

# Project X

## ADVANCED VISION SYSTEM

Project X finally replaces the old technology of a profile projector. It is easier to use than a profile projector. It is quicker to use than a profile projector and it will deliver reliable, consistent inspections time after time. Project X is available as either a manual machine or with full CNC control.

Project X is different. It utilises a patented technology XY scale, that records not only X and Y position but also any rotational movement of the camera system. In addition, this is an absolute scale system, which means as soon as you switch on the machine it knows exactly where it is - no need for referencing. The camera is free to glide around the measurement area mounted on a simple air bearing system, without any worry about constraining the mechanics to avoid losing accuracy.

Components can be placed on a glass table and remain stationary, while the camera is moved around taking measurements above. There is no need to secure the component on the table as there would be on a moving stage machine.

Combine this simple mechanical structure, made possible by the revolutionary scale technology, with the Aberlink measurement software and you will soon understand why Project X is the standard for 2-dimensional measurement.

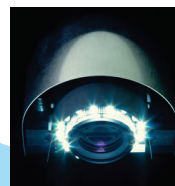
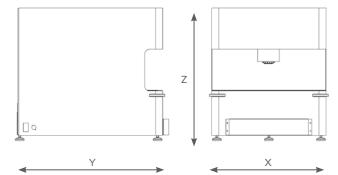
### Key Features:

- High speed optical scanning - up to 5000 points/second
- Fully programmable digital zoom, no need to change lenses
- Powerful edge detection tools for maximum accuracy
- Aberlink's easy-to-use vision measurement software
- **Free software upgrades** - no maintenance fees or contracts



### Technical Information:

Axis Travel (mm)	Overall Size(mm)	2D Accuracy
X 400 Y 300 Z 125 (focus only)	X 583 Y 722 Z 670	7.5µm
Stand Off (mm)	Field of View (mm)	Temp Range
125.0	10.0	18 - 22°C



Project X contains an integrated top light ring as well as back lighting



Free-standing bench option available



Glass graticule available for pixel calibration & measurement verification