



....a passion for precision

REVOLUTIONARY MANUAL CMM



The Fulcrum is a revolutionary manual CMM, by employing three rotary axis Aberlink have created a compact and portable design enabling it to be used where it is needed, on the shop floor, near your machine tools. Designed to optimize inspection as parts come off the machine, one op at a time, giving feed back to the machining process at the earliest opportunity, before final inspection, before more expense.

Only requiring a single-phase electricity supply, and no air, you can plug it in where you need to use it. A simpler user interface has been developed for Aberlink measurement software, making it even easier to use on a manual CMM, while retaining full functionality. After manually scanning the part, critical features are automatically recognized, and dimensions automatically displayed. Intuitive software and innovative design means you'll be measuring your parts within minutes of switching on the Fulcrum CMM, even with no prior operating experience. It will quickly become the tool of choice for jump-on, ad-hoc inspection, whether checking 1st off inspection, small batch quality control, or setting CNC machines. The Fulcrum is the easiest CMM to learn and use.

With 5 micron volumetric accuracy, thanks to 40 nanometer resolution encoders, you can trust the inspection results. After Aberlink's 30 years of innovative metrology we've gone back to our roots and created the perfect first CMM, or the CMM to expand inspection capacity onto the shop floor. Aberlink does not charge for CMM software updates or software maintenance contracts; we don't take advantage of our customers so the cost of ownership can be nothing (we recommend and charge for an annual calibration).

Key Features

- Compact portable design
• 3A electrically power supply, no air
• Rugged shop-floor manual CMM
• Aberlink's revolutionary easy-to-use manual measurement software
• Shortest learning curve of any equivalent system - 1 day without prior CMM experience
• Continual scanning for size and form measurement
• Accurate to less than 5 microns anywhere in the measuring range

\*Minimum measuring range specified because the usable volume isn't cubic.

\*\*Maximum Permissible Error MPEE, according to an adapted ISO10360-2 2009 test to suit the Fulcrum, within the thermal limits defined for optimal temperature range.

\*\*\*The machine should not be positioned where it will be subjected to rapid changes in temperature. Max rate of ambient temperature change should not be more than 1°C/hour.

Fulcrum

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Technical Information

Table with 2 columns: Parameter and Value. Includes rows for Axis Travel, Overall Size, Motion, Suitable For, Volumetric Accuracy, Scale Resolution, Optimum Temp Range, Operational Temp Range, Air Required, and Aberlink Camera support.

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