



Solar Cell Scribing System



Solar Cell Scribing System

Applications:

- Scribing
- Cutting of Wafers
- Ablation
- Edge Isolation
- Percussion drilling
- Marking
- Contacting / soldering
- Edge deletion



SPECIFICATION

Model	SCRIBO-SLD	SCRIBO-SLF
Laser	Diode Laser	Fiber Laser
Frame Design	Modular	Compact
Laser Wavelength	1064 nm	1064 nm
Transverse Mode	TEM ⁰⁰	TEM ⁰⁰
Beam Quality	M ² < 2.0	M2 < 1.5
Average Power	75 W	20 W
Resolution	5 micron	1 micron
Line width	< 30 micron	< 30 micron
Repeatability	≤ 3 microns	≤ 3 microns
Max. Scribing Speed	140* mm /sec	140* mm/sec
Laser repetition freq.	100 Hz to 100 KHz	1 KHz. to 80 KHz
Axis (mm)	175 x 175 / 312 x 312	175 x 175 / 312 x 312
Controller	PC based	PC based
Cooling	Water cooled	Air cooled
Dimension (mm)	2000 x 807 x 1700	1300 x 1125 x 1450
Connected Load	230V/50Hz - 115V/60Hz, 1.84 KW	230V/50Hz - 115V/60Hz, 0.46 KW
Camera	In-built	In-Built
Z Axis	Manual	Manual
Software	Dedicated software for solar cell cutting application	Dedicated software for solar cell cutting application

* Depend on material

Optional Accessories: Z Axis motorised • Dynamic vacuum system • Fume extractor • Laser goggles



An ISO 9001:2008
certified company

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SLT

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Innovative Solar Cell Scribing System

