



# Asset-Trade

Assessment & Sale of Used Assets

Ref. No.: 1444-10311534

## Overview and Technical Data:

Used MITUTOYO CRYSTA-Apex V9208 - 3-axle

MITUTOYO

**Mitutoyo**

Year of Build: Jan 2020



## Description:

### Used Mitutoyo CRYSTA-Apex V9208

Operating/spindle hours: 500

#### Technical data:

- **Measuring range:** X: 900 mm, Y: 2000 mm, Z: 800 mm
- **Length measurement deviation:** from E0, MPE:  $(1.7+3L/1000)$   $\mu\text{m}$
- **Dimensions (WxDxH):** 1670 x 3220 x 3130mm
- **Travel speed:** 519 mm/s
- **3D acceleration:** 2,309 mm/s<sup>2</sup>
- **Workpiece weight:** 1,800 kg
- **Workpiece height:** 1,000 mm
- **Digit step value:** 0.1  $\mu\text{m}$
- **Bearing:** air bearings on all axes
- **Area of application:** Quality control of tools for Airbus aircraft
- **Condition:** Very good, little used

The Mitutoyo CRYSTA-Apex V9208 CMM was used in the quality control of tools for Airbus aircraft.

The machine is in very good working condition, fairly new and has been used for a few hours every month to check the tools we supplied to the aircraft industry.

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The latest generation of the CRYSTA-Apex coordinate measuring machines, the new CRYSTA-Apex V series, packed with the latest technology for carrying out precise measurements at high speed and acceleration. The newly developed "Absolute" scales are extremely resistant to production-related contamination. This new development in the CMM sector means that a one-time setting of the zero position is sufficient for all future measurements. Reference runs, for example when restarting, are no longer necessary, which saves valuable time.

The SMS functionality enables status and service monitoring, ready for use in the Smart Factory environment.

The investment in CRYSTA-Apex V is future-proof because measuring head systems and measuring software can be easily changed if required or the entire measuring system can



be expanded.

- Lightweight materials and an innovative device structure ensure high movement stability, precision and cost-effectiveness
- Low length measurement deviation
- High speed and acceleration
- Integrated thermal error compensation (16°C to 26°C)
- including workpiece using 2 contact temperature sensors  
Newly developed ABS scales make reference runs unnecessary and are particularly resistant to environmental influences
- New controller with SMS functionality (Smart Measuring System)

## Core improvements of the V-series compared to the V9208

The new CRYSTA-Apex V-series represents a significant development compared to the V9208. The most important innovations are:

- **"Absolute" scales:** Eliminate the need for reference runs and increase measurement speed and reliability.
- **SMS functionality:** Enables intelligent monitoring and control of the system, which facilitates integration into smart factory environments.
- **Higher speed and acceleration:** Reduce measurement time and increase productivity.
- **Integrated thermal error compensation:** Ensures higher measurement accuracy over a wider temperature range.
- **Lightweight construction:** Improves motion stability and reduces operating costs.
- **Expandability:** Enables future adaptations to new measurement requirements.

## Technical details and advantages

The technical data provided underline



## Technical Data:

### Technical Data:

Control: CNC  
Machine Hours: 500

### Dimensions and Weight:

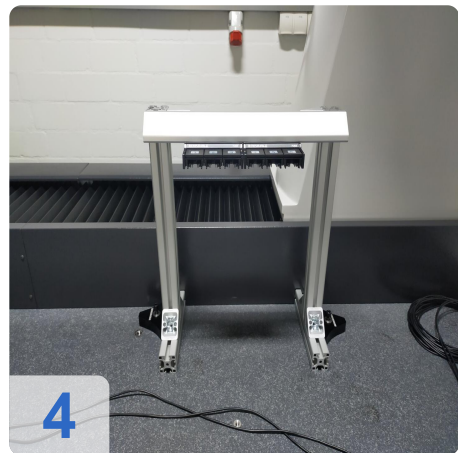
Height: 3.130 mm  
Length: 1.670 mm  
Width: 3.220 mm  
Weight: 3.942 kg

### Buyer Information:

Condition: Very good condition  
Available: Immediately  
Sold as:  
EXW (Ex Works - Incoterm)  
VAT: 19 %  
Buyers Premium: 18 %  
Location: Germany



## Images:





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Assets

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