

Product/technology Analysis by Scanning Electron Microscope

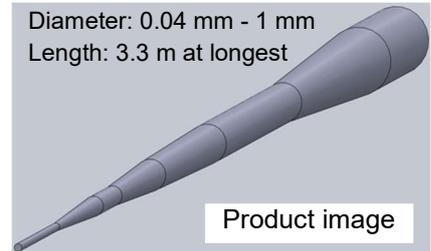
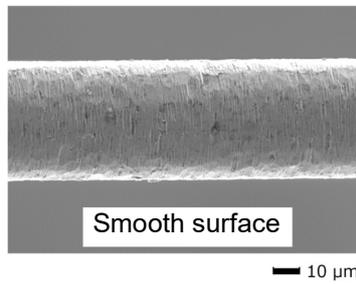
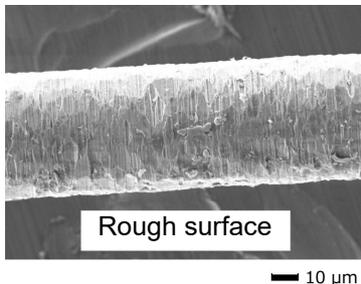
1. Application examples of SEM

This paper is showing the application examples of our SEM, scanning electron microscope which has an energy dispersive spectrometry (EDS) for quantitative analysis of elements. We are utilizing the analysis results for developing and improving our machining techniques, optimizing the production conditions, and certifying our products.



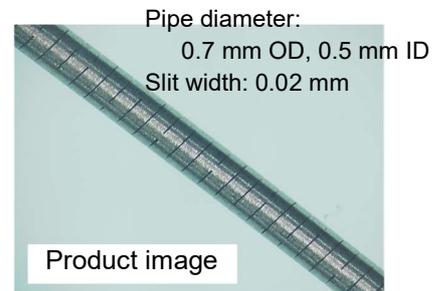
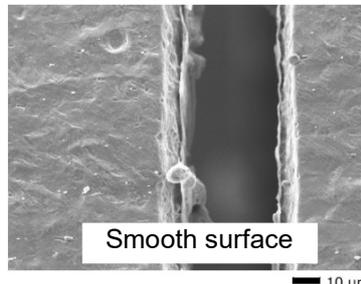
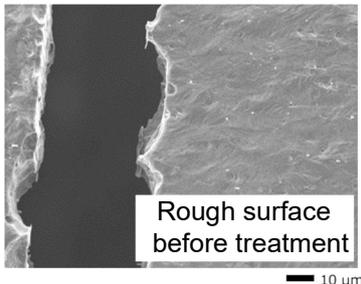
- Multistage long-taper small-wire (including medical use)

Checking the surface state of a tapered wire with $\Phi 0.04$ mm of SUS304V.



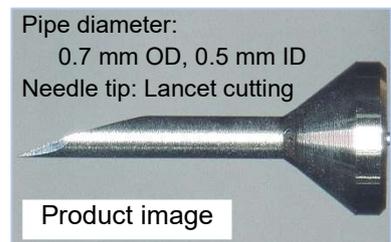
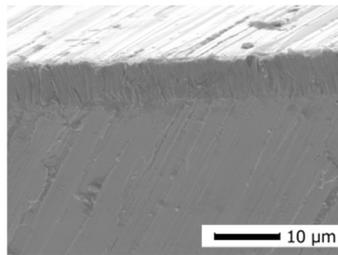
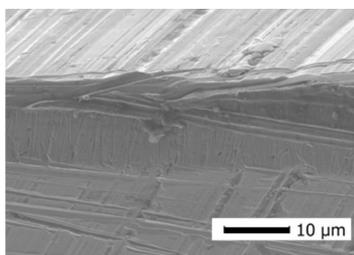
- Pipe with slitting machining (including medical use)

Checking a slit form of micron-level on a small Ni-Ti pipe.



- Needle tip (including medical or analysis use)

Checking a needle tip of SUS304.



Rough edge

Sharp edge

Needle: β -titanium
Flange: pure-titanium

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