

# Print Anything



Graphic Communications  
Products by



Learning Labs, Inc.

# Table of Contents

## [Large Format Printers/Cutters](#)

[Roland CAMM-1 GS-24](#)

[Roland VersaStudio BN-20 Desktop Inkjet Printer/Cutter](#)

[Roland TrueVIS SG-540, SG-300](#)

[Roland VersaUV LEF Series](#)

[Roland Texart RT-640 Dye-Sublimation Printer](#)

## [Direct to Garment Printer](#)

## [Impact Printer](#)

## [Apparel Heat Presses](#)

## [Large Format Trimmers](#)

[Dahle LF Pro Rolling Trimmer](#)

[Dahle LF Premium Rolling Trimmer](#)

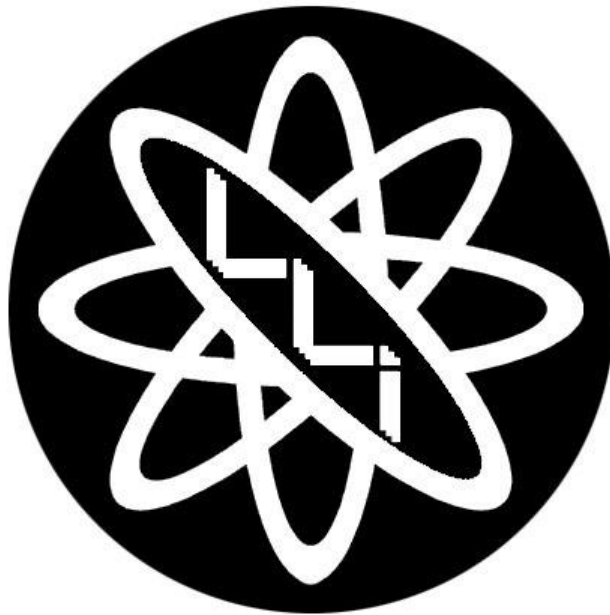
[Dahle LF Guillotine Trimmer](#)

## [Laminators](#)

## [Laser Engravers](#)

## [Projects/Tutorials](#)

# Large Format Printers/Cutters



[www.LLI.com](http://www.LLI.com)

[sales.dept@lli.com](mailto:sales.dept@lli.com)

**1-800-334-4943**



## Our Best Desktop Cutter Ever

Cut like never before and build your business right from your desktop with the GS-24. Produce apparel, vehicle graphics, signs, decals and more with ultimate versatility, precision and reliability.

### Advanced Cutting Features

#### Versatile Cutting

Overlap cutting (up to 10x), perforated cutting, and the ability to cut by line color makes seemingly difficult workflows a cinch.

#### Cutting Force

With up to 350 grams of force, cutting and weeding thick substrates like magnetic materials is a piece-of-cake.

#### Crop Mark Recognition

With an included optical registration system, the GS-24 recognizes crop marks generated by virtually any inkjet printer, including desktops, perfectly aligning the media to create precise cuts each and every time.

#### Detailed Cutting

The GS supports a wide range of blades with a variety of offset values, allowing for intricate designs on a wide range of substrates.







## Cut More Materials

Cut dense material from 2" to 27.5" wide. Cut vinyl, paint mask, twill, heat transfers, sandblast material and more to create everything from signs to rhinestone apparel.

## Perforated Cut Function

The easily selectable perforated cut function minimizes the need for weeding and allows you to create decals that are ready for individual sale.

## Keep it Simple

With an intelligently-designed LCD panel, blade groove on its apron for manual cutting, and a stand to comfortably hold rolls, the GS-24 is as easy-to-use as it is advanced.

## Speed That's Spot On

An innovative digital servomotor cuts vinyl and other materials at speeds up to 20-inches per second. At the same time, a curve-smoothing function precisely cuts at speed to optimize productivity and efficiency.

## Roland CutStudio Included

Quickly and easily output cut graphics, including resizing, repositioning, rotating, and mirroring images. The GS-24 also cuts oversized images using an improved tiling function, and cuts true type fonts without the need for outlining. CutStudio supports many different file formats, and can cut directly from Adobe Illustrator or Corel Draw.

## Highlights & Specifications

- Digital servo motor offers exceptional precision
- Unrivaled compatibility— handles 2" to 27.5" (50 to 700mm) media width
- Cut thick substrates with Overlap Cutting (up to 10x) and make cutting and weeding easier than ever
- Perforated cut function creates items for individual sale
- Optical registration ensures precise accuracy in cutting pre-printed graphics
- Maximum cutting speed of 20 inches per second with 350g of downforce
- Easily set offset, speed, and downforce, and generate cut lines with included Roland CutStudio™ software
- Included stand holds roll media and offers smooth set up



For detailed features and specifications, visit [www.rolanddga.com/gs24](http://www.rolanddga.com/gs24)



### 3-Year Trouble Free Warranty and Roland Care Premium for 5 Years!

Purchase of a GS-24 includes an industry best 3-year trouble-free warranty. Buyers can also turn their 3-year into a 5-year trouble-free warranty for just \$99. Receive free blades, protection strips and more as part of this warranty upgrade.

**G Premium!**

Register your GS-24 at [rolanddga.com/warranty](http://rolanddga.com/warranty) or contact your local dealer and take advantage of our Roland Care Premium Program.

Get social with us.



Imagine. **Roland**

FOR ADDITIONAL PRODUCT INFORMATION AND FEATURES, OR TO REQUEST A SAMPLE PRINT, CALL 800-542-2307 OR VISIT [WWW.ROLANDDGA.COM/GS24](http://WWW.ROLANDDGA.COM/GS24)  
 ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CALIFORNIA 92618-2216 | 800.542.2307 | 949.727.2100  
 RDGA-GS24-03 October 2016

