

# CEI-1000A

## Optical Connector End Face Auto Flaw Inspection Instrument

### Fastest Measuring Time of 2.5 Seconds

Defects can be judged in an amazing 2.5 seconds, including auto focusing.

### High Sensitivity/High Resolution Defect Recognition

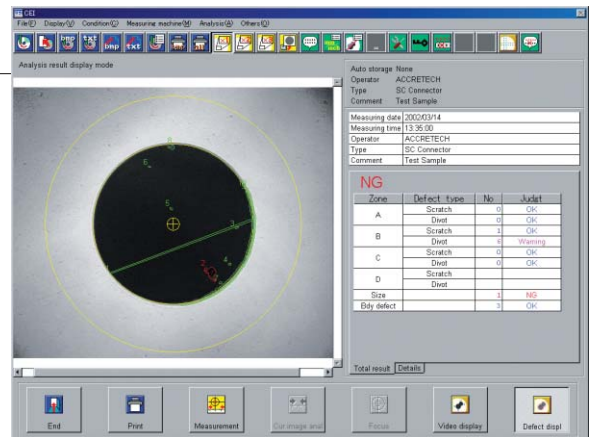
Even defects where the brightness difference is minimal and very fine detects can be recognized.

### Two Optical Systems

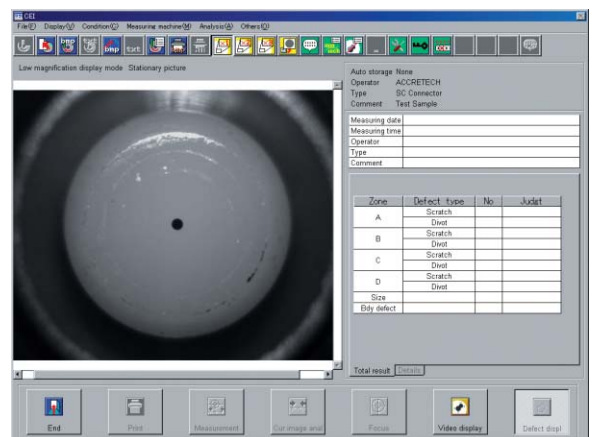
The provision of two optical systems (one with high magnification and one with low magnification) enables observation of the surface cladding periphery to the overall connector end face.

### Easy to Use/Various Analysis Functions

Measuring and changing of magnification on the CEI-1000A can be performed by touching a single button, and it has a host of analysis functions.



High magnification display



Low magnification display



## ■ Features

### ■ Windows 2000 Based

The adoption of Windows 2000 provides a stable operating environment and high compatibility with other computers. In addition, the user interface for the analysis software complies with the Windows user interface protocol, allowing the program to be used with icon and the tool bar.

### ■ Easy to View Analysis Screen

An easy to view screen display format is provided for OK/NG judgment results, contour display of each defect, display of boundary lines and display of the size and number of defects in a table.

### ■ Auto Focus Function

The high-speed focus function quickly focuses on the surface cladding when performing high-magnification observation.

### ■ Image/Result Print Function

The analysis results and images can be printed in three different easy-to-view layouts.

### ■ Video Display Function

The connector end face can be observed live on the screen.

### ■ Zoom Function

A digital zoom function is provided that enables the displayed image to be magnified by approximately 2,000 times. The screen layout can be changed to display the entire image on the screen.

### ■ Judgment Reference Setting Function

The analysis range and judgment reference can be freely set according to the requirements of different standards or independent user standards. The set standard can be stored and read.

### ■ Cursor Display Function

A line cursor can be superimposed on the image and freely moved, facilitating detailed analysis of flaw dimensions.

### ■ Filing Function

In addition to measured data, image data can be displayed in bit map format and analysis results can be stored in text file format. Displayed images and analysis results can easily be pasted into WORD or EXCEL using the clipboard.

### ■ Auto Store Function

The measured results can be automatically stored without individually storing them. The auto store setting can be set to only store the values for NG judgments.

### ■ Customize Functions

The CEI-1000A has a host of customize functions, including flaw number display existence, color setting for zone boundary line and image contour enhancement.

### ■ System Manager Mode

The various settings are protected so that cannot be easily changed. The proper password must be entered to activate the system manager mode in order to change settings.

## Specifications

Model	CEI-1000A	
Measuring principle	Optical microscope	
Inspection mode	High magnification	Low magnification
Display magnification (max.)	Approx. 800 times (Approx. 2000 times)	Approx. 50 times (Approx. 150 times)
Flaw detect function	Auto detect	Visual inspection
Applicable connectors	SC/MU	
Operating system	Windows 2000	
Measuring items	Surface flaws, dents, chipping, pin holes, chips, dirt, adherence of minute particles, chips or dirt on boundary line, any extruding epoxy material	—
Processing functions	Auto focus function	—
	Video display function	
	Print function	
	Cursor display function	—
	Judgment condition setting function	—
	Enlarged display function	
	Auto store function	—
System manager function		
Power source	Single phase AC 100V ±10%, 50/60 Hz	
Power consumption	200 VA	
Unit dimensions	401 (W) × 415 (D) × 214 (H) mm (excluding personal computer)	
Weight	Approx. 20 kg	

\* This product was jointly developed with NTT Advanced Technology Corporation.