

Stinger LABWARE LASER ENGRAVER



- *Permanent indelible marking*
- *Imprint true-font text, graphics, logos, 1D barcodes, 2D barcodes, and more*
- *Tunable laser marks a wide variety of materials*
- *Easy integration into microplate handling and laboratory automation systems*
- *No consumables required*



The Stinger labware laser engraver is next-generation technology to provide direct indelible labware marking that is far superior to conventional printed labels. The Stinger marks directly on the labware surface, thereby eliminating the possibility of adhesive-backed labels becoming damaged or detached due to poor adhesion, humidified environment, ULT freezing, centrifugation, solvent contact, water bath thermal cycling, or other interferences that typically plague print-and-apply labelers. Adhesive labels, ribbons, thermal paper or any other types of consumables are not needed.

Flexible laser positioning allows text, graphics and barcodes to be placed on both the long side and short side of labware, with the imprint area not being constrained by a label size. Software controlled laser operating parameters provide

optimum marking performance on a wide variety of microplate materials, colors, and heights. The automatic enclosure provides complete protection from laser radiation while allowing safe viewing of the marking operation. The rotating plate pad allows the Stinger to easily process plates in portrait or landscape mode, and the compact footprint permits easy integration into laboratory automation systems.

The Stinger provides the ultimate in cradle-to-grave microplate traceability. Its direct indelible marking provides a complete consumables-free solution for the most demanding applications in manufacturing, drug discovery, genomics, and diagnostic applications.

Key Features and Benefits

- Permanent indelible marking cannot be washed off.
- Compatible with all barcode formats.
- Compatible with most metals, opaque plastics, and paper labels.
- Rotating plate stage allows microplate entry and exit in any orientation.
- Easily integrated into microplate handling and laboratory automation systems.

Applications

- Assay Automation
- Compound Management
- Biobanking
- Genomics
- Clinical and Veterinary Diagnostics
- Microplate-based Manufacturing



General Specifications

Stinger	
Height	409 mm [16.1 in]
Width	259 mm [10.2 in]
Depth	559 mm [22.0 in]
Weight	30.4 kg [67 lbs]
Loading	Portrait and landscape Teachable at any angle of rotation
Throughput for 1 Barcode	10 seconds/plate
Throughput for 12 Barcodes	35 seconds/plate
Maximum vessel height	36 mm for short side engraving 66 mm for long side engraving
Sides for Engraving	NESW
Supported Labware*	ANSI 1-2004 compatible
Barcode Formats	Unlimited
Laser	Class 4
Operating Temperature	15°-35°C
Humidity	10 – 85%, non-condensing
Software	Windows 7
Communications	USB 2.0
Electrical	Input Voltage: 90–260 VAC, Input Current: 1.8A @ 115VAC 1.0A @ 230VAC Frequency Range: 50/60 Hz

*It is recommended to test labware prior to ordering

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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