

## ACCESSORIES

### FURTHER CMM ENHANCEMENTS

#### CMM Touch Screen Joystick

The touch screen joystick gives you control of the Aberlink 3D inspection software and the 3-axis machine motion from an easy to operate handheld device.

The CMM touch screen joystick allows users complete control of the Aberlink 3D inspection software, clearly displayed through the unique joystick graphical user interface and high resolution touch sensitive screen - there is no need to interface with the PC. This is especially useful on larger CMMs when you need to stand over the part or around the back of the machine, to position the probe or clearly see probe measurements.

The colour touch screen joystick is invaluable when creating and running inspection programmes, enabling complete control of the X, Y and Z-axis machine movement, probe head indexing and machine status. You have complete control at your fingertips.

The touch screen joystick is supplied as standard with both the Horizon and Azimuth CMMs.



#### Industrial CMM Joystick

The industrial CMM joystick is a robust lower-cost version of the acclaimed CMM touch-screen joystick. It has full X-Y-Z axis motion control, X-Y-Z +/- direction measurement capability, feed rate override and the ability to insert Move Via points as required. The industrial joystick has been ergonomically designed for left or right handed operation, and includes a magnetic mount to enable quick placement on the CMM.

The industrial joystick is supplied as standard with both Axiom and Extol CMMs.



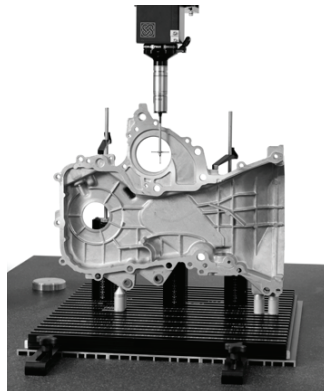
#### Fixture Kit

T-slot and T-nut technology provides infinite adjustment of the fixture components in multiple directions. Clamps, locators and supports can be placed in exactly the right position to suit the part. Greater flexibility results in less complicated designs, fixtures are easier to assemble and completed in less time.



Fixture mountings incorporate one or more t-slot. The slot receives a sliding t-nut which is used to secure the fixture components in place. For rapid repeat set-ups, fixture components can be removed and replaced without disturbing the t-nut while laser engraved scales and alpha markings facilitate more precise builds.

Any number of designs can be created from a single fixture kit. Over one hundred high quality parts manufactured from anodised aluminium and stainless steel are supplied in a compartmented storage case. All types of prismatic and free form parts can be held and supported correctly during measurement.



#### Automation Interface Unit

The Aberlink automation interface adds the capability for Aberlink 3D programmes to be remotely controlled and monitored using an external system allowing any Aberlink CMM to be integrated with an automated component handling system, whether this be a fully controlled, PLC driven manufacturing system, a robotic loader or just an automatic bar feeder. The package comprises of an optically isolated digital I/O system and a software module that enables the software to be setup to follow a defined operating sequence to allow the automated operation.

The automation interface includes documentation and a software utility package, but because of the need to have detailed knowledge for the automated handling system for each installation, integration must be handled by the system integrator and cannot be supported by Aberlink.



#### Collimated Back Light

The CMM collimated light enables backlight illumination of 3D or turned components when used with the CMM Camera System. When using collimated light to backlight components, a clear and crisp silhouette, similar to using a profile projector, is produced. A single-LED collimated light features a compact, lightweight design which is perfect for the Axiom Too range of CMMs and is fully programmable and controllable within Aberlink vision software.



#### Automatic Temperature Compensation

The Aberlink Temperature Compensation option enables your CMM to maintain accuracy in an uncontrolled environment, such as on the shop floor.

In an ideal world, your CMM would be installed in a perfectly temperature controlled room. However, in the real world of manufacturing, sometimes that isn't possible or practical because you need your CMM next to where your parts are being made.

A USB temperature sensor embedded in the bridge of the CMM provides feedback to compensate as though measurements have been taken at 20°C



#### Dual Monitor

The vertically mounted dual-monitor arm enables Aberlink CAD or Vision software modules to be viewed on a separate tilt-able screen to the Aberlink 3D inspection software.



#### Air Dryer

SMC IDFA series refrigeration air dryer - to ensure a good quality of air supply and maximise the performance and life of the CMM.

