



Precision glass cutter • **ULTILE**

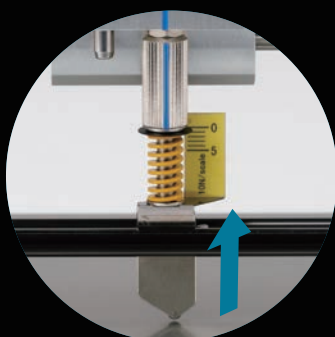
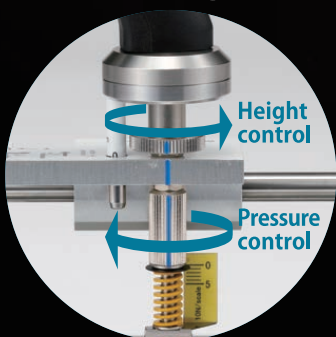
ULTILE



Perfect cut every time

For various experimental substrates

The pressure and the height can be easily set according to the substrate thicknesses.



Astellatech



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Specifications

Product number	Carbide laser wheel	FU-100-CL	FU-200-CL	FU-300-CL	FU-400-CL	FU-500-CL
	Diamond laser wheel	FU-100-DL	FU-200-DL	FU-300-DL	FU-400-DL	FU-500-DL
Suitable thickness		0.05mm ~ 3.0mm				
Adjustable range of spring pressure		0 ~ 50N				
Adjustable range of wheel cutter height		0 ~ 5mm				
Maximum cut length		110mm	210mm	310mm	410mm	510mm
Total length of wheel cutter		26 ± 0.05mm				
Base plate material		Anodized super-flat aluminum alloy plate				
Dimensions (mm)		W 210 D 210 H 136	W 310 D 310 H 136	W 410 D 410 H 136	W 510 D 510 H 136	W 610 D 610 H 136
Weight (kg)		1.37	2.41	4.25	5.19	7.04

※ Either a carbide laser wheel or a diamond laser wheel is included in the product.
Please use a wheel cutter suitable for your substrate thickness and material when you desire clearer fracture surface for SEM observation or other purposes.

Options

1. Magnetic substrate guide for Precision glass cutter • ULTILE

Magnetic substrate guide with the ruler allow you to easily and accurately control the substrate cut-size as well as keep the substrate free from contamination (without having to touch it with your fingers).

	Magnet	Attraction force	Dimensions	Magnetized surface area
	Neodymium cap	7.45kgf	W25 × D38 × H18mm	25mm × 35mm

2. Option blade for precision glass cutter • ULTILE

We offer 8 different blades for various uses. Fine type will give a very fine cross section. High penetrating type can be used for a wide range of thicknesses. Diamond wheel can cut hard materials (quartz, sapphire, SiC, etc).

 Carbide wheel	Blade	Carbide wheel for ultra-thin substrate	Carbide wheel for thin substrate	Carbide wheel for standard substrate	Carbide laser wheel
	Type	Fine			High penetrating
	Thicknesses of target substrate	0.15 ~ 0.5mm	0.5 ~ 1.3mm	1.1 ~ 3.0mm	0.05 ~ 2.0mm
	Color / stamp	Silver • U	Silver • T	Silver • N	Silver • LASER
 Diamond wheel	Blade	Diamond wheel for ultra-thin substrate	Diamond wheel for thin substrate	Diamond wheel for standard substrate	Diamond laser wheel
	Type	Fine			High penetrating
	Thicknesses of target substrate	0.15 ~ 0.5mm	0.5 ~ 1.3mm	1.1 ~ 3.0mm	0.05 ~ 2.0mm
	Color / stamp	Black • U	Black • T	Black • N	Black • LASER

※ The stamp can be found near the threaded screw hole for fixing the wheel.
※ The thicknesses of target substrate is for the case of soda-lime glass.