

# 3D LINE LASER PROFILE MEASURING MACHINE PART NO. VIM-P140-U

NON-CONTACT SCANNING

HIGH SPEED MEASUREMENT

FLATNESS/HEIGHT  
DIFFERENCE MEASUREMENT

CUSTOMIZED MADE

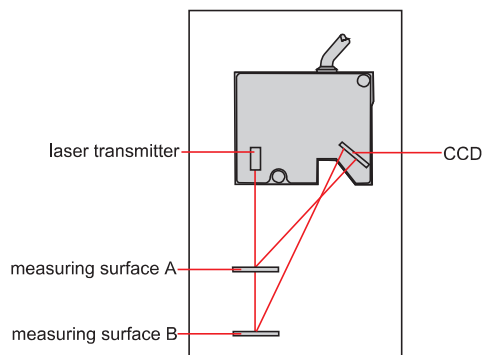


3D line laser scanning camera

- Flatness and height difference measurement of machinery, electronics, cell phones, molds, circuit boards and other products
- Full-range focusable optical system allows you to take pictures in focus range, even when the target height is changed
- Combing 2D and 3D data for complete detection; 2D data can be used for localization, code reading, character recognition, etc
- The software is automatically corrected for workpiece position deviation; multiple scanned images can be automatically spliced to achieve stable detection

## CAMERA PRINCIPLE

line laser scanning camera measurement principle



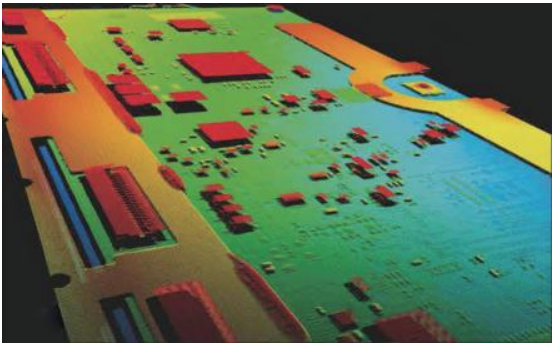
## SPECIFICATION

Travel range XY	15.75×13.78"
Repeat Positioning Accuracy	.00008"
Measuring range of Z-axis	.945"
Width of X-axis	3.78"
Accuracy of Z-axis	±.0008"
Repeatability of Z-axis	±.00002"
Scanning speed	2500~10000Hz
Power supply	110V, 60Hz
Weight	440lb
Dimension (L×W×H)	29.53×29.92×55.12"

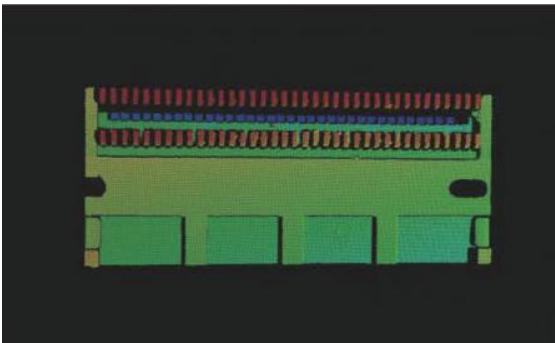
## STANDARD DELIVERY

Main unit	1pc
Industrial computer	1pc
Display	1pc
Keyboard and mouse	1pc

APPLICATION



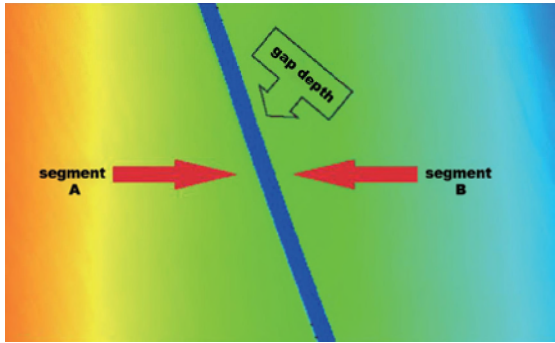
component height measurement on circuit boards



flatness and height difference measurement



character height measurement



gap depth measurement

MEASURING SOFTWARE (INCLUDED)

3D graphics area

graphics area

data area

toolboxes

testing process

The screenshot shows the user interface of the measuring software. It features a large 3D graphics area on the left displaying a 3D model of a component with a color-coded height map. To the right of the 3D area is a vertical color scale bar. Below the 3D area is a data area with a table showing measurement results. On the right side of the interface are two toolboxes: one for selecting measurement tools and another for the testing process, which lists various tasks and their status. The software is titled '3D graphics area' and 'graphics area' in the top left corner. The data area is labeled 'data area' and the toolboxes are labeled 'toolboxes'. The testing process is labeled 'testing process'.