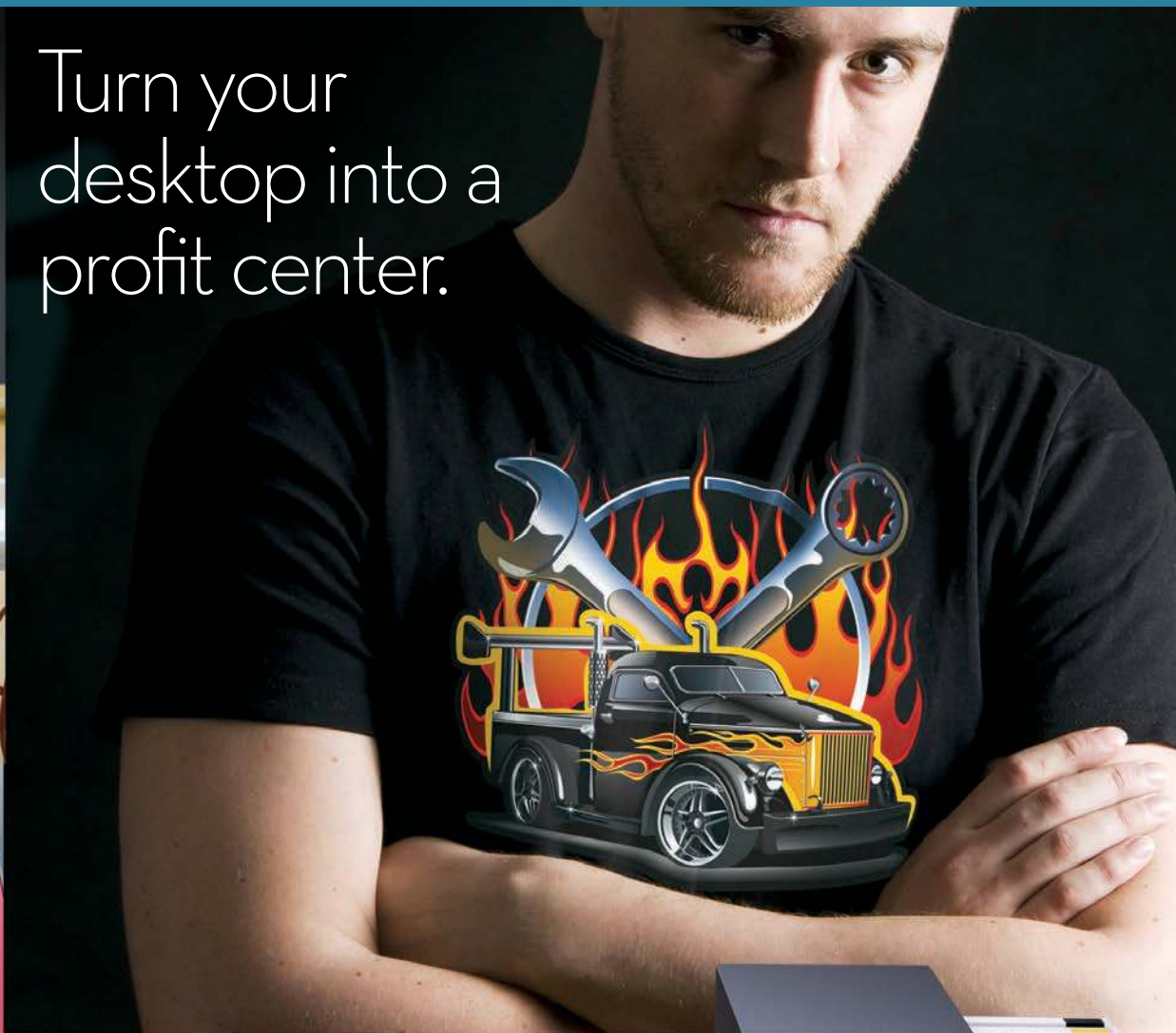
Roland DG's international ISO certifications are your assurance of our commitment to quality products and service | Roland DGA Corp. has licensed the MMP technology from the TPL Group.



VERSASTUDIO

VERSASTUDIO® BN-20 DESKTOP ECO-SOLVENT INKJET PRINTER/CUTTER

Turn your  
desktop into a  
profit center.







### Superior Image Quality Through State-of-the-Art Print Technology

The VersaStudio BN-20 utilizes state-of-the-art advanced printhead technology to print stunning graphics on apparel, stickers, decals, signs, and more. The 8-channel printhead prints up to 1440 dpi using variable droplet technology with seven precise drop sizes to optimize image quality. The gold-head reduces static, preventing clogging, and a patent-pending wiper system decreases wear and tear on the printhead and prolongs its life by reducing buildup. Roland Intelligent Pass Control Technology delivers exceptional quality prints with smoother gradations, richer density and deeper image saturation for photographic and vector output.

### Four Different Ink Choices Including Metallic Silver or White Ink

The BN-20 offers a choice of Eco-Sol MAX ink configurations. Four-color (CMYK) is the best choice for standard process color inkjet printing. CMYK+Metallic offers increased versatility and premium value. Metallic Silver can be printed as a spot color, or combined with CMYK to produce hundreds of striking metallic and pearlescent colors. CMYK+White opens the door to applications that require printing on clear or reflective substrates. CMYK aqueous ink, is also available for the BN-20. This high-density water-based ink creates brilliant colors and excellent print quality, perfect for short-term indoor applications.

Eco-Sol MAX offers fast drying time, high density, wide color gamut, rugged scratch resistance and low cost per square foot. MAX is virtually odorless, and graphics are water and UV resistant up to 3 years outdoors\* without lamination. It's also environmentally friendly. Eco-Sol Max ink has received GREENGUARD Gold (2818) Certification from Underwriters Laboratories for low VOC emissions of volatile organic compounds (VOCs) into indoor air.

### Print and Cut in One Integrated Workflow

VersaStudio streamlines the production process by automatically contour cutting printed graphics, eliminating the need to reload and reposition graphics. For laminated graphics, our Quadralign® four-point optical registration system allows users to remove prints, laminate and simply reload them for precision cutting.

### VersaWorks® Professional RIP Software

Developed exclusively for Roland inkjet printers and printer/cutters, VersaWorks RIP software is included with the BN-20 to ensure exceptional production output with unmatched ease of use. Based on the latest Adobe CPSI 3019 engine, VersaWorks includes advanced error diffusion, 16-bit rendering, and the Roland Color system, which accurately reproduces more than 1,000 standard colors and 512 metallic colors. Roland VersaWorks offers media support for the most popular applications including labels, decals, heat transfers, posters and static cling for window signs. All Roland media is supported by VersaWorks media profiles, ensuring optimal output quality and color accuracy. VersaWorks is fully compatible with Windows 7, Vista and XP.

### Roland OnSupport Online Production Assistance

Roland OnSupport online production monitor enables remote tracking of production so you can get an e-mail when ink is low or a job is finished. Roland OnSupport users can also quickly download firmware updates and important product information.

### One-Year Trouble-Free Warranty

Roland inkjets combine unbeatable performance with legendary Roland reliability. As further proof of their unmatched reliability, Roland offers a One-Year Trouble-Free Warranty on the VersaStudio.







## Durable printing, contour cutting, metallic ink. Everything you'd never expect in a desktop inkjet.

We've taken everything that makes a Roland great and packed it into one powerful, profit-producing package. Truly affordable. Remarkably versatile. One device that can print and cut an incredible variety of jobs on a full spectrum of media. Everything from stickers, decals, labels, t-shirt transfers, photo prints, posters and small format signage to eye-popping awards and vehicle graphics. All from your desktop.

In today's market, there's a big need for small-run, high-margin work. Custom print/cut jobs need to be performed on demand without a large investment in equipment. The VersaStudio BN-20 was designed to meet that need and pay for itself in no time.

"My BN-20 paid for itself in just three weeks."

Shawn Lyons, The T-Shirt Makers, Inglewood, CA



See why the BN-20 is perfect for short run apparel at [www.rolanddga.com/BNapparel](http://www.rolanddga.com/BNapparel).

