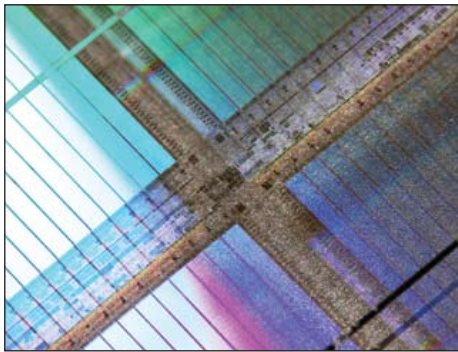




# Green laser solutions for the solar industry

Control Laser has developed laser processing techniques for scribing and patterning solar panels with extreme precision. By understanding the complex nature of the materials and how delicate this process is, we have carefully created systems that can successfully remove portions of the top thin film layer without damaging layers underneath. Utilizing the power of our laser technologies, we are able to successfully process many applications the solar industry demands.



## Types of Applications:

- Laser patterning on thin film solar cells' semiconductor light absorber
- Edge isolation (scribing) on crystalline silicon solar cells to improve cell efficiency
- Micro-Via (hole) drilling for advanced solar cell assembly
  - LFC (laser fired contacts)
  - EWT (emitter wrap through)
- Laser Marking of solar components
  - Date codes, Lot codes, Tracking
  - Bar codes, Data Matrix
- Wafer Marking - Over 700 systems worldwide



OVER 40 YEARS OF LASER EXPERIENCE YOU CAN TRUST

[WWW.CONTROLLASER.COM](http://WWW.CONTROLLASER.COM)

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