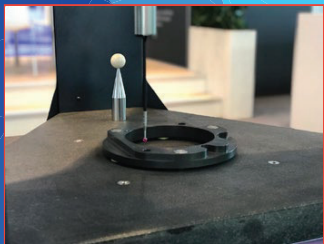
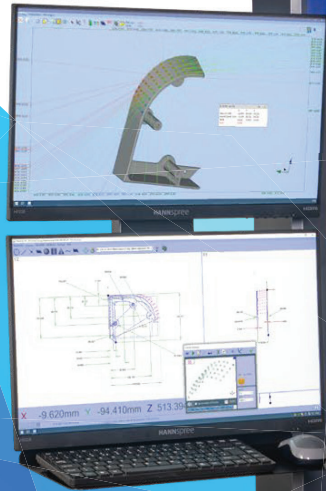
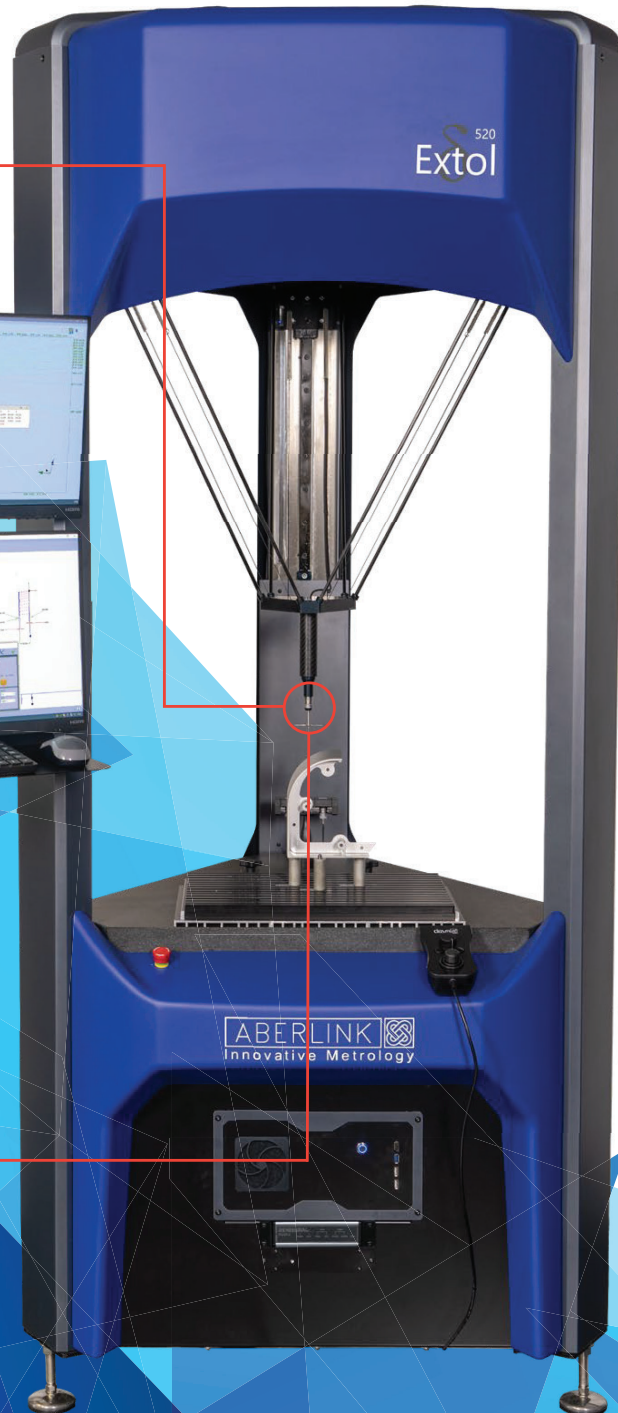


TP200B Probe upgrade, ideal for high volume & high accuracy applications



SP25M scanning module, now available on both Extol sizes



Extol

CMM ACCURACY WHEREVER YOU NEED IT

True to Aberlink's heritage for innovation, the Extol is the world's first CMM to utilise a delta mechanism. Designed for robustness and reliability, the Extol CMM will run around the clock making it ideal whether it is positioned next to a machine tool, in a manufacturing cell, or used in a dedicated inspection area.

