

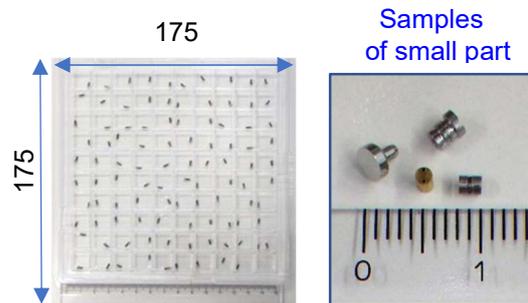
## Precision Inspector: Micro Component Discriminator

### 1. The Precision Inspector

We have developed the **Precision Inspector** for discriminating foreign parts accidentally included middle of a processing. We have **used a microscope to check all the parts** we produced because they are too small to identify by naked eyes, which is a nerve abusing job. For avoiding possible overlooking to deliver only quality products to clients, we have developed this *automated micro component discriminator*.

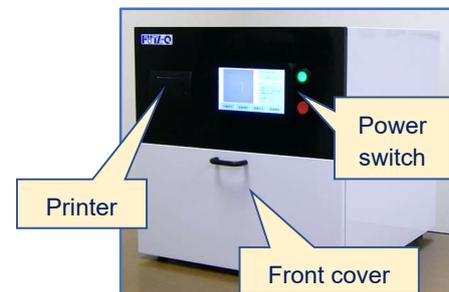
### 2. Measurable parts

- Part materials: stainless steel, titanium, plastics, etc.
- Test tray size: square 175 mm on an outer side (the photo on the right)
- Discriminable part length: 1 to 5 mm long
- Resolution: 0.008 mm
- Standard tray: 100 parts can be placed (The number of parts placed on the tray is counted automatically using the overview camera.)



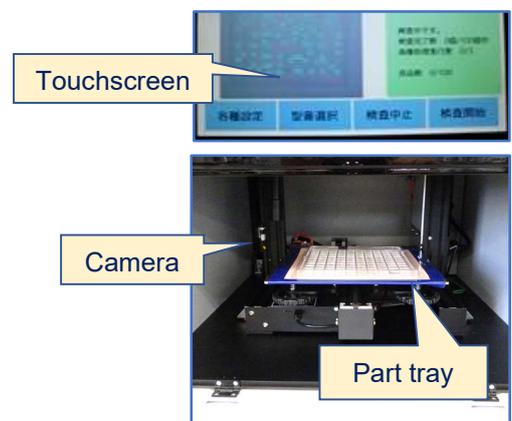
### 3. Specifications

- Equipment dimensions: W 500 × H 500 × D 520 mm
- Overview camera: 1.2 million pixels for part positions
- Inspection camera: 4.5 million pixels with AI function
- Camera movement: 2 axes in up/down and left/right
- Parts tray movement: back and front
- Safety switch is installed on the front cover.
- Cycle time: 2 sec per part



### 4. Operation

1. Select a master part from the pre-registered part list by pressing a touch screen button.
2. Open the front cover to set the part tray on which parts are arranged.
3. Close the cover and press "Start Test" button on the touch screen.
4. After auto measuring process is finished, the result is displayed on the screen.
5. The measurement results are printed out.
6. Take out the parts tray.



**FUTA-Q Co., Ltd.**

URL <https://futaku.co.jp>

E-mail [futaku-info@futaku.co.jp](mailto:futaku-info@futaku.co.jp)

[ Headquarters ]  
33-3 Karahashi-keiden-cho, Minami-ku, Kyoto  
City, Kyoto Pref. 601-8454  
Tel: +81-75-661-2931

[ Tokyo Office ]  
San-Roze Musashino No.501,  
1-2-9, Naka-cho Musashino-shi 180-0006  
Tel: +81-422-27-7629