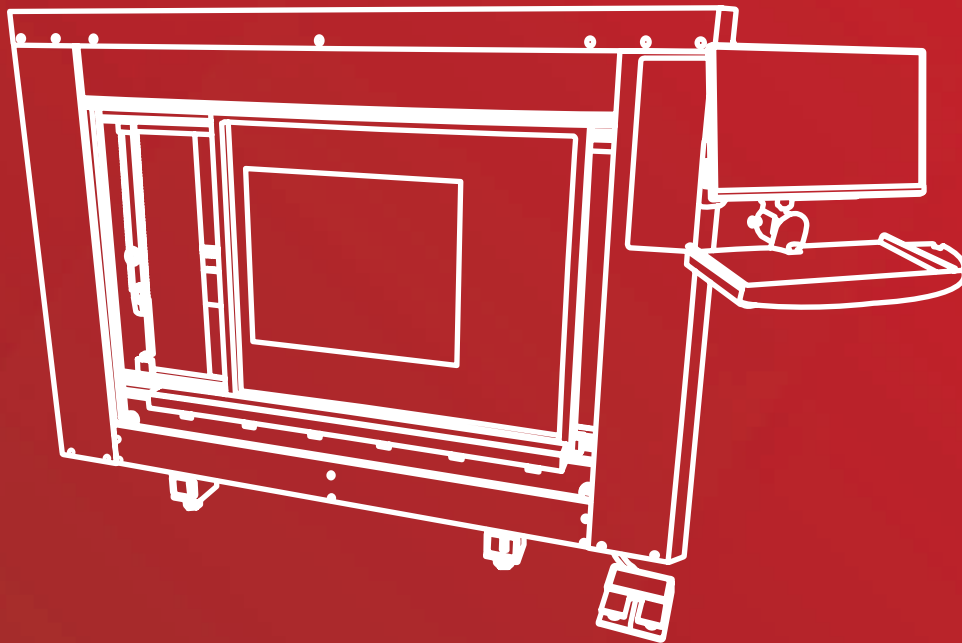


ST. LOUIS | ATLANTA | NATIONWIDE

The Lawson

GUIDE TO LASER-TO-SCREEN (LTS)

Screen Imaging Devices



LAWSON

SCREEN & DIGITAL PRODUCTS, INC.

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Trusted Since 1949

Lawson serves the imaging community by helping people print better, work smarter and learn more. Lawson provides quality equipment, consumables and comprehensive support.

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The most comprehensive and easy-to-use eStore in the screen and imaging industry. Thousands of items in stock, accurate pricing, technical information, used equipment, special deal pricing, and "How-to" videos: golawson.com.

SERVICE | INTEGRITY | PURPOSE | CONSULTATION | ACTION | LISTEN

THE LAWSON GUIDE TO LASER-TO-SCREEN (LTS): WORKFLOWS

LTS IMAGING IMPROVES YOUR PRE-PRESS PROCESS:

No Combustibles



Save Money
Stop paying for media to image your screens.



No Environmental Impact
No masking material like ink or wax goes down the drain - avoid the use of plastic film.



Spring Cleaning
Save space - eliminate storage for film and/or masking media.



Precision Imaging
CTS Inkjet liquid drops spread before drying - direct laser imaging has higher fidelity.

Direct Lasers



Precision Choices
Five DPI options let you choose the highest resolution or the shortest cycle.



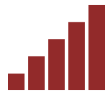
Long Life
Lasers have operational lives of over 10,000 hours at 100% strength.



Flexibility
Compatible with all emulsion and film types.



Simplified
Save time by eliminating film pinhole checks and registration. Image & expose in one quick process.



Power Settings
Quickly and thoroughly cure even very high EOM dual-cure emulsions.

Digital Workflow



Digital Archive
Keep an archive of art files, save registration settings and duplicate programs to improve workflow.



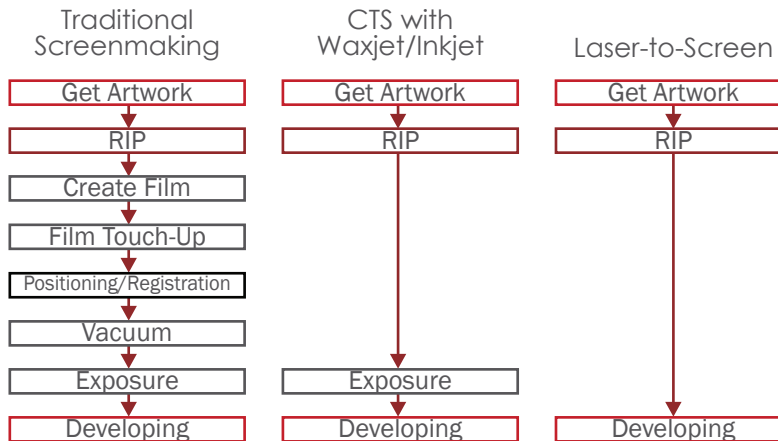
Faster Processing
Prepare art files and create stencils immediately - no film creation or checks.



