

In-house Developed Inspection Equipment

1. The necessity of the development of inspection equipment

FUTA-Q is developing and producing testing & measurement equipment for in-house use to improve our production quality furthermore. Commercially available equipment having sometimes insufficient specifications for our requirements, we are often using our own making machines to satisfy our client requirements.

2. Improved specifications of Precision Inspector (**micro component discriminator**)

The Precision Inspector, micro component discriminator, can automatically discriminate small parts with a different size or shape which have been mixed accidentally during the manufacturing process, using a sensor with AI recognition.

Improved specifications:

- Registration function for 128 kinds of parts, which enable a stable inspection in a small lot multi-kind production by eliminating individual variations in inspecting accuracy.
- The compact size of the machine: 444 W, 532 D, and 477 mm H
- Equipped with Windows 10 and the large-sized touch screen with the feeling as though one is handling a personal computer
- Network correspondence for remote management
- Easy replacement of a part tray by the drawable testing table

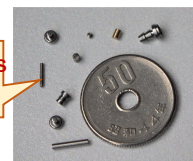


Micro component discriminator



The part tray pulled out

Micro components with the size of 1



3. Other in-house developed measuring equipment

- A. PipeEndoscope, **non-destructive inner surface inspector**: Inspection equipment for foreign objects and scratches on the inner surface of a small pipe using fine fiber scope with the diameter of 0.35 mm. Please refer to FUTA-Q Technical Information Vol.24.
- B. **Small size universal tester**: Tensile testing equipment for a welded or joined area of small components. Please refer to FUTA-Q Technical Information Vol.25.
- C. **Residual contaminant inspector**: Inspection equipment for residual contaminants in a nozzle, equipped with a high precision syringe pump. The evaluation of a nozzle can be done under an environment close to a use environment of a client.



A. Non-destructive inner surface inspector



B. Universal tester



To be introduced in more detail

C. Residual contaminant inspector

FUTA-Q Co., Ltd.

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

E-mail 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