**VERASTUDIO BN-20**  
20" PRINTER/CUTTER



Watch the BN-20 in action, at  
[www.rolanddga.com/bn](http://www.rolanddga.com/bn)

**Roland®**



## VERSASTUDIO BN-20 20" ECO-SOLVENT INKJET PRINTER/CUTTER

- Integrated print/cut capabilities
- Photorealistic printing up to 1440 dpi
- State-of-the-art printing technology
- Roland Intelligent Pass Control™ technology for unparalleled image quality at the highest print speeds
- New wiper system to prolong life of the printhead, minimize maintenance, and improve image quality.
- Desktop footprint
- Choice of three Eco-SOL ink configurations and one four color Aqueous
  - > 5 Color CMYK + Metallic Silver
  - > 5 Color CMYK + White
  - > 4 Color CMYK
  - > 4 Color FPG Aqueous ink also available
- Easy loading media system
- R-Works™ design software included
- VersaWorks® RIP Software included
- Roland OnSupport software for remote production tracking available for download
- One-Year Trouble-Free Warranty



**ROLAND  
CERTIFIED  
MEDIA**

Roland Certified Media for the BN-20 is available at [www.rolanddgastore.com](http://www.rolanddgastore.com)

## PRODUCT SPECIFICATIONS

MODEL		VersaStudio BN-20
Print resolution		Maximum 1440 dpi
Printing/cutting width		Maximum 18.9 in (480 mm)
Acceptable media	Width/thickness	5.9 to 20.3 in (150 to 515 mm) / Maximum 16 mil (0.4 mm) with liner and 9 mil (0.22mm) without liner
	Media roll weight	Max. weight 13.2 lbs (6 kg)
	Roll/core diameter	Max. outer diameter 8.3 in (210mm) / Core diameter: 2 in (50.8mm) or 3 in. (76.2mm)
Ink cartridges		Roland Eco-Sol MAX ink / FPG Aqueous ink
Capacity		5 cartridges: 220 ml ± 5 ml
Color		5 Colors ([Eco-Sol MAX] Cyan, Magenta, Yellow, Black, Metallic Silver), 5 Colors ([Eco-Sol MAX] Cyan, Magenta, Yellow, Black, White) 4 Colors ([Eco-Sol MAX] Cyan, Magenta, Yellow, Black) OR 4 Colors ([FPG Aqueous] Cyan, Magenta, Yellow, Black)
Cutting force/offset		30 to 300 gf / Fixed offset
Connectivity		USB 2.0
Power-saving function		Automatic sleep feature
Power supply		AC 100 to 240±10 %, 7.2 A, 50/60 Hz
Dimensions		39.2 (W) x 23 (D) x 11.5 (H) in (995 (W) x 585 (D) x 291 (H) mm)
Weight		77 lbs (35 kg)

Specifications subject to change.

\* Outdoor durability is based on accelerated weather tests. Results may vary depending upon location and application. Dry times vary depending on specific media characteristics. Lamination may be required for some applications or environmental conditions. Roland DGA Corp. has licensed the MMP technology from the TPL Group.

Get social with us.



Imagine. **Roland®**

FOR COMPLETE PRODUCT SPECIFICATIONS AND FEATURES, OR TO REQUEST A SAMPLE PRINT, CALL 800-542-2307 OR VISIT [WWW.ROLANDDGA.COM](http://WWW.ROLANDDGA.COM)  
 ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CALIFORNIA 92618-2216 | 800.542.2307 | 949.727.2100 | CERTIFIED ISO 9001:2008  
 RDGA-BN-03 July 2013



TRUE COLOR. TRUE QUALITY. TRUE VALUE.

# TrueVIS

The new **SG series** printer/cutters



 Roland





### Stunning Quality and Outstanding Results

Everything about the way TrueVIS printers produce images has been perfected. With the SG series, two FlexFire printheads fire precision droplets in 3 sizes and a wide print swath. This enables every drop of ink to fall exactly where it is intended, delivering beautiful images and uniform colors at production speeds.



### Print and Contour Cut Your Way to More Profit

The TrueVIS SG uses Roland DG's most advanced integrated print/cut technology to date. Featuring a newly-designed cut carriage and blade holder, with increased downforce and accuracy, you can work with more media and discover more profit opportunities. The SG series gives you the power of integrated printing and contour cutting for an incredible price.

### Smart Tech, Amazing Usability

In addition to a built-in control panel, a new Roland DG Mobile Panel enables you to manage the functions of the SG printer/cutter remotely using a smartphone or tablet with a Bluetooth connection. This smart and convenient new feature allows you to receive status updates as well as manage production, test printing, and cleaning functions while working in remote range of your machine.



### Ink that Lowers Costs while Raising Quality

Supplied in 500ml pouches, and available in CMYK, inks for the TrueVIS SG series slide into a hidden ink bay with reusable cartridges for clean use with less waste.

TrueVIS INK delivers a wider color gamut and meets strict environmental standards with a GREENGUARD Gold certification for indoor air quality.

Whether you're just starting out or wanting to expand production, new TrueVIS SG series printer/cutters offer the quality and versatility you need. TrueVIS ushers in a new era of extreme color quality, integrated printing and contour cutting, plus high-tech ease-of-use. The SG delivers it all at an unbeatable value.

## Experience Extreme TrueVIS Color

TrueVIS Color, achieved through the precision combination of Roland DG's FlexFire printheads and TrueVIS INK, results in amazingly vibrant colors and stunning details that blow the competition away.

*See it to believe it. Request your free print sample at [rolanddga.com/sg](http://rolanddga.com/sg)*







# TrueVIS

## SG series

### Highlights & Specifications

- Printer plus integrated contour cutter available in 54-inch and 30-inch models
- Roland Versa Works Dual RIP Software included – utilizes both PDF and PostScript engines for super-fast preview times and improved handling of files with transparencies
- Roland DG Mobile Panel – manage the functions of the SG printer/cutter remotely using a smartphone or tablet with a Bluetooth connection
- New ink system offers low-consumption, low-cost production with removable 500ml pouches
- TrueVIS INK available in CMYK
- Two new FlexFire™ printheads fire dot patterns more efficiently in 3 sizes, for high quality images and color without high ink use
- TrueVIS Color achieved with new FlexFire printheads and TrueVIS INK delivers a wide gamut of stunning, eye-popping color
- New cutting carriage, blade holder, and blade for increased down force and media compatibility
- Maximum resolution: 900 dpi
- Standard mode print: 86.1 sqft/hr (54-inch model)
- Optional take-up units available for boosted performance during long production runs

For detailed features and specifications, visit [www.rolanddga.com/sg](http://www.rolanddga.com/sg).



Get social with us.



