



Precision glass cutter • **ULTILE**

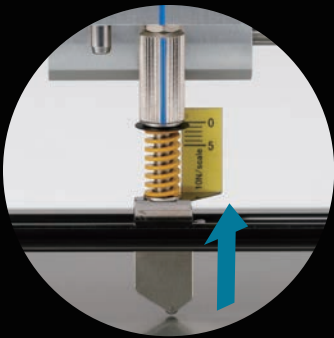
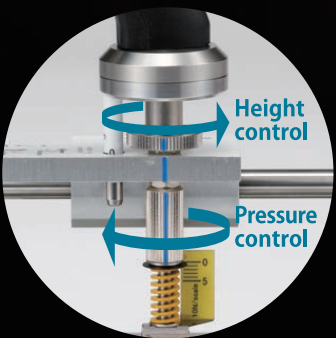
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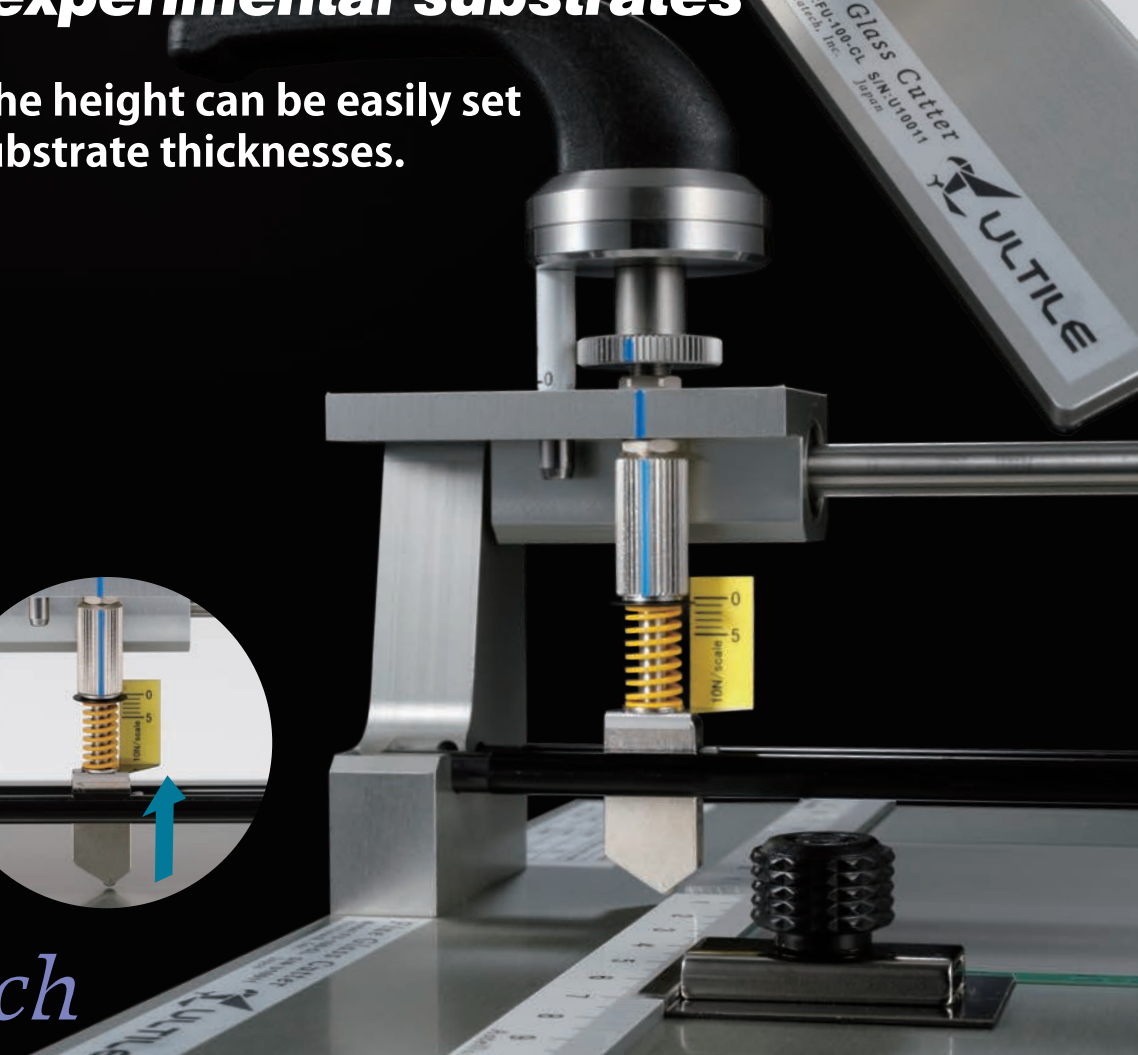
Perfect cut every time

