

# Borescope Imaging System

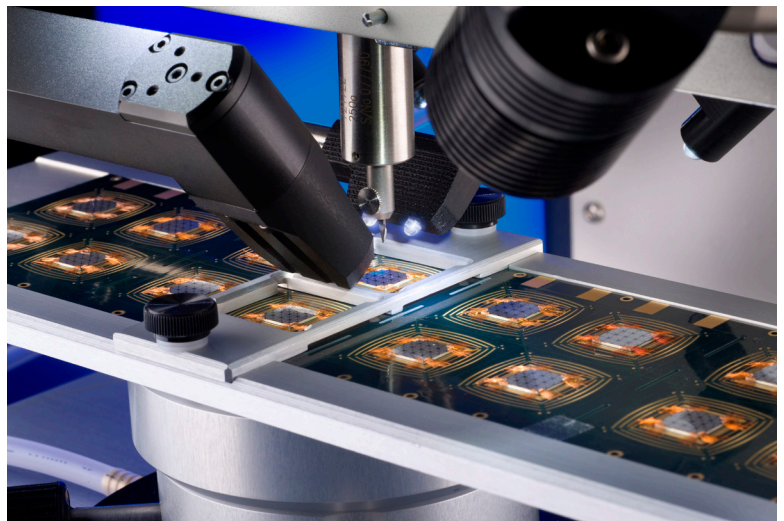
## Datasheet

### Features and Benefits

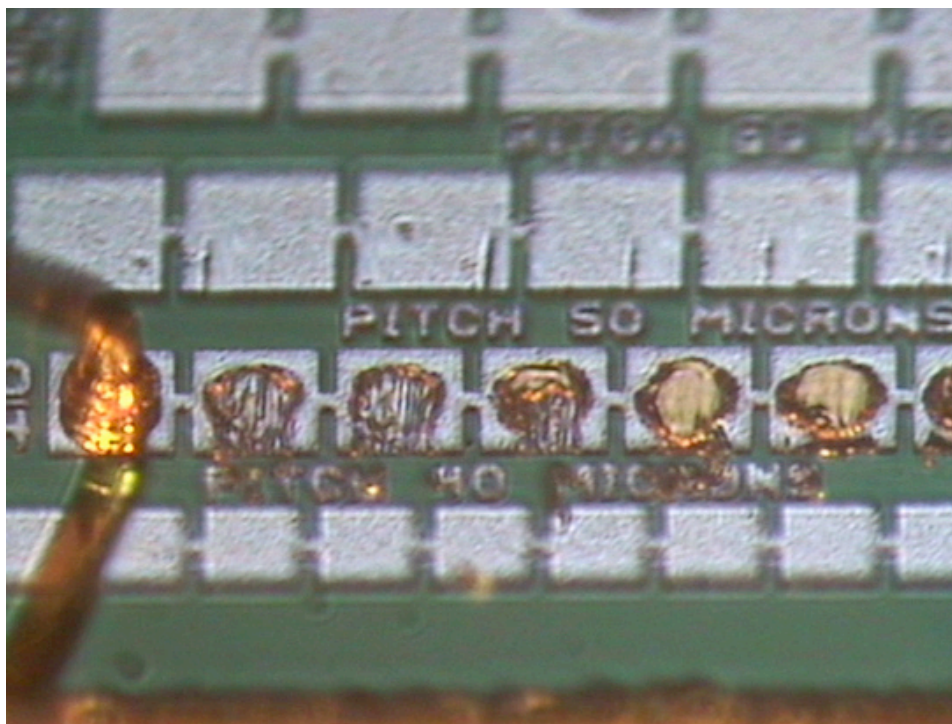
- **Easy to use aiding faster testing**
- **Quick and simple to set-up with X and Y axis and inclined focus adjustment with position lock**
- **Large field of view (270 microns) allows the operator to see several bonds simultaneously**
- **Software controlled nudge routines enable high precision movements of the XY stage**
- **Independently controlled LED lighting prevents image contamination from light reflection**
- **Easily slides in and out from the side so not intruding on valuable test space**

The Nordson DAGE borescope imaging system enables easier load tool to bond alignment and assists operators with failure mode identification and grading.

The high definition camera, based on medical endoscope technology, reduces the working distance to 12mm compared to 140mm, which is typical with a microscope. This is of critical importance when testing ultra fine pitch or small geometry bonds, improving test consistency. The system replaces the microscope for ball shear applications.



Borescope Imaging System



Field of view as seen through the borescope

## Specifications

Borescope camera resolution	1600 x 1200 pixels
Measurement tools	Horizontal linear measurement between points User adjustable fields are font colour and size, font background colour and transparency, line colour and weight. The user can also reposition the measure value box
Magnification	1360x Magnification is based on a 17inch screen with a resolution of 1440x900 pixels and the camera window maximised to use the full display
Field of view	270um - 300um Horizontal when the camera window is maximised to full screen

## Further Information

- A Z adjustable working height workholder is necessary
- USB connection
- Compatible with the 4000*Plus* bondtester
- The borescope imaging system has the part number 4000PLUS-BORESCOPE
- Full technical support is available worldwide

For more information,  
please contact your  
Nordson DAGE regional office  
or speak with your  
Nordson DAGE representative,  
all of which are listed on  
[www.nordsondage.com](http://www.nordsondage.com).

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