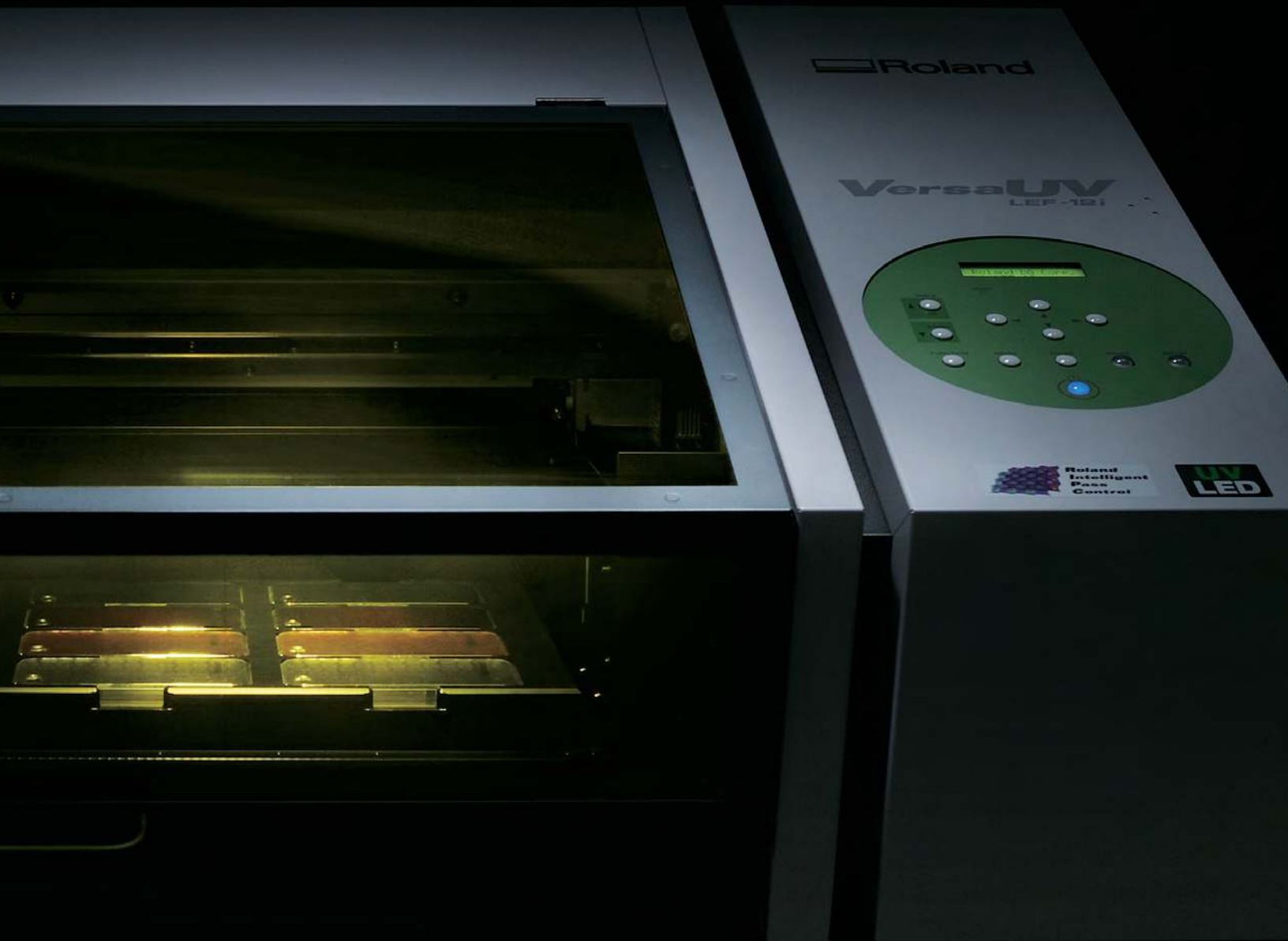
Imagine.  Roland



**VersaUV** LEF series flatbed printers

# The Magic of UV Printing

Print directly on unique substrates and 3-dimensional objects.





VersaUV LEF series flatbed printers share features that make them easy-to-operate, efficient and reliably built for amazing print production on a wide variety of surfaces.

### Key Features

- Print on a wide variety of objects up to 3.94" in height
- Built-in laser alignment system enables users to uniformly print images on different substrates
- State-of-the-art, energy-efficient UV-LED lamps – lasting up to ten times longer than conventional UV lamps
- Roland Intelligent Pass Control – controls dot placement between each print pass for smooth gradations and outstanding solid colors
- Automated Ink Circulation System – consistently brilliant results with controlled ink circulation that generates smooth ink consistency and density
- Mist Filters – ensure optimum print quality around the curvatures of objects and keeps the ink from settling on the printer's internal components
- Job presets allow you to recall specific settings for instant reprints with specific applications
- Roland OnSupport sends e-mail or smart phone alerts to inform users when ink is running low or a job has been completed
- Industry leading Two-Year Trouble-Free Warranty\*



For detailed features and specifications, visit [www.rolanddga.com/lef](http://www.rolanddga.com/lef).



\* One-year warranty included. Registration within 60 days of purchase and continuous exclusive use of Roland inks is required to qualify for free second year of coverage. See website for details.



## LEF-300 30" Flatbed Printer

The LEF-300 offers high-volume customization of three-dimensional products as well as printing onto signage and larger items. Featuring on-board Primer\* option, four print heads and two UV-LED lamps for faster curing, it significantly increases productivity and delivers stunning results.

### Built for Industrial Production

The LEF-300 is a fast-printing machine, built for long production runs and automated customization. It features an input/output system for integrating machine status lights and other assembly line tools – enabling scalable production with multiple LEF-300's.

### Prepare for Quality Results on More Materials

Print on objects up to 3.94" in height, including PET, ABS, TPU and leather. ECO-UV inks allow users to print on a large range of items, while an on-board Primer\* option allows for a fast and efficient workflow with increased ink adhesion and durability on a variety of substrates\*.

The LEF-300 also features an optional RotaPrint attachment, enabling users to print around cylindrical objects.



### Power-Up Your Workflow

- Expanded print area 30" wide by 13" long
- Two UV-LED lamps – which allow for bi-directional printing – ensure instant ink-curing
- Four print heads increase production speed
- Multi-layer printing of White and Gloss ink with increased ink density
- New draft print mode for users in need of quick prototype prints
- Built-in vacuum table holds materials steady for easy loading and prevents materials from shifting during printing
- BOFA air filtration system optional that also functions as a stand and storage unit



\* Ink adhesion results may vary depending on the substrate and printing conditions. For best results, test print prior to final production.





## LEF-200 20" Flatbed Printer

Ideal for short-run customization of smart phone covers, picture frames and personalized items, the LEF-200 prints graphics with incredible color and detail and adds eye-catching textures and stylish embossed finishes. It also features an on-board Primer option that allows for a fast and efficient workflow with increased ink adhesion and durability on a variety of substrates\*.

### Packed with Advanced Machine Features

The LEF-200 offers a fast UV-LED curing system to expedite production, up to 40 job presets to recall media settings for your most popular applications, a non-magnetic height sensor bar for printing on magnetic items such as iPad covers, and many more intuitive features.

### From Short Run Products to Wall Art

The LEF-200 can customize items up to 3.94" in height and features ECO-UV inks in CMYK, White and Gloss that allow users to print effectively onto three-dimensional objects. It also offers productive-printing within a sizable 20"x 13" print area for short run product customization and printing onto medium-sized objects such as glass trophies and wall art.

The LEF-200 also features an optional RotaPrint attachment, enabling users to print around cylindrical objects.





## LEF-12i 12" Flatbed Printer

Quickly and easily personalize giftware, souvenirs, and accessories with the LEF-12i that fit any office or workspace and print on media items up to 3.94" in height. With White ink and Gloss ink options, they also offer brilliant gloss-varnish and embossed finishes.

### All the Production Power in a Compact Device

Small footprint LEF-12i devices boast many of the amazing LEF series features, all in a powerful, compact machine. Perfect for printing directly onto sensitive electronics like iPads and ideal for customizing keychains, photo frames and other giftware, they are truly remarkable.

### Power Your Start-up or Kiosk Business

Run your LEF-12i for just one hour a month and you could generate enough income to pay for the lease. The rest is pure profit. The LEF-12i is the perfect device to get into product customization. It's productive, effective and enables users to offer customers personalization "while-they-wait".





# VersaUV LEF series

## Highlights & Specifications

### Brilliant ECO-UV Ink Powers the LEF Series

- CMYK, Gloss and White ink, plus Primer\* option for the LEF-200 and LEF-300
- Available in cost-effective 500ml cartridges for the LEF-300
- Available in 220ml cartridges for the LEF-200 and LEF-12i
- Instantly dries to produce mess-free results in a wide color gamut
- ECO-UV ink prints onto curved and irregular surfaces without cracking
- Bonds to a variety of substrates, including PVC, fabric, and other materials\*
- Produces durable indoor graphics with scratch and chemical resistance
- Outdoor graphics last from six months to two years when Gloss ink layer is applied

### All New VersaWorks™ Dual RIP

Available with purchase of the LEF-300, LEF-200 and LEF-12i, Roland's new RIP software features the ease-of-use capabilities of VersaWorks, plus exciting new features:

- Dual PDF and PostScript engine for faster previewing times
- Improved PDF and EPS file handling, including files with transparencies
- Supports up to four Roland devices
- Predictive Ink Calculator
- Set-up special color layers like White, Gloss and Primer directly in the RIP software
- Spot color replacement, with built-in PANTONE® libraries
- Rotate and mirror variable print data from inside the RIP
- Save and store unlimited queue settings
- Advanced cropping, tiling and nesting options
- Ready-to-use Texture Libraries for gloss, matte and other special effects.

