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

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Description:

Buy used MITUTOYO CRYSTA-Apex V9208 - 3-axis coordinate measuring machine

Sell a used MITUTOYO CRYSTA-Apex V9208 coordinate measuring machine that is in excellent condition. With only around 500 hours of operation, this 3-axis coordinate measuring machine offers excellent precision and speed. Perfect for quality control in the aerospace industry, especially when checking tools for Airbus aircraft.

Operating/spindle hours : 500

Technical data of the MITUTOYO CRYSTA-Apex V9208 used:

- **Measuring range:** X: 900 mm, Y: 2000 mm, Z: 800 mm
- **Length measurement deviation**: from E0,MPE: (1.7+3L/1000) µm
- **Dimensions (WxDxH)**: 1670 x 3220 x3130mm
- **Travel speed**: 519 mm/s
- **3D acceleration:** 2,309 mm/s2
- **Workpiece weight:** 1,800 kg
- **Workpiece height:** 1,000 mm
- **Digit step value:** 0.1 µm
- **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.

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,

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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 specified technical data underline the performance of the V series:

- High measuring range: Enables the measurement of large workpieces.
- High accuracy: The length measurement deviation is in the range of a few micrometers.
- Fast traversing speed: Reduces the measuring time considerably.
- High acceleration: Allows fast position changes.

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- Robust design: Suitable for use in industrial environments.

Areas of application and target groups

The CRYSTA-Apex V series is ideal for companies that require the highest precision and speed in coordinate measurement. Typical areas of application are

- Aerospace industry: measurement of complex components such as turbine blades or fuselage segments.
- Automotive industry: Quality control of precision parts such as engine blocks or transmission components.
- Toolmaking: checking the accuracy of precision tools.
- Research and development: carrying out measurements on prototypes and test parts.

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Technical Data:

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Control: CNC
Machine Hours: 500

Dimensions and Weight:

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

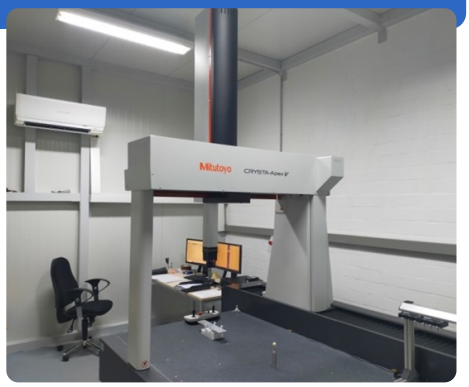
Buyer Information:

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

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Image





2





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4

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