For various experimental substrates

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



Astellatech



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				
Cut length		100mm	200mm	300mm	400mm	500mm

※ Either a carbide laser wheel or a diamond laser wheel is included in the product.
 ※ Capable change to a normal type wheel cutter.

Options

1. Blade



Carbide wheel cutter



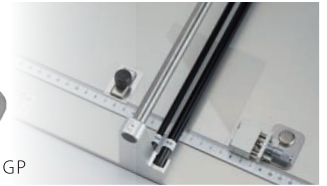
Diamond wheel cutter

Type	P / N	Thicknesses of target substrate	Color / stamp	P / N	Thicknesses of target substrate	Color / stamp
Normal	Carbide wheel for ultra-thin substrate (CU)	0.15~0.5mm	Silver / U	Diamond wheel for ultra-thin substrate (DU)	0.15~0.5mm	Black / U
	Carbide wheel for thin substrate (CT)	0.5~1.3mm	Silver / T	Diamond wheel for thin substrate (DT)	0.5~1.3mm	Black / T
	Carbide wheel for standard substrate (CN)	1.1~3.0mm	Silver / N	Diamond wheel for standard substrate (DN)	1.1~3.0mm	Black / N
High penetrating	Carbide laser wheel (CL)	0.05~2.0mm	Silver / LASER	Diamond laser wheel (DL)	0.05~2.0mm	Black / LASER
Dimensions / 26 ± 0.05mm						

※ Normal type is suitable for getting smooth fracture surfaces.
 ※ High penetrating type can be used for a wide range of substrate thicknesses.

※ Diamond wheel cutter can cut hard materials (quartz, sapphire, SiC, etc).

2. Magnetic substrate guide



Type	P / N	Dimensions	Type	P / N	Dimensions
Standard	MG	25×35mm	Precision	MGP	32×42mm
	MGL	30×110mm			
	MGU	30×160mm			

※ We recommend you get two magnetic substrate guides to hold the substrate.
 ※ MGL and MGU are for the wafers.

※ The precision magnetic guide enables the user to cut in an accuracy less than 0.1mm
 ※ It can further adjust and cut the substrate in an accuracy of $\pm 30 \mu\text{m}$ using a caliper.

3. Positioning Magnifier



LP



LHS



LHC

Type	P / N	Dimensions	Type	P / N	Dimensions	Type	P / N	Dimensions
Dedicated magnifier	LP	22mm (Lens diameter)	Holder for scale magnifier	LHS	30mmΦ×95mm	Magnifier holder for checking cutting position	LHC	30mmΦ×56mm

※ Magnification is ×5.

※ These holder are designed for use with a dedicated magnifier.

4. Option parts for small-sized glass/substrate



Type	P / N	Dimensions	Type	P / N	Dimensions
Slide holder for small-sized substrates	SSH-A	35×30×15mm	Running tweezers	TSB	112×9×7mm

※ Use the magnetic substrate guides to hold the substrate from both ends.
 ※ Compatible with the substrates from 4 to 10mm.

※ Running tweezers can easily break the small substrates and Si wafers.
 ※ Hold the upper part of the running tweezers when using it.

Contact us when you have inquiries or you want to place an order for the products.



e-mail contact@astellatech.co.jp

https://www.astellatech.co.jp/glass_cutter/english.html

Astellatech, Inc.

Ide 7th Building 5th floor, 2088, Noborito, Tama-ku, Kawasaki-shi, Kanagawa 214-0014, JAPAN