Digital Registration
Eliminate difficulties by locking the frame into place and setting the laser start position digitally.

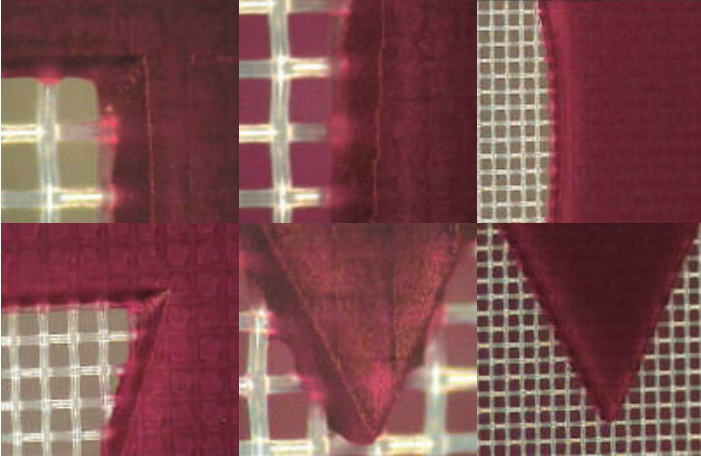
WORKFLOW CAPABILITIES:

Improvements to Workflow

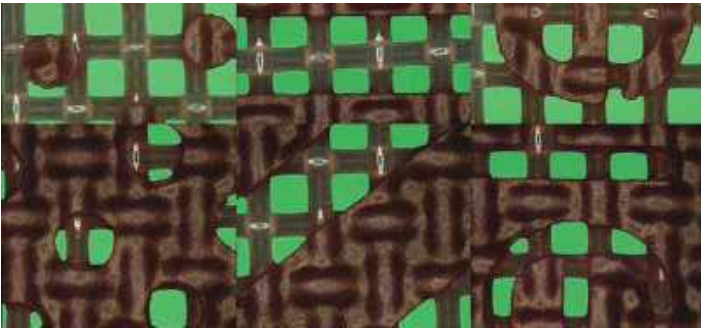


THE LAWSON GUIDE TO LASER-TO-SCREEN (LTS): SCREEN RESOLUTION

PRODUCE THE BEST SCREENS:



Up-close images of the LTS system after imaging. Notice the sharp lines across the emulsion and mesh.



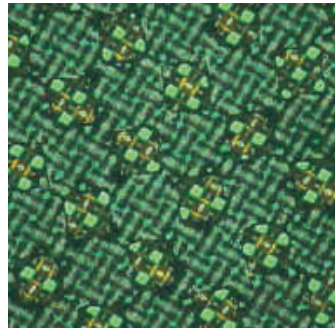
Mesh 110 coated with SBQ 1077 using 2,540 DPI setting.

RESOLUTION SETTINGS:

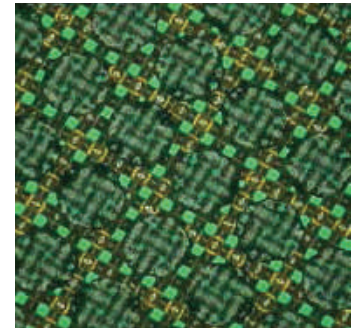
The LTS 6080-VF has five resolution settings, each tailored to different types of image requirements.

- 1.) 847 2.) 1016 3.) 1270 4.) 1693 5.) 2540

- Fastest processing times.
- Superior to inkjet/waxjet resolution.
- Superior to inkjet films.
- Equivalent to DLE systems.
- Superior to many other DLE systems.
- Image setter quality for the most demanding applications.



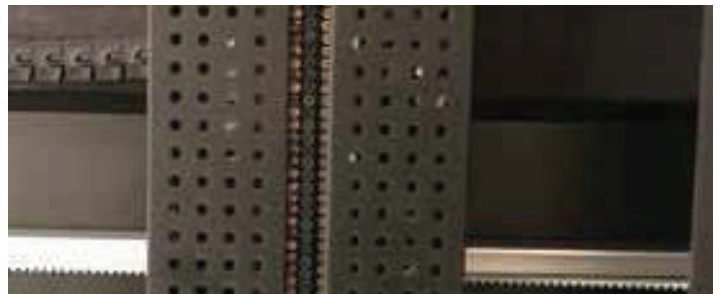
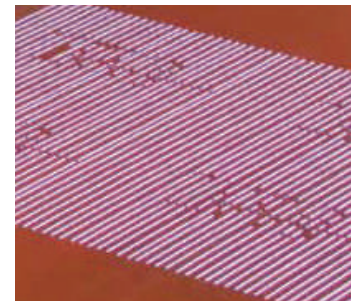
120 LPI 40% dot on 380.31 YE.



