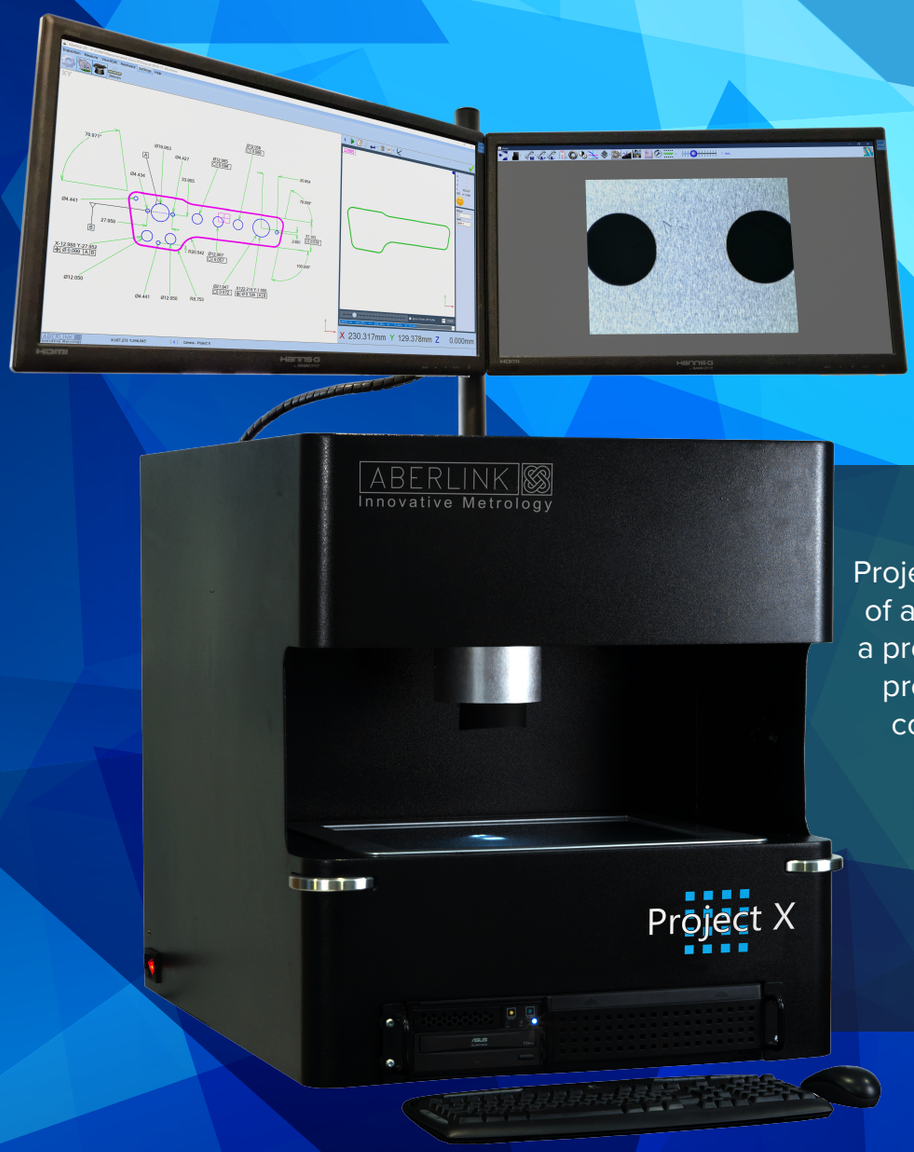
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Project X

Advanced Shop Floor Vision System



TECNIMETAL

Quality Assurance Technology

Manual or CNC 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 measurements time after time.

Project X is available as either a manual machine or with full CNC control.

X-Axis:	400mm
Y-Axis:	300mm
Z-Axis:	125mm

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Key Features

- **Fully automated CNC, or manual, non-contact inspection for small parts**
- **Free software upgrade for the life of the CMM – no software maintenance fees or contracts!**
- **Shortest learning curve of any vision software package**
- **Small enough to be positioned on a production workbench**
- **Fully programmable digital zoom, no need to change lenses**
- **High speed optical scanning - up to 5000 points/second**
- **Powerful edge detection tools for maximum accuracy**
- **Directional overhead lights provide profile and surface feature inspection**
- **Collimated under stage light - perfect for edge-measurement on turned parts**
- **Measures accurately even when the feature is not in focus**

Project X, powered by Aberlink 3D - making measurement easy

The Whole philosophy for Aberlink is to make measurement easy. Aberlink 3D software has been written by engineers for engineers and sets the industry standard for simple- to-use software.

The Aberlink Vision software module allows Aberlink 3D software to be used for non-contact measuring. Fully automatic edge detection tools can be used in both manual and CNC mode ensuring fast and repeatable results without relying on the skill of the operator.

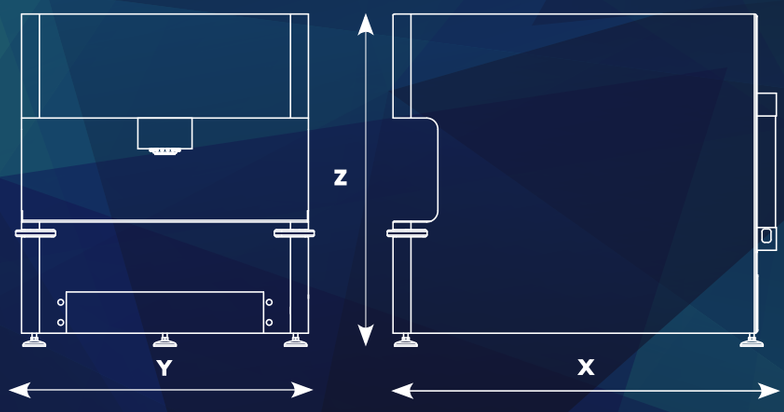
Powerful tools allow both geometric and complex shapes to be measured easily. Dimensions can either be called up by clicking on the measured features in the normal way, or alternatively measurement points can be best-fitted against a DXF file. As well as edge detection the operator may use either full cross hairs or mouse cross hairs with other advanced tools available including “smart measure”, centre line detection, an “all edge points” function, a “thread measure” tool and a “screen ruler” for quick measurements between any two points on the image.

Popular throughout the world, Aberlink’s measurement software provides the user with a powerful, yet easy-to-use interface. This substantially increases component throughput and vastly reduces the learning period for new users.



Specification

Axis Travel (mm)	X 400 Y 300 Z 125 (Focus only)
Overall Size (mm)	X 665 Y 830 Z 746
2D Accuracy:	7.5µm
Stand Off (mm)	125.0
Field of View (mm)	10.0
Operational Temp Range:	18 - 22°C
Required Air Pressure:	Not Required



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