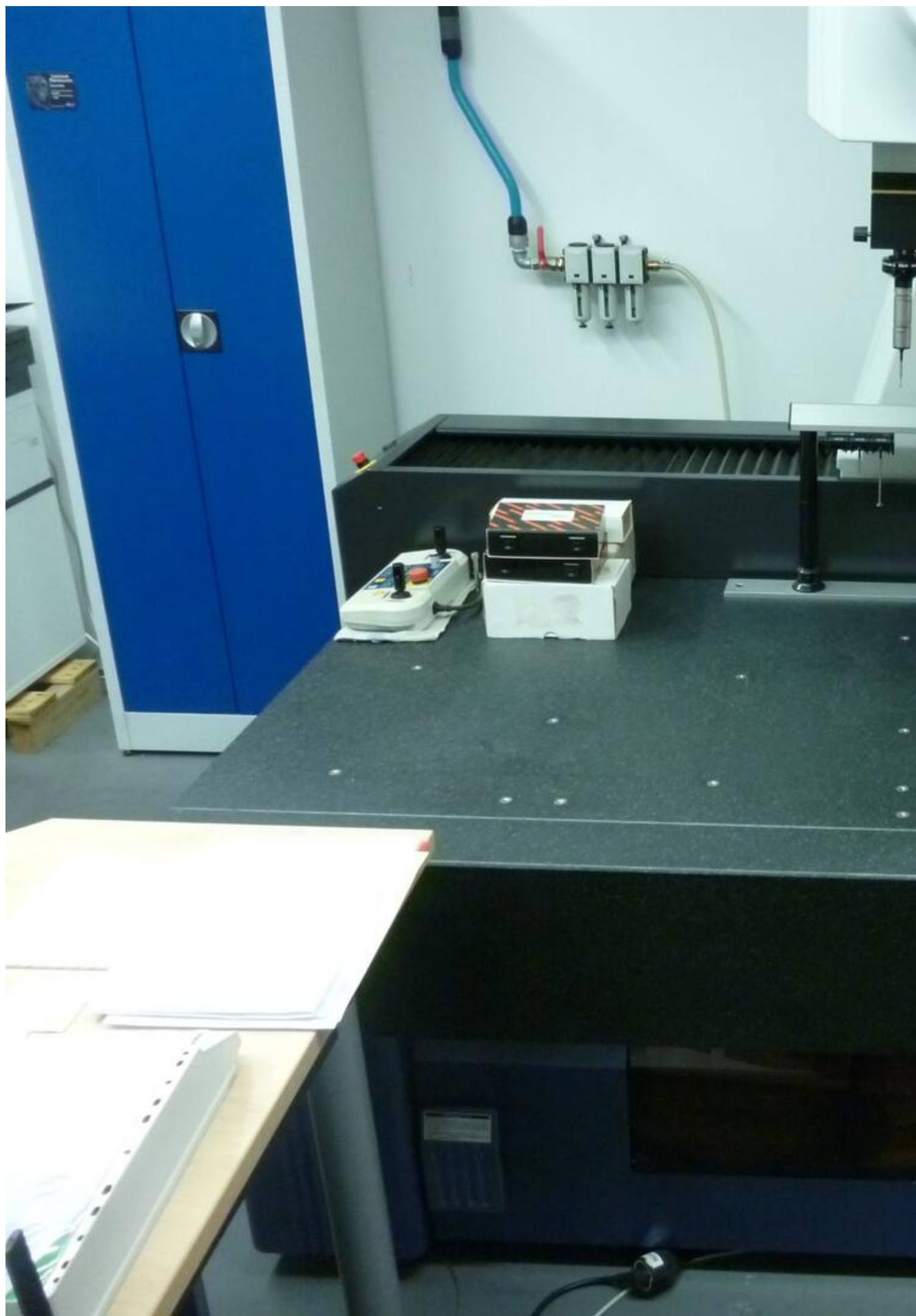
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