## Key Specifications

Model	Maximum Print Area	Print Speed	Ink Configuration Options	Included RIP Software	Accessories	Ideal For
VersaUV LEF-12i	12" x 11"	8.5 sqft/hr @ 1440x720 dpi	CMYK+Gloss+White	Roland VersaWorks Dual	BOFA air filtration system (optional)	Short-run customization of USB drives, smart phone covers, photo frames and other small objects.
VersaUV LEF-200	20" x 13"	14.74 sqft/hr @ 720x720 dpi	CMYK+Gloss+White CMYK+White+Primer CMYK+White+White	Roland VersaWorks Dual	BOFA air filtration system (optional)	Short-run customization of small objects or medium-sized items, plus pre-primed printing onto a variety of substrates and unique surfaces.
					RotaPrint cylindrical printing attachment (optional)	
VersaUV LEF-300	30" x 13"	24.32 sqft/hr @ 720x720 dpi	CMYK+Gloss+Gloss+White CMYK+Gloss+White+Primer	Roland VersaWorks Dual	BOFA air filtration system (included)	Production-volume customization of small objects or medium-sized items, plus pre-primed printing onto a variety of substrates and unique surfaces.
					RotaPrint cylindrical printing attachment (optional)	

\* Ink adhesion results may vary depending on the substrate and printing conditions. For best results, test print prior to final production.

Get social with us.



Imagine.  Roland

FOR ADDITIONAL PRODUCT INFORMATION AND FEATURES, OR TO REQUEST A SAMPLE PRINT, CALL 800-542-2307 OR VISIT [WWW.ROLANDDGA.COM/LEF](http://WWW.ROLANDDGA.COM/LEF)  
 ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CALIFORNIA 92618-2216 | 800.542.2307 | 949.727.2100

Roland DG's international ISO certifications are your assurance of our commitment to quality products and service.  
 RDGA-LEF-04 January 2017

Roland DGA Corp. has licensed the MMP technology from the TPL Group.

Simply brilliant.





## Exceptional sublimation performance and value.

Sportswear, fashion, décor, Point-of-Sale (POS) displays, trade show exhibits and a wide range of promotional products are just a few of the many opportunities available in dye sublimation printing. The Roland Texart RT-640 dye-sublimation printer was designed to provide superb quality, productivity and value with ease of use. Take a close look at the stunning output, then add up all the innovative features and we think you'll agree: the RT-640 is simply brilliant.







## It All Starts With the Ink

Roland's new Texart SBL3 Dye Sublimation Ink delivers bold, vibrant color, deep, rich blacks, subtle gradations and remarkably fine details. The RT-640 can be configured as a four-color or eight-color device. In four-color (CMYK) mode, low-VOC Texart ink produces bright colors with velvety blacks, improved gray scale and high quality, detailed output. In eight-color (CMYKLcLmOrVi) mode, the addition of Orange and Violet ink produces an increased color gamut with exceptional reds, oranges, deep blues and purples, while Light Cyan and Light Magenta provide subtle gradations and beautiful skin tones.

The new Roland bulk ink system includes airtight sealed one liter pouches. When printing in four-color mode, the Roland Ink Switching System automatically switches to the backup pouch when the primary pouch runs out. Further expediting production, you can replace an empty pouch without stopping the printer.

The combined dye sublimation transfer technology of SBL3 inks and the RT-640 is ideally suited to all forms of textile manufacturing on polyester fabric.

## Every Detail Has Been Optimized for Exceptional Output, Performance and Value

An advanced, eight-channel print head contains 180 nozzles per channel capable of producing seven different droplet sizes for smoother gradations and denser color. Texart ink is approximately 15% less expensive per liter than conventional inks, yet provides outstanding color reproduction. The ink waveform and maintenance sequence control technology deliver optimum output and print quality. The RT-640 also includes a newly designed media feed adjuster at the front and back of the printer that prevents skewing when running transfer paper media at high speeds. Enhanced vacuum power keeps paper flat for printing.

## Powerful ErgoSoft Roland Edition RIP Included

ErgoSoft Roland Edition is a special edition RIP developed exclusively for Roland by ErgoSoft, a premier RIP provider in the sublimation market. Support for both eight-color and four-color printing is provided and it includes numerous features especially for sublimation production that combine excellent high-speed RIP throughput, image quality and productivity.



## Take Advantage of Advanced Productivity Features

The RT-640 comes with a host of features that boost productivity. The newly developed feed adjuster combined with an included take-up system facilitates precision unattended printing. The TU-3 take-up system combines a convenient front-mounted roller and an advanced tension controlled take-up unit for optimum media feeding and tracking. With Roland Printer Assist, you can manage your RT-640 remotely when you're in the office using an iPad tablet, allowing you to control common printer operations such as test printing and cleaning functions.



To watch a video of the RT-640  
visit [www.rolanddga.com/rt](http://www.rolanddga.com/rt).



## TEXART™ RT-640 DYE-SUBLIMATION PRINTER

- 64" integrated dye sublimation printer
- New Texart SBL3 Dye Sublimation Ink for vivid color
- ErgoSoft Roland Edition Sublimation RIP included
- Choose from two ink configurations
  - Dual CMYK
  - CMYKLcLmOrVi
- Maximum speed of 351 sqft/hr (32.6 sqm) (540x360 dpi/2 pass)
- Gold-plated 8-channel print head for improved static control and variable droplet printing
- Advanced Feed Adjuster for highly stable printing
- Unattended printing with integrated bulk ink system and ink pouch switching when in 4-color mode
- Roland Printer Assist iPad app allows remote management of common printer functions
- Included media take-up handles 110 lb. rolls for greater capacity

- Ethernet connectivity for high-speed data transfer
- Industry-leading Roland reliability, service and support
- Two-Year, Trouble-Free Warranty\*
- Roland OnSupport sends production updates via text message or email or your computer, tablet or smart phone



For detailed features and specifications, visit [www.rolanddga.com/rt](http://www.rolanddga.com/rt).

