

# Axiom

The Complete Inspection System



## Manual or CNC CMM

The Axiom CMM is the most popular in the Aberlink Range. Compact in design, it can be used in a production environment or in an inspection room.

X-Axis: 640mm  
Y-Axis: 600 - 1200mm  
Z-Axis: 500mm

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## Key Features

- **Smallest overall footprint of any comparable size CMM**
- **Shortest learning curve of any equivalent system**
- **Choice of Y axis sizes ranging from 600mm to 1200mm**
- **Suitable for a production environment**
- **Protection from environmental vibrations as standard**
- **Optimised friction free air bearings,**
- **aluminium bridge and granite table**
- **Free software upgrades - no maintenance fees or contracts**
- **Free stylus change rack with every motorised probe head upgrade**

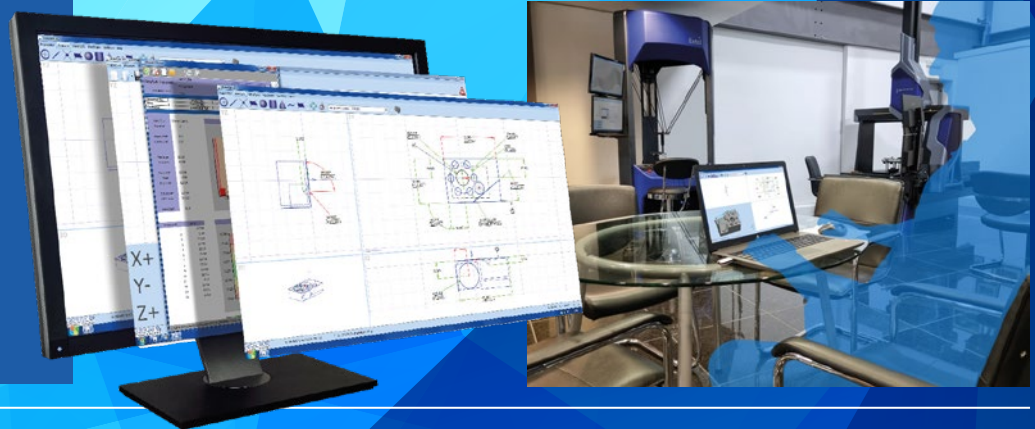
## Axiom, powered by Aberlink 3D - making measurement easy

The Whole philosophy for Aberlink is to make measurement easy. Aberlink 3D software has been written by engineers for engineers and sets the industry standard for simple- to-use software. As a component is measured a representation of it is built up on the screen. The user simply clicks on the measured features to call up dimensions exactly as they would appear on a drawing.

However, Aberlink 3D is not only easy to use but also has the depth of functionality to make it the choice for either occasional users or full-time inspection professionals. The software incorporates GD & T dimensioning, RPS alignment, SPC data analysis and further modules are also available for off-line programming of parts from a CAD model and also for comparing measure results to the CAD.

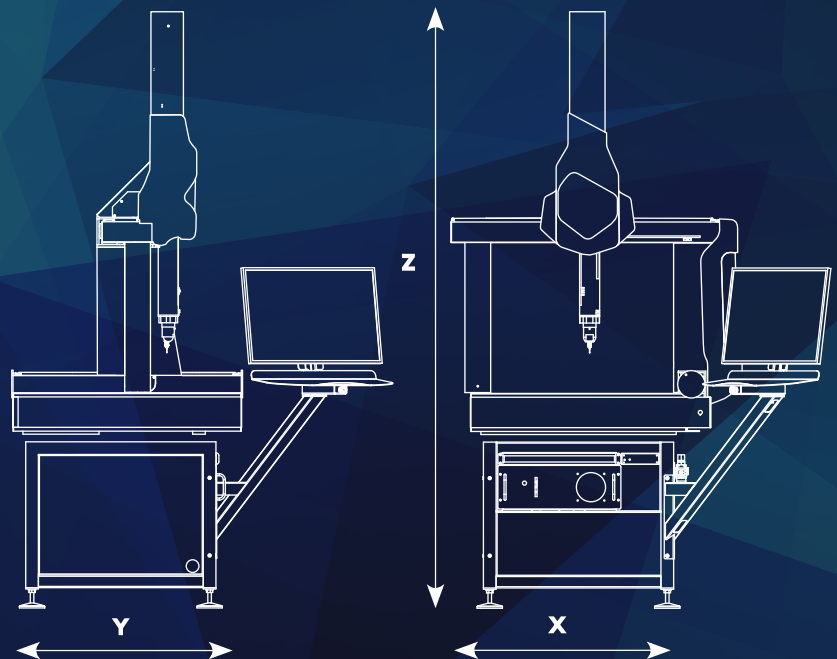
Inspection reports can be in the form of fully dimensioned graphical representations as created on the screen, or tabulated reports in various formats that can show nominals, tolerances, errors, pass/fails, geometric tolerances etc. These reports can all be output as an Excel spreadsheet.

Popular throughout the world, Aberlink's measurement software provides the user with a powerful, yet easy-to-use interface. This substantially increases component throughput and vastly reduces the learning period for new users.



## Specification

Axis Travel (mm)	X 640 Y 600, 900, 1200 Z 500
Overall Size (mm)	X 1040 Y 900, 1200, 1500 Z 2320
*Volumetric Accuracy:	TP20 (2.1µm + L/250mm) TP200 (2.0µm + L/250mm) SP25M (1.8µm + L/250mm)
Scale Resolution:	0.1µm
**Optimum Temp Range:	18 - 22°C
Operational Temp Range:	5 - 45°C
Table:	Honeycomb aluminium & granite or solid granite
Table Load Capacity:	300kg (Honeycomb) or 500kg (Solid)
Max. Velocity Vector:	850mm/sec
Max. Acceleration Vector:	850mm/sec <sup>2</sup>
Air Consumption:	100 l/min (3.53 cfm)
Required Air Pressure:	7 bar (100 psi)



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