120 LPI 60% dot on 380.31 YE.

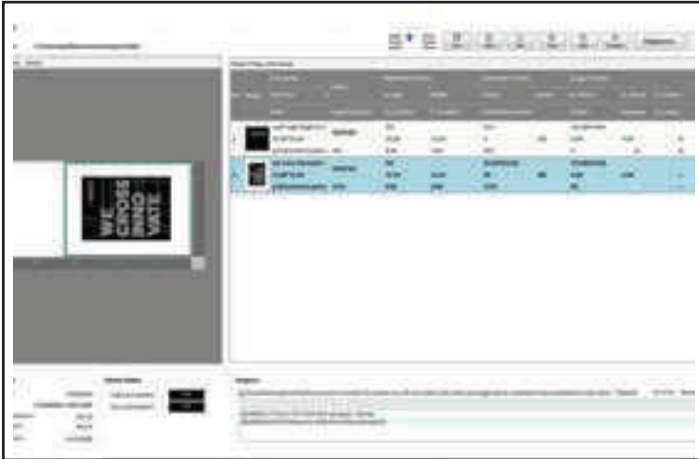
LASER CAPABILITIES:

- Linear array of 96 Blu-Ray Lasers on a belt-driven head. The system is durable and requires minimal maintenance.
- The targeted light wavelength of the lasers maximizes exposure speed and minimizes both power consumption and heat generation.
- LED Lasers last over 10,000 hours with 100% efficiency.



THE LAWSON GUIDE TO LASER-TO-SCREEN (LTS): USING THE RIP

SOFTWARE WORKFLOW:



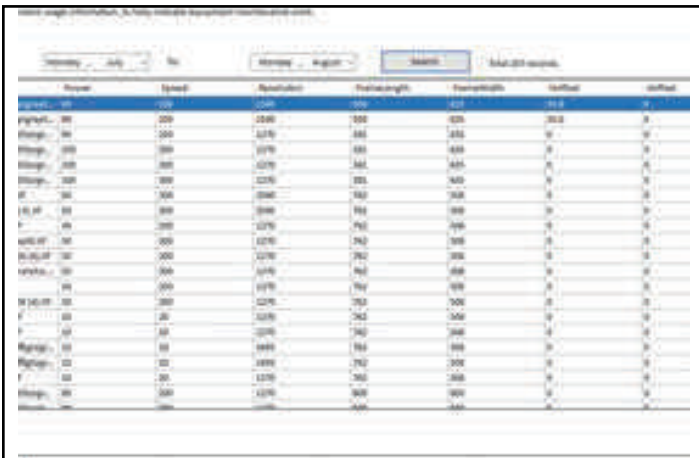
User Friendly Layout System

- Set size & location of image(s) and define exposure area.
- Place multiple stencil images across 1 or more screens. You can still gang up images with LTS.
- Finalized layouts go to queue for easy work management and operator use. LTS operator can simply load the screen and press start.



Exposure System

- Set the laser power and scan speed to effectively and thoroughly expose all emulsion and film types in under 3 minutes.
- Customize settings and/or create standard templates for future use.
- Proprietary file naming system can automatically loads Netframe, Image Pattern & Exposure settings (not required.)



Create Your Own Archive

- Processed file settings are saved.
- After screen imaging, layouts go to designated folder for archiving or deletion.
- Create your own file archive for easy retrieval through the search function.

THE LAWSON GUIDE TO LASER-TO-SCREEN (LTS): HARDWARE CHOICES

MODELS AVAILABLE:

LTS 6080

High Resolution Direct Laser Image & Exposure Unit



APPLICATIONS

Designed to efficiently image and expose screen printing frames up to a maximum size 25"x36" without vacuum or film positives.

CHARACTERISTICS

- Face down glass panel with enclosing lid
- 96 laser array capable of 2540, 1693 1270, 1016, or 847 DPI
- Exposes all emulsions and stencil films
- Easy to use software, compatible with many RIP programs
- Utilizes 1-bit TIFF file format

FEATURES/BENEFITS

- Very high resolution exposure capable of reproducing the most demanding image types
- Digitally process all types of PC & Mac design files in house with no film positives
- No consumables and low power consumption for minimized costs
- 10,000+ hour lamp life and easy, low cost maintenance

SPECIFICATIONS

- Maximum Image Size: 258" x 36"
- Overall Dimensions: 56" x 28" x 36"
- Weight: 882 lbs.
- Compatible with 110V or 220V input
- Two Year Warranty

LTS 6080-VF

High Resolution Direct Laser Image & Exposure Unit



APPLICATIONS

Designed to efficiently image and expose one screen up to 39"x59" or two screens up to a maximum size 25"x36" without vacuum or film positives.