## PRODUCT SPECIFICATIONS

Model		RT-640
Printing technology		Piezoelectric inkjet / Grit roller feed
Acceptable media	Width	Roll media: 10.2 to 64 in. (259 to 1,625 mm)
	Thickness	Roll media: Maximum 39 mil (1.0 mm)
	Weight	Roll media: Maximum Maximum 88 lbs. (40 kg)
	Roll outer diameter Core diameter	Maximum 8.3 in. (210 mm) 3 in. (76.2 mm) / 2 in. (50.8 mm) with optional flanges
Media take-up system		Maximum 8.3 in (210 mm) outer diameter / Maximum 110 lb. (40 kg) weight
Printing width		Maximum 63.6 in. (1615 mm)
Printing resolutions		Maximum 1,440 dpi
Distance accuracy		Error of less than $\pm 0.3\%$ of distance traveled, or $\pm 0.012$ in (0.3 mm), whichever is greater.
Interface		Ethernet (10 BASE-T / 100 BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power supply	Voltage and frequency Required power capacity	AC 100 to 240 V $\pm 10\%$ , 50/60 Hz Maximum 1.5 A
Power consumption	During operation Sleep mode	Maximum 140 W Approx. 31 W
Dimensions (with stand)		With Stand: 104.4 in. (W) x 31.3 in. (D) x 63 in. (H) (2,650 mm (W) x 795 mm (D) x 1,600 mm (H))
Weight (with stand)		With stand: 353 lbs (160 kg)
Environment	Power on Power off	Temperature: 18 to 25 °C (64.4 to 77 °F), humidity: 35 to 65 %RH (no condensation) Temperature: 15 to 30 °C (59 to 86 °F), humidity: 20 to 80 %RH (no condensation)
Included items		Exclusive stand, power cord, media clamps, media holder, replacement blades for separating knife, take-up reel, User's Manual, etc.

Specifications subject to change. \*Except select consumables and customer replacement items. Registration within 60 days and continuous exclusive use of Roland Inks during the first two years of ownership is required to qualify for the free second year of limited warranty coverage. Additional Terms and Conditions apply. See [www.rolanddga.com/warranties](http://www.rolanddga.com/warranties) for details

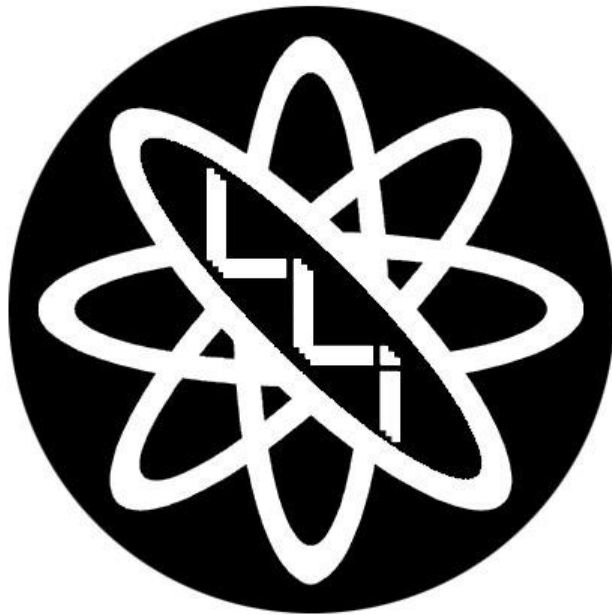
Get social with us.



Imagine. **Roland**®

FOR COMPLETE PRODUCT SPECIFICATIONS AND FEATURES, OR TO REQUEST A SAMPLE PRINT, CALL 800-542-2307 OR VISIT [WWW.ROLANDDGA.COM/RT](http://WWW.ROLANDDGA.COM/RT)  
 ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CALIFORNIA 92618-2216 | 800.542.2307 | 949.727.2100 | CERTIFIED ISO 9001:2008  
 RDGA-RT-03 July 2016

# Direct to Garment Printer



[www.LLI.com](http://www.LLI.com)

[sales.dept@lli.com](mailto:sales.dept@lli.com)

**1-800-334-4943**



# DIRECT-TO-GARMENT, STRAIGHT-TO-SUCCESS

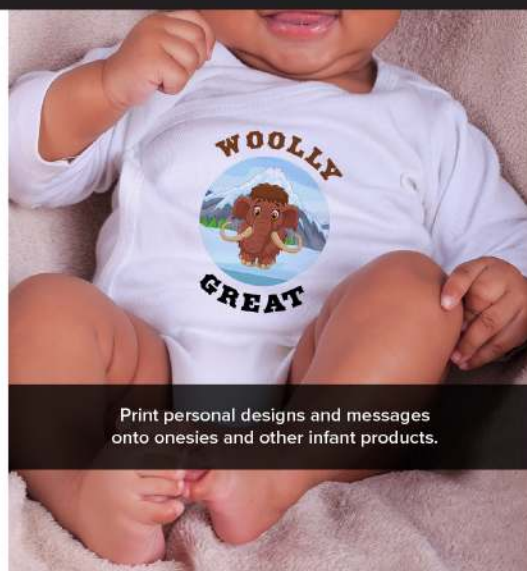
Start Printing and Profiting Immediately with the BT-12



Print directly onto cotton t-shirts, apparel, tote bags and other products in minutes from the comfort of your desktop. The affordable VersaStudio BT-12 printer allows you to get into the profitable world of custom apparel immediately, with a device that's as easy-to-use as an office printer and offers stunning results.



Print full-color logos, art and messages onto t-shirts, hoodies and more.



Print personal designs and messages onto onesies and other infant products.



High-quality customization of bags and other fabric accessories



Make desirable gifts with handkerchief, apron, and other product personalization.



Add photos to fabric wall art, cushions, and other décor.



Personalize pet vests, dog bandanas and other profitable products.

## Highlights



A complete, low-cost solution includes finisher unit, cassette tray and cleaning accessories (approximately 1-year supply.)



With a simple 3-step process, you can automatically print your design and cure the ink in one smooth workflow.



Brilliant inks and images provide sharp and color-brilliant image results.



A clean and fully-enclosed process— safely print onto garments without coming into contact with chemicals, steam or heat.



Compact and affordable to run, the stackable solution fits any kiosk, office or store and works with standard wall sockets.



Includes super-easy design software for users of all abilities— output your PNG, JPG, TIFF\*, PDF\* and BMP\* files.



No complicated processes or bulky equipment— a fast, clean, simple, and affordable alternative to traditional garment printing.



Power your online apparel storefront or add personalization services to photo studios, souvenir stores and many more retail stores.

\*File types not supported by included Roland software but available for print output with other popular design programs

## Specifications

Printing method	Direct-to-garment (DTG) Piezo ink-jet method	Garment Type	Fabric:	50-100% Cotton
Print heads	2 print heads/ 2 channels per head 192 nozzles per channel Nozzle pitch: 150 dpi Max. print swath: 1.27" (32 mm)		Thickness:	Max. 0.157" (4 mm)
			Colors:	White, light colors (no black, dark garments)
Printing resolution (dpi)	600 x 600 dpi 1200 x 1200 dpi	Ink Cartridges	Types:	TPG Textile Pigment Ink
Printable Area	A4 Cassette (Standard) 8" x 11.5" (204 mm x 291 mm )		Size:	100 ml (CMY) 140 ml (K)
		Connectivity	USB 2.0 high speed, 10BASE-T/100BASE-TX, IEEE 802.11 b/g/n	
		Power requirements	AC100V to 120V, 50/60Hz, max. 90 Watts	



### Extend Your Two-Year Warranty to Five-Years of Coverage

Backed by industry-leading customer service and technical support, the VersaStudio BT-12 and finishing unit is also supplied with a Two-Year Trouble-Free Warranty with an **option to extend your warranty for three more years.**

