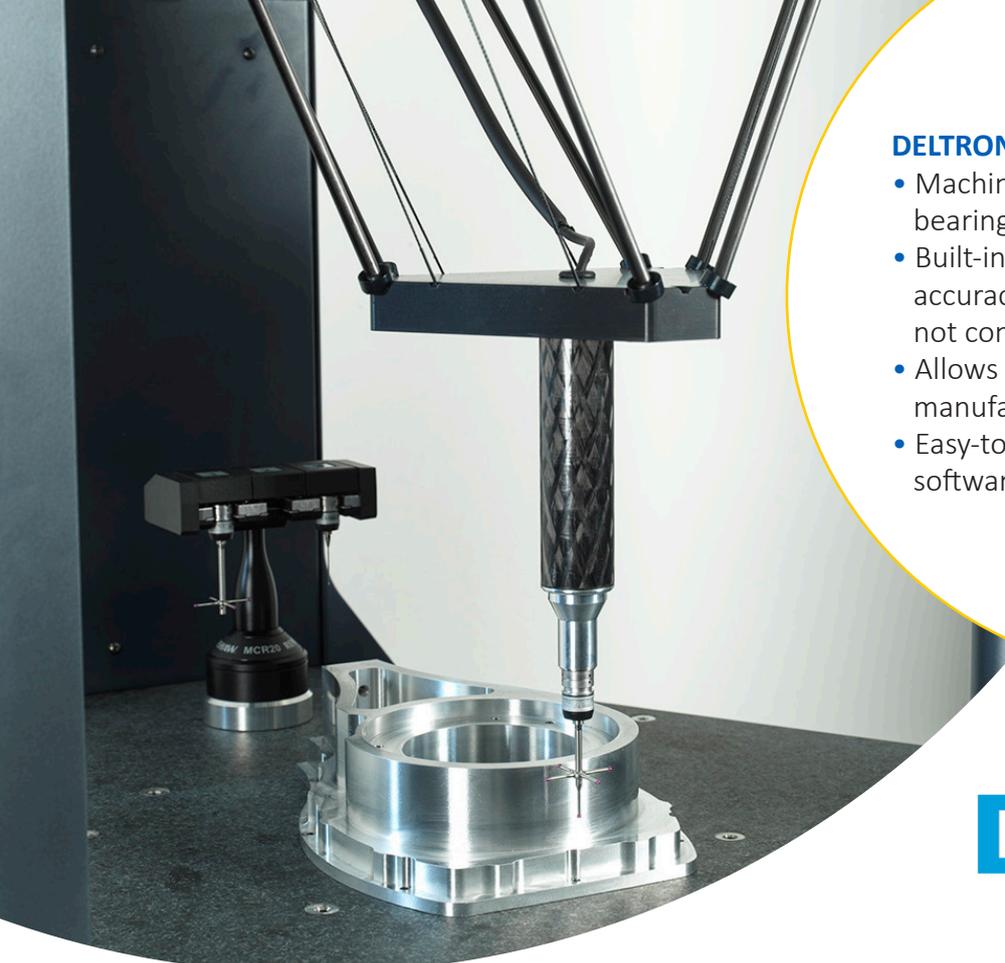




# DELTRON CNC Coordinate Measuring Machine





#### **DELTRON Key Features**

- Machine tool grade, fully sealed cross-roller bearings for robust yet smooth operation
- Built-in temperature sensors maintain accuracy even when ambient temperature is not controlled.
- Allows integration into fully automated manufacturing cells
- Easy-to-use yet powerful measurement software

# DELTRON

## COMPACT | ROBUST | ACCURATE | REPEATABLE

Designed for smaller machine shop/shopfloors where space is valuable. Deltron is a robust CMM with a compact footprint, which can be used standalone, or integrated into a manufacturing cell. Featuring state-of-the-art Delta configuration, high levels of measurement accuracy and repeatability, and powerful yet easy-to-use software.

