Magnetic soft buttons allow you to quickly change between features without using the mouse. They can be placed anywhere on the measuring surface.

Fulcrum

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.
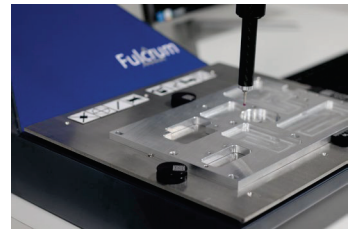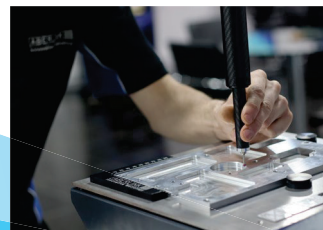
A simpler user interface has been developed for Aberlink measurement software, making it even easier to use on a manual CMM, while retaining full functionality. After manually scanning the part, critical features are automatically recognized, and dimensions automatically displayed.

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.
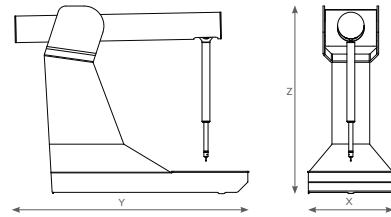
After Aberlink's 30 years of innovative metrology we've gone back to our roots and created the perfect first CMM, or the CMM to expand inspection capacity onto the shop floor.

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).

Technical Information:

Axis Travel (mm)	X 280 Y 280 } Minimum* Z 150
Overall Size (mm)	X 335 Y 830 Z 725
Volumetric Accuracy:	5.0μm
Scale Resolution:	0.04μm
Optimum Temp Range:	18 - 22℃ **
Operational Temp Range:	5 - 45℃

Key Features:

- Compact portable design
- 3A electrically power supply, no air.
- Rugged shop-floor manual CMM
- Aberlink's easiest to use manual CMM Software
- Continual scanning for size and form measurement
- Accurate to less than 5 microns anywhere in the measuring range
- **Free software upgrades** - no maintenance fees or contracts

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

**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℃/hour.

All-in-one pc supplied as standard with our powerful Aberlink Mk4 Software