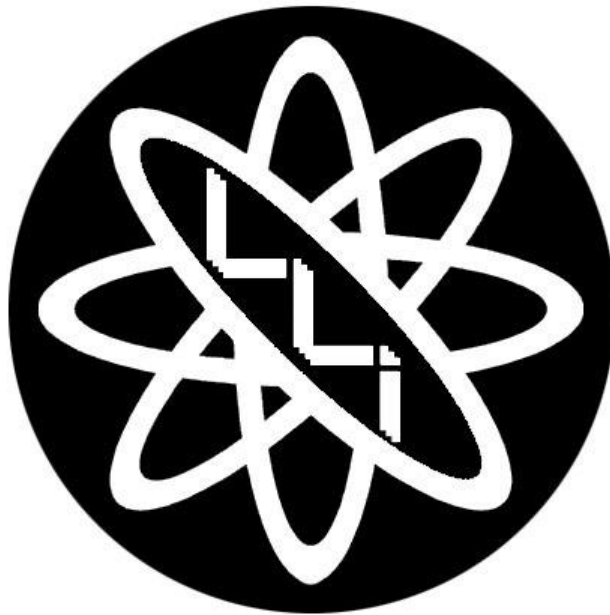


**Learning Labs, Inc.**

**1-800-334-4943**

**www.LLI.com**

# Impact Printer



[www.LLI.com](http://www.LLI.com)

[sales.dept@lli.com](mailto:sales.dept@lli.com)

**1-800-334-4943**



## *An Easier Way to Mark Tools and Instruments*

The MPX-95 offers an affordable and versatile solution for industrial part marking and UDI medical equipment compliance\*. Users of all abilities can add precision data to a wide range of metal equipment.

### Optional Direct Part Marking Kit

The MPX-95 further expands medical and industrial equipment application with an optional DPM Kit that includes the following:

#### Head Caps

30 rounded and 10 flat head caps are included in the DPM Kit for use on flat and curved surfaces.

#### DPM Vise

A movable and fully-adjustable vise with multiple tool-holding options can be quickly set-up to hold medical scissors, tools and other items. Ideal for marking different items with contrasting dimensions in succession.

#### Center Vise with Clamp Pins

Uniquely position different-sized clamp-pins to hold irregular-shaped and cylindrical items for repeat, precise personalization of equipment with the same dimensions.

An optional Gift Kit for personalizing metal giftware is also available.



\*By 2020 US FDA regulations for medical equipment labeling and registration will require ALL medical devices and equipment (class I, class II, and class III) to be unique device identification (UDI) compliant.



## Optional Direct Part Marking Kit includes:



Center Vice and DPM Vice



Clamp Pins



Head Caps (round bottom)



Head Caps (flat bottom)

### Mark Hundreds of Metal Items

A diamond-tipped stylus strikes material with high-speed precision – adding fine text and complex data patterns to stainless steel, iron, titanium, platinum, acrylic and more.

### Expand Media Options

The base plate and base unit can be removed to enable imprinting onto much larger medical tools, devices and industrial equipment.

### Accurate Laser Pointer Set-Up

Precisely define the origin point on media and set the print position at the touch-of-a-button.

### Ideal for Controlled Environments

A compact and portable device that doesn't burn or remove material on impact and generates no odors or debris. No daily maintenance, special power or ventilation is required.

### Included METAZA Studio Software

The DPM version of MetazaStudio allows users to apply sequential data to each item in a series, add text, import variable data without having to save a CSV file, and automatically generate 2D symbols for an effortless solution.

## Highlights & Specifications

- Imprints up to 26 digits of barcode and text data inside an area as small as one square millimeter
- Printable area of 3.2" x 3.2"
- Removable base allows for impact printing on materials up to 2.8" thick
- Optional DPM Kit enables imprinting onto a wide range of equipment
- Diamond-tipped stylus marks silver, titanium, platinum, brass, and aluminum up to 200HV (Vickers Hardness)
- Built-in laser pointer for quick and accurate imprint set-up
- Imprint resolution: 529 dpi (high-res), 353 dpi (photos), 265 dpi (text), 1058 dpi (vector)
- Imprint speed: 2.0 in./sec (image), 1.2 in./sec (text), and 0.94 in./sec (vector)
- Compact and fully enclosed – runs quietly and safely in labs and other controlled environments

For detailed features and specifications, visit [www.rolanddga.com/mpx95DPM](http://www.rolanddga.com/mpx95DPM)



### Highest Standard of Quality, Reliability and Support

A one-year manufacturer's warranty and industry-best customer service ensures that your device is always up-and-running.

Get social with us.

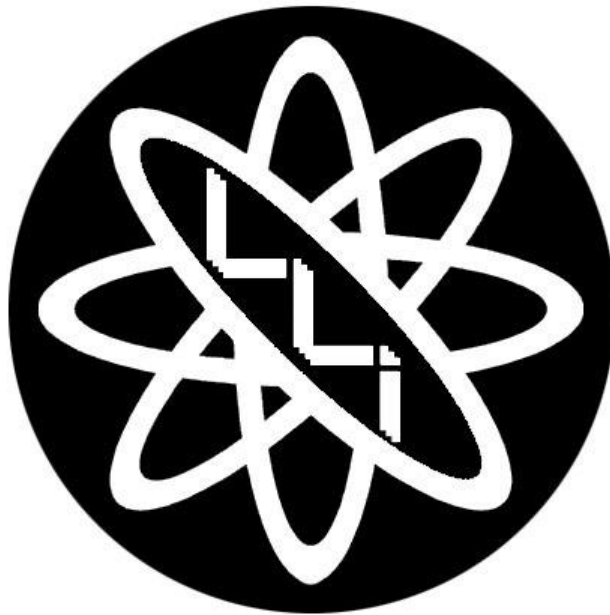


Imagine.  **Roland**

FOR ADDITIONAL PRODUCT INFORMATION AND FEATURES, CALL 800-542-2307 OR VISIT [WWW.ROLANDDGA.COM/MPX95](http://WWW.ROLANDDGA.COM/MPX95)  
ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CALIFORNIA 92618-2216 | 800.542.2307 | 949.727.2100  
RDGA-MPX95DPM-1 November 2016

Roland DG's international ISO certifications are your assurance of our commitment to quality products and service | Roland DGA Corp. has licensed the MMP technology from the TPL Group.

# Apparel Heat Presses



[www.LLI.com](http://www.LLI.com)

[sales.dept@lli.com](mailto:sales.dept@lli.com)

**1-800-334-4943**





# WE ARE HOTRONIX

STAHL'S  
**Hotronix**®

2018 CATALOG



# PROUDLY MADE IN THE USA

Born from the specific requirements of heat transfer materials, Hotronix® has been taking the guesswork out of heat applying since the 1980s. Now stronger and more advanced than ever, Hotronix® continues to engineer and produce the world's bestselling heat presses and accessories.

Proudly made in the USA, Hotronix® looks to the future of heat press innovation in an ever-changing industry to help your business become an efficient, profit-generating machine.

STAHL'S  
**Hotronix®**



INDUSTRY  
INNOVATORS



BLUE RIBBON  
CUSTOMER SERVICE





## More Than a Heat Press 4-5

### Heated Lower Platen 6-7

### Hotronix® Heat Presses 8-11

Dual Air FUSION IQ™	8
Air FUSION IQ™	9
FUSION IQ™	9
Auto Open Clam	10
Auto Open Cap	10
The MAXX® Clam	11
The MAXX® Cap	11
Warranty	11

### Accessories 12-13

Laser Alignment System	12
Heat Press Caddie™	12
Heat Press Caddie™ Shelves	12
Stahls' EZ Weeding™ Table	13
CAD-CUT® Weeding Panel	13
Heat Printing Equipment Cart	13
Accessory Kit	13
Heat Press Machine Test Kit	13

### Platens 14-15

The Right Platen For Your Heat Press	14
Quick Change Platens	15
Interchangeable Cap Platens	15
Platen Covers	15

### Contact 16



TECHNOLOGY  
DRIVEN



MADE  
IN THE USA





# MORE THAN A HEAT PRESS

Every Hotronix® FUSION® will come equipped with the new FUSION IQ™ control board that features advanced wireless technology, letting you interact with your heat press anywhere at any time with the web-based portal. This line of technologically advanced presses provide your business with insights into job and operator performance, allowing you to make proactive, data-driven changes in real-time.