CHARACTERISTICS

- Vertical glassless design with safety shutter
- 96 laser array capable of 2540, 1693, 1270, 1016, or 847 DPI
- Exposes all emulsions and stencil films
- Easy to use software, compatible with many RIP programs
- Utilizes 1-bit TIFF file format

FEATURES/BENEFITS

- Very high resolution exposure capable of reproducing the most demanding image types
- Double screen output by imaging & exposing two screens at once
- Digitally process all types of PC & Mac design files in house with no film positives and the powerful workflow software allows multiple image placements across one or two screens to further enhance productivity
- No consumables and low power consumption for minimized costs
- 10,000+ hour lamp life and easy, low cost maintenance

SPECIFICATIONS

- Maximum Image Size: 24" x 47"
- Maximum Frame Size: 39" x 59"
- Overall Dimensions: 87" x 25" x 65"
- Weight: 1,790 lbs.
- Compatible with 110V or 220V input
- Two Year Warranty

LTS 1015

Large Format High Resolution Direct Laser Image & Exposure



APPLICATIONS

Designed to efficiently image and expose screen printing frames up to a maximum size 53"x65" without vacuum or film positives.

CHARACTERISTICS

- Vertical 160 laser array capable of 2540, 1693, 1270, 1016, or 847 DPI
- Mechanical pneumatic clamp frame holder and light-safe shutter
- Mechanical raise/lower controls for top and bottom carriages
- Exposes all emulsions and stencil films
- Easy to use software, compatible with many RIP programs
- Utilizes 1-bit TIFF file format

FEATURES/BENEFITS

- Very high resolution exposure capable of reproducing the most demanding image types
- Double screen output by imaging & exposing two screens at once
- Digitally process all types of PC & Mac design files in house with no film positives and the powerful workflow software allows multiple image placements across one or two screens to further enhance productivity
- No consumables and low power consumption for minimized costs
- 10,000+ hour lamp life and easy, low cost maintenance

SPECIFICATIONS

- Maximum Image Size: 39" x 57"
- Maximum Frame Size: 55" x 65", also accommodates 2 screens 25 x 36
- Overall Dimensions: 101" x 33.25" x 81"
- Weight: 3,307 lbs.
- Compatible with 110V or 220V input
- Two Year Warranty

THE LAWSON GUIDE TO LASER-TO-SCREEN (LTS): ACCESSORIES

AUXILIARY ITEMS:



Ajax In-Line Screen Reclaimer

The Ajax In-Line Automatic Screen Cleaner and Reclaimer automates your screen reclaim process and shop production. Engineered for simplicity, the Ajax-R reduces labor costs and minimizes employee exposure to chemicals. It helps maintain a cleaner and safer working environment since all chemicals and liquids are minimized by the use of Lawson's environmentally friendly dip tank combined with our in-line high-pressure washer.



Ajax In-Line Screen Developer

The Ajax In-Line offers superior workflow production, as this unit develops screens automatically - simply place your frame on the in-feed track and it comes out the exit fully developed. The Ajax will help revolutionize your screen room. Process up to 350 screens per shift. Rinse-develop your screen quickly and easily. Approximate cycle time is only 60 - 90 seconds!



Pro-Coat Emulsion Coater

The Pro-Coat Emulsion Coater is a state-of-the-art automatic emulsion coater. Be assured of ultra-consistent emulsion coating, side-to-side and front-to-back - every screen will be coated exactly as you desire. Ultra-glide smooth travel, variable-frequency motor control and precise machining ensures perfect coating every time. An easy to use control panel allows the operator to select from 24 user-defined coating programs, or "change-on-the-fly" and quickly set any coating parameter as you wish.

DIRECT-TO-SCREEN OPTION:



Express-Jet CTS v5

The Lawson Express-Jet CTS v5 is a robust industrial computer-to-screen (CTS) imaging system that features a moving gantry, along with the RIP software necessary to image any size screen up to 25" x 36" O.D. Lawson's master frame carrier adjusts to fit all the standard frame sizes and any profile frame as well (square or roller or pin). The Ricoh Gen. V print head is blazing fast and competes with overpriced 3 head models.



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Lawson Screen & Digital Products

We Make It Simple...Since 1949

Lawson manufactures a wide variety of manual and automatic screen printing presses, exposure units, textile, UV, graphic, 3-D and industrial dryers, re-claiming sinks, dip tanks, computer-to-screen imaging devices, DTG printers, pre-treat sprayers, plastisol ink and much more.

All Lawson equipment is made in the U.S.A.

If you can't find what you need, refer to our website for a comprehensive listing of supplies and equipment; or give us a call, someone friendly is ready to help.

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