

solneva

Introducing Solneva LST-5™ Series

A Quantum Leap in Laser Scribing Efficiency



Solneva LST-5™ Series

Delivering highest workflow efficiency

Combining Swiss machine tool and laser expertise with process and technology know-how from leading universities, Solneva has developed and perfected a new and innovative approach to laser scribing in Thin Film solar cell manufacturing. Compared with conventional systems, Solneva tools offer tangible and significant customer benefits at best Cost of Ownership.



The Solneva LST-5™ Series

LST-512 with Infrared and Green laser for P1, P2 and P3 scribing, designed for engineering and process development

LST-51 with Infrared laser for P1 scribing for production purposes

LST-52 with Green laser for P2 and P3 scribing for production purposes

Benefits

Breakthrough technology with sub 200µm dead zone for ultimate productivity

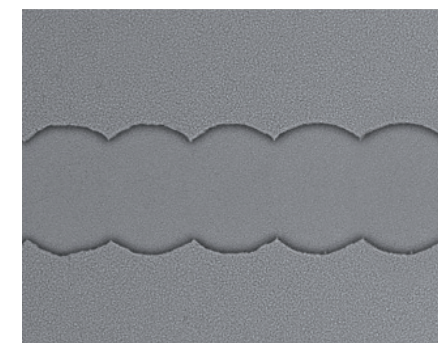
Highest precision controlled laser movement

Fiber-based laser solutions with no free beam optics

Proven machine base design

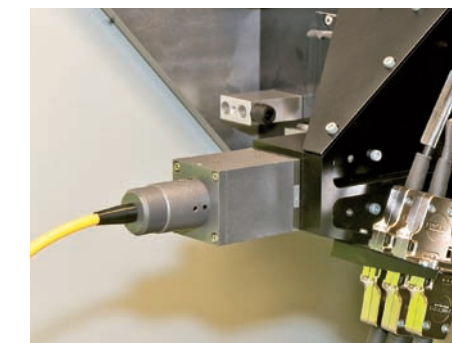
Unique glass handling system holds glass in fixed position during scribing process

Compact machine design for fast setup on smallest footprint



P3 Scribing

ZnO on glass / a-Si / ZnO / Speed up to 2 m/s



Laser

Fiber based beam delivery

Up to **2.5%** gain on active area with reduced dead zone (ref 450µm)

Up to **15%** improved machine uptime

– Reduced time to setup and align optics

– Reduced engineering time

Up to **10%** reduced TCOO/Watt

– Superior productivity

– Lowest fixed cost

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Solneva is a privately held Swiss based company serving the solar industry with innovative and highly reliable tools for laser based applications in the Thin Film solar industry worldwide. Based on responsive and well founded market feedback, Solneva constantly advances its technology and raises industry standards.

simply more efficient.

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