

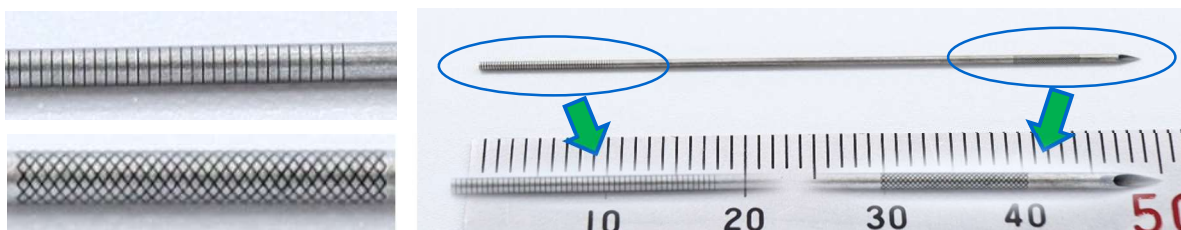
Fine Processing with Ultrashort Pulse Laser

1. Ultrashort pulse laser processing

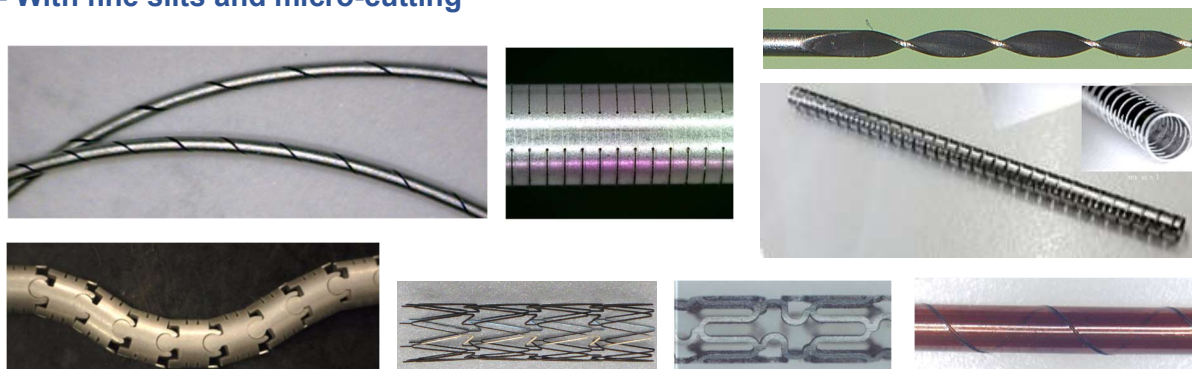
One of our specialty technologies is processing small-diameter pipes and wires with ultrashort pulse laser such as picosecond or femtosecond lasers to fabricate micro shapes and fine patterns on the pipes/wires while minimizing the thermal effect on the materials. Examples below are fine-processed product samples processed with our ultrashort pulse laser processing machines.

2. Product samples

- With fine grooves and half-cutting



- With fine slits and micro-cutting



- With fine through-holes, dimples, and a stepped shape



3. Specification of our ultrashort pulse laser processing machine

- Processed materials: stainless steel, titanium alloys, NiTi, polyimide
- Outer diameter of material: 0.2 – 30 mm
- Maximum length of material: 1.8 m
- Laser processing diameter or groove width: 0.02 mm
- Laser processing depth: 0.01 – 0.5 mm



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]
 Mitaka-myajo-palace 3F,
 1-1-3, Kamirenjaku Mitaka-shi,
 Tokyo 181-0012, Japan
 Tel: +81-422-27-7629