

# Laser Precision Processor (General Purpose Type) AliCUT - DS

Item	AliCUT - DS
Purpose	Low cost version
Basic performance	Size: 8 inch wafer      Work piece in and out: manual Alignment by pattern recognition: available
Work piece	LED, mold chips, glass epoxy, thin plates (sapphire, glass, quartz, coated filter, transparent materials), etc.
Shapes	Thickness: < 1mm      Pattern size: > 0.1mm Scribed groove: width > 5 μm, depth ~ 30 ~ 1000 μm
Regulation	Class II (laser)

Item	Remarks	
Laser	YAG laser or Fiber laser	
Optics	Coaxial optics	Spot size: < 7 μm      mask, wave plates
Stage & actuators	X, Y, Z, axis	
Controller	Semi-automatic Recipe tabulation	Free drawing Pattern recognition
Utility	Blow nozzle	Vacuum port
Operation	Stage speed: < 300 mm/s	

## Options

Item	Type	Remarks
Optics	AliFOC-G-S	Scribe
	AliFOC-G-T	Full cut
	AliFOC-G-F	Flat beam
	AliTRANS L	Linear beam
Longer time operation	AliALIC	Light controller (patent pending)
	AliTF	Automatic dust stopper (patent pending)
	AliDB	Dust blower
Process Recipe	AliPD - S	Scribe (V-shape)
	AliPD - I	Free drawing
	AliPD - IM	Thick transparent materials (patent pending)
Attachment	AliAB - 8	Breaking machine (8 inch wafer)
Language		Japanese/English

## Support system

Item	Comments	Remarks
Training	In our company and customer's site	By way of demonstration machine and particular products
Guarantee	One year after delivery	The consumable and disclaimer are excluded
Maintenance	Annual contract	Periodic maintenance is included.
Trouble	Quick response	Laser units replaced on the site
Technical consultation	Presentation of recipe for new materials	New recipe request to support service
Consumable	· Laser plate, dust prevent window (on occasion) · LD, optics (not frequent)	· By user · By manufacturer

\* General purpose type

This type is manual semi-automatic processor which has made after long term experience of laser processing works, and intends to be supplied at inexpensive price. In contrast with in line production system it has neither loader-unloader system nor spinner. (Contact: products@alinc.jp Tel.0774-98-3300)