Five temperature sensors monitoring both the machine and ambient temperature ensure that the Extol is capable of operating in uncontrolled environments and reporting measurements as though they had been taken at 20°C. The software will also produce a warning should the temperature change at a rate that is not conducive with reasonable metrology practice.

The Automatic Tool Offset Correction available with the Aberlink 3D software complements the attributes of the Extol perfectly, allowing utilisation as part of a fully automated production process in the midst of a manufacturing environment.

The ergonomics of the Extol have also been a significant design factor. It is quick and easy to perform one-off inspections, while also having ample access for either batch inspection or to facilitate automatic loading. With the largest measuring volume to footprint area of any CMM, the Extol can be positioned exactly where inspection is needed.

Robust, accurate and reliable, the Extol CMM is the perfect solution to automatically verify part quality for critical components.

Key Features:

- No compressed air required - the Extol is 'plug and go'
- Built-in temperature control - accuracy is maintained even when ambient temperature is not controlled
- Automation and automatic tool offset compensation options mean that the Extol is ideally suited for automated manufacturing cells
- Fully sealed recirculating bearings that improve smoothness and dirt immunity
- The Extol's direct drive belts eliminate the need for a gearbox and any associated backlash issues
- Aberlink's revolutionary easy-to-use measurement software
- **Free software upgrades** - no maintenance fees or contracts

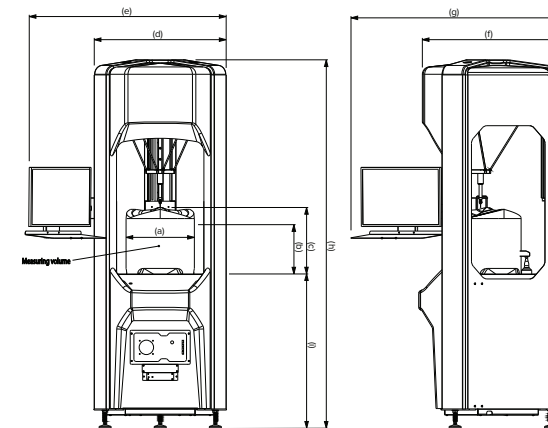
Machine Options:

- Dual monitors, ideal for use with CAD software options and can be positioned on either side of the machine.
- TP20 probe offers robust measurement solution
- TP200B Probe upgrade available where high volume or high accuracy solutions are required
- 3 or 6-Port change racks available for both TP20 & TP200 options. (6-Port recommended for Extol 520 only)
- Fixturing kit provides a flexible solution for locating



Technical Information:

Model:	Extol 370	Extol 520
Axis Travel (mm)	XY 370	(a) XY 520
Cylindrical	Z 270	(b) Z 300
At Centre	Z 365	(c) Z 400
Overall Size (mm)	X 715 Y 730 Z 2000	(d) X 950 (f) Y 990 (h) Z 2200
Overall Size (mm) with monitor arm	X 1000 Y 1030 Z 2000	(e) X 1180 (g) Y 1320 (i) Z 2200
Volumetric Accuracy:	TP20 (2.6 + L/250) μm TP200 (2.5 + L/250) μm SP25M (2.3 + L/250) μm	TP20 (2.6 + L/250) μm TP200 (2.5 + L/250) μm SP25M (2.3 + L/250) μm
Scale Resolution:	0.1μm	0.1μm
Operational Temp Range:	5 - 45°C *	5 - 45°C *
Table:	Granite plate	Granite plate
Max. Velocity Vector:	500mm/sec	500mm/sec



*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.