For those with limited shopfloor space, Deltron is a robust and accurate shopfloor CMM, combined with compact footprint, but with substantial construction to ensure stability.

This unique combination is only made possible by its state-of-the-art Delta mechanism design incorporating carbon fibre rod construction, and well developed software control.

#### **Key Features**

Deltron features fully sealed recirculating bearings, delivering four key benefits – no dirt ingress, no gearbox, no compressed air requirement and smooth, fast operation. Together these deliver exceptional accuracy, simplicity and reliability. Scale resolution of 0.1  $\mu\text{m}$  and volumetric accuracy of  $(2.6+0.4L/100) \mu\text{m}$  combined with maximum acceleration vector of 750mm/s<sup>2</sup> delivers a high level of confidence in the measurement output – speed and accuracy you can rely on.

Five temperature sensors monitor Deltron and its surroundings, and automatic temperature compensation means measurements are reported as if they were taken at 20°C. Always accurate, even in a changeable ambient temperature.

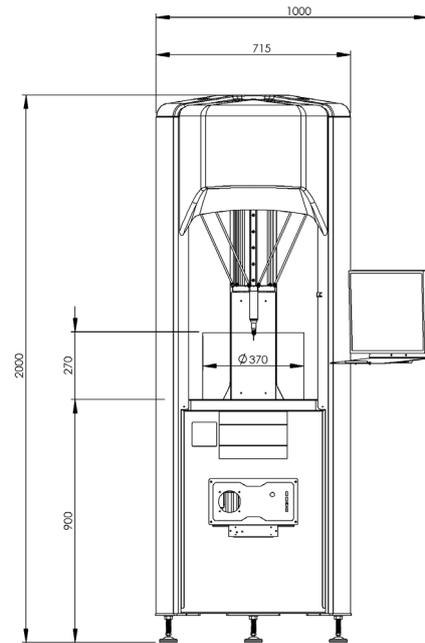
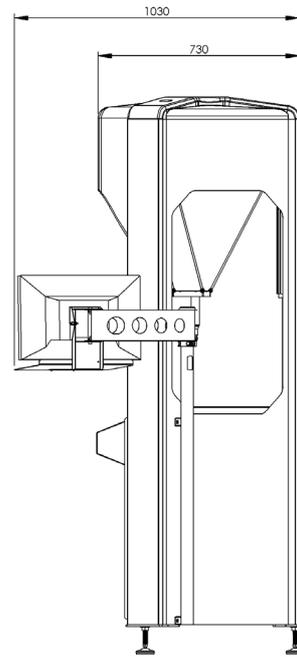
Deltron's leading edge design combines a compact footprint with easy accessibility and surprisingly large measurement volume. It is at home working alongside machine tools on the shopfloor.

Use it standalone, or integrated into a manufacturing cell. Automatic Tool Offset Correction enables utilisation in a fully automated production process. Situate Deltron exactly where you need it for use as an automated in-process measurement system with closed feedback loop.



# TECHNICAL INFORMATION

<b>Measuring Volume</b>	XY 370 mm Dia. Z 270 mm
<b>Overall Dimensions</b> (without monitor arm)	X 730 mm Y 715 mm Z 2000 mm
<b>Table</b>	Solid Granite Plate
<b>Table Load Capacity</b>	200 kg
<b>Machine Weight</b>	180 kg
<b>Volumetric Accuracy</b>	$(2.6 + 0.4L/100) \mu\text{m}^*$
<b>Scale Resolution</b>	0.1 $\mu\text{m}$
<b>Operational Temperature Range</b>	5 - 45°C
<b>Maximum Acceleration Vector</b>	750 mm/sec <sup>2</sup>
<b>Maximum Velocity Vector</b>	500 mm/sec
<b>Required Air Pressure</b>	Not required



\* where L is length of travel in mm

All technical information is subject to change.

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