

SAATI LTS 8012E

Ultra Precise **Laser Matrix** Imaging & Exposure Unit

Description

Self-contained, super high efficiency direct laser computer-to-screen imaging & exposure unit, operated by PC, with optional RIP. Third generation LTS technology employs a scanning laser diode matrix that renders high resolution and definition images, including crisp halftones up to 100lpi, and requires no special calibration.

Applications

Designed to efficiently image and expose one screen up to 1200 x 1500 mm | 47.2 x 59" or two screens up to a maximum size 635 x 915 mm | 25 x 36" without vacuum or film positives.

Characteristics

- Vertical glassless design with safety shutter
- 128 laser matrix with 1270 DPI resolution toggle – exposes faster with more precision than previous iterations
- Rapidly exposes all emulsions and stencil films with high precision, including dual-cure & high density stencils $\geq 700 \mu\text{m}$
- Easy to use software, compatible with many RIP programs
- Utilizes 1-bit TIFF file format
- CE Certified



The most precise package of components and technologies in any LTS unit to date creates the highest quality stencils – with even less maintenance and calibration



Water cooling system keeps temperature down – for the longest possible laser life



128 Laser Matrix is both faster and more accurate – the best resolution/definition yet

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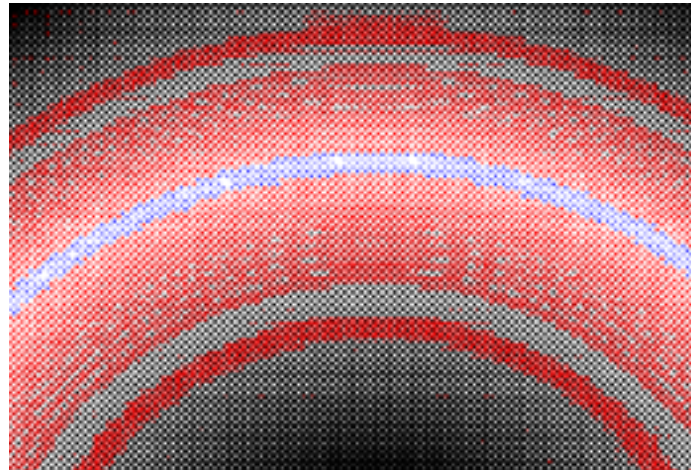
Ultra Precise **Laser Matrix** Imaging & Exposure Unit

Features/Benefits

- Ultra precise CtS exposure, capable of 100 LPI halftones
- Dedicated & individual frame clamping for easier & more accurate frame handling when simultaneously imaging multiple screens
- Both upper & lower frame holder rails are digitally adjustable and programmable, to easily accommodate changing screen sizes
- Upgraded encoder, drive and mechanical systems, for precise pixel placement with high-definition images
- Highest precision image placement with ± 1 micron accuracy
- Digitally process image files directly to screens, without film positives or consumables
- Edit existing RIP files with powerful AI software tools to further optimize print quality
- Low power consumption for minimized costs
- 10,000+ hour laser life and easy, low cost maintenance

Specifications

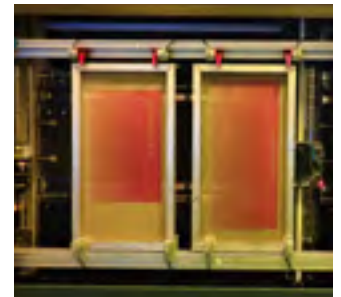
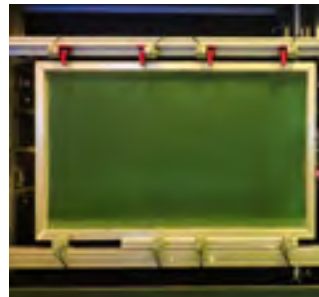
- Maximum Image Size: 800 x 1200 mm | 31.4 x 47"
- Maximum Frame Size: 1200 x 1500 mm | 47.2 x 59" or 2 screens up to 635 x 915 mm | 25 x 36"
- Machine Dimensions: 2760 x 915 x 1980 mm | 108.7 x 36 x 78" – allow an additional 23" for adjustable monitor arm
- Weight: 1850 kg | 4078.6 lb
- Compatible with 110V or 220V input
- Requires compressed air for pneumatic clamps (90 PSI/6.205 Bar, less than 1 cfm)
- One Year Warranty



Intelligent software tools can analyze images and compensate pixel by pixel to ensure a more faithful image replication on press. Colors indicate augmentations and reductions in tones



128 Laser Matrix scans and steps across the image area at high speed with low power requirements



Process large single frames or any two frames of the same size up to 1200 mm / 47.2" tall

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