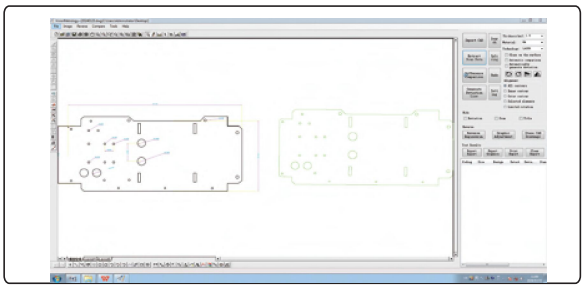
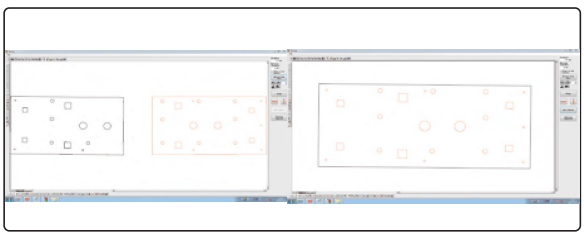
SHEET METAL VISION MEASURING SYSTEMS

PIM-160



measurement and compare with CAD drawings

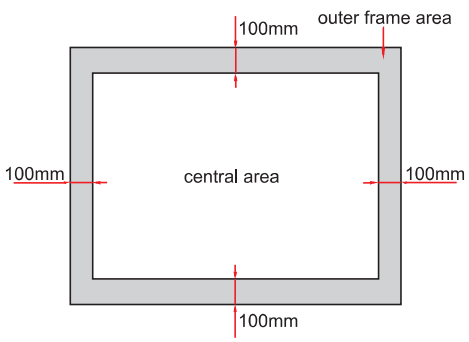


segmented stitching measurement

- Simply import the CAD drawings to complete the measurement and compare with the CAD drawings
- Measurement time is only 0.1 second, data processing takes 20 seconds, and reports are automatically generated within 10 seconds
- Supports stitching measurement and automated interface
- No lead screws, guide rails, or similar components, eliminating wear issues and unaffected by vibration or oil contamination, suitable for workshop use

APPLICATION

Function	rapid 2D measurement, CAD comparison, and reverse engineering for sheet metal workpieces
Workpiece requirements	the workpiece must be flat and free of bends, or it may be flattened using a glass plate
Material requirements for workpieces	white, translucent, black, cast iron, low-carbon steel, stainless steel, and aluminum



SPECIFICATION

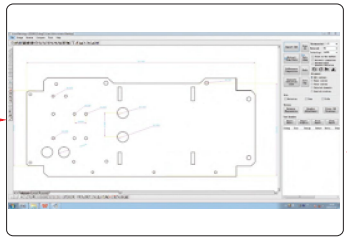
Code	Maximum workpiece dimensions and weight			Center* measurement accuracy	Outer frame** measurement accuracy
	length	width	weight		
PIM-60	600mm	400mm	10kg	±20μm	±40μm
PIM-125	1250mm	800mm	100kg	±40μm	±80μm
PIM-160	1600mm	1100mm	100kg	±50μm	±100μm

*Measurement accuracy within the central area
**Measurement accuracy within the outer frame area

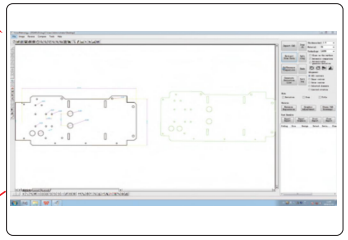
STANDARD DELIVERY

Main unit	1pc
Computer	1pc
Software	1pc

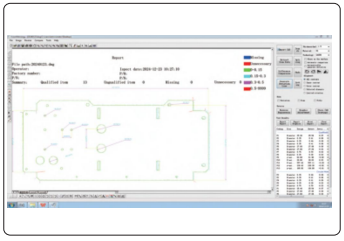
place the workpiece and import the CAD file



measurement complete (0.2 second)



measurement and compare with CAD drawings (10 seconds)

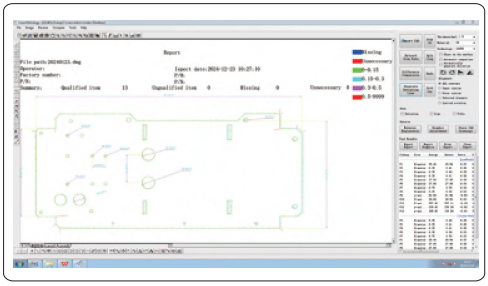


generate color deviation chart (5 seconds)

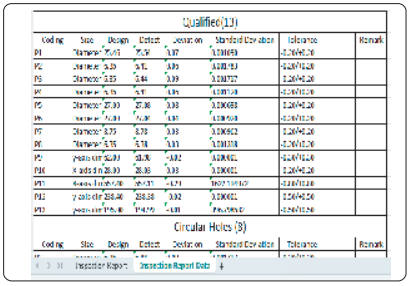
generate inspection report (5 seconds)

measurement process (simply import the workpiece's CAD drawings, click “measure” and the remaining steps can be completed automatically or manually as needed)

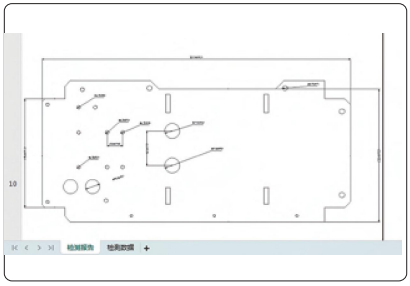
color deviation chart



report document



graphical report



multiple report formats