# HOW DID THE WORLD'S BEST-SELLING HEAT PRESS GET EVEN BETTER?



By Adding Wireless Technology So You Can  
Manage Your Business From Anywhere.

## **TRACK HEAT PRESS USAGE**

Make sure you're getting the most out of your heat press. Track how much time your heat press is working vs. sitting idle.

## **DISCOVER THE PRODUCTIVITY OF EACH HEAT PRESS**

Access real-time reporting and adjust your production capacity as needed.

## **TRACK THE PERFORMANCE OF EACH EMPLOYEE**

Gain insight into when and how your employees are working, if there are any application issues, and manage permissions for accurate application without added supervision.

## **FOLLOW TOTAL IMPRESSIONS**

The FUSION IQ™ measures every preheat and every heat application so you stay up-to-date on the number of times your heat presses were engaged.

## **UTILIZE PRESET APPLICATIONS FOR POPULAR ITEMS**

Eliminate mistakes by using factory installed presets, or create your own to accurately apply the types of transfers and films your customers are ordering.

## **SET UP EXCEPTIONS**

See how many times an operator went outside a preset application. Avoid production missteps to maintain the quality and durability of your products.

# HOTRONIX® HEATED LOWER PLATEN

## THE TOOL YOU NEED TO ELIMINATE SCORCHING

Today's fabrics are trendy, stretchy, synthetic, and heat sensitive. The Heated Lower Platen is designed to add heat to the bottom platen, allowing for a decrease in temperature on the top platen, eliminating the press box and scorch marks on heat-sensitive fabrics like polyester or spandex.



## HOW IT WORKS

### ELIMINATE SCORCH MARKS

Bottom heat allows for a lower application temperature on the top platen. Sensitive fabrics, like polyester and spandex, are exposed to higher heat on the inside of the fabric which eliminates the heat press box and scorch marks.

### DECREASE APPLICATION TIME

Increase productivity with reduced application time. No heat printing pads, pillows, extra cover sheets, or preheating are required, so you get more done in less time.

### FULLY THREADABLE

Not only is the Hotronix® Heated Lower Platen the first on the market to be fully threadable, it also converts any Hotronix® Clam into a threadable heat press when used with a Heat Press Caddie™.



## PERFORMANCE WEAR



## APPLIQUÉ



## SUBLIMATION



### PERFORMANCE

Anti-static Quick Slip Lower Platen Protector stays cool to the touch for operator safety

Digital microcontroller

16" x 20" surface

Compatible with Hotronix® or MAXX® model clam presses manufactured after 1990

Requires dedicated 20-amp outlet

2-year warranty

### SHIPPING

42 lbs. • 26"L x 18"W x 12"H

*One or more patent and/or patents pending*



# HOTRONIX® HEAT PRESSES

## HOTRONIX® DUAL AIR FUSION IQ™

### PRODUCTIVITY OPTIMIZED

Built for ultimate heat printing efficiency, the Dual Air FUSION IQ™ provides the functionality of two presses with dual 16" x 20" workstations. Program the press to preheat on station A and complete final application on station B, automatically adjusting time and pressure as it shuttles between workstations. It's a smooth, quiet, effortless operation controlled by the push of a button and tap of the foot pedal. Simply power on and choose between dual or independent operation.

The Dual Air FUSION IQ™ also comes standard with a Laser Alignment System, assuring your job is on target every time. The laser system seamlessly integrates into each workstation and is controlled entirely through the touch screen.

### Dual Air FUSION IQ™ (2) 16" x 20" platens

240 volt • 15 amps / 3500 watts

Shipping: 410 lbs. • 45"L x 45"W x 30"H

*Requires air compressor (not included) with minimum 1 horsepower and 5-gallon hold tank. Uses 3.8 CFM.*



## HOTRONIX® AIR FUSION IQ™

### AIR POWERED FOR EFFORTLESS OPERATION

The Air FUSION IQ™ offers a two-button operation which locks the upper platen down, applying accurate, even pressure, then automatically swings open to create a heat-free workspace. Patented Auto Adjust Pressure™ automatically adjusts to the thickness of the item you're printing. Program your time to change from preheating to final application. With up to four time and pressure settings, it's not just possible – it's automatic.

#### Air FUSION IQ™ 16" x 20"

120 volt • 15 amps / 1800 watts

240 volt • 15 amps / 3500 watts

Shipping: 245 lbs. • 40"L x 48"W x 58"H

*Requires air compressor (not included) with minimum 1/2 horsepower and 2.5-gallon hold tank. Uses 2.3 CFM.*

## HOTRONIX® TABLE TOP AIR FUSION IQ™

### SPACE-SAVING TABLETOP DESIGN

Take everything you love about our FUSION IQ™, add the power of an air compressor, the compact size of a tabletop heat press, and you have the Table Top Air FUSION IQ™. With an upper platen that operates with the touch of a button, operator fatigue is a thing of the past.

#### Table Top Air FUSION IQ™ 16" x 20"

120 volt • 15 amps / 1800 watts

240 volt • 15 amps / 3500 watts

Shipping: 180 lbs. • 37"L x 24"W x 24"H

*Requires air compressor (not included) with minimum 1/2 horsepower and 2.5-gallon hold tank. Uses 2.3 CFM.*

## HOTRONIX® FUSION IQ™

### #1-SELLING HEAT PRESS WORLDWIDE

In the decorating business, it's all about customization, and that's what we had in mind when we engineered the FUSION IQ™. You can switch between the draw and swing motions depending on workspace, user preference, or garment. The touch screen technology allows you to program an unlimited number of presets. Add the compatibility of optional Quick Change Platens, and you'll be decorating more than ever.

#### FUSION IQ™ 16" x 20"

120 volt • 15 amps / 1800 watts

240 volt • 15 amps / 3500 watts

Shipping: 150 lbs. • 37"L x 25"W x 24"H





## HOTRONIX® AUTO OPEN CLAM - 11" X 15"

The 11" x 15" Auto Open Clam is perfect for shops with limited space. This lightweight, compact design is also a great choice for heat printing at offsite events.

### Auto Open Clam 11" x 15"

120 volt • 8.3 amps / 1000 watts

240 volt • 4.5 amps / 1000 watts

Shipping: 72 lbs. • 36"L x 25"W x 21"H



## HOTRONIX® AUTO OPEN CLAM - 16" X 16"

The 16" x 16" Auto Open Clam is a popular choice and favored by many shops that print full-size transfers.

### Auto Open Clam 16" x 16"

120 volt • 15 amps / 1800 watts

240 volt • 7.5 amps / 1800 watts

Shipping: 90 lbs. • 36"L x 25"W x 21"H



## HOTRONIX® AUTO OPEN CLAM - 16" X 20"

This best-selling full-size clam's large surface accommodates the application of names and numbers on jerseys, allover sublimation prints, and oversized transfers. Compatible with nearly every optional Quick Change Platen, it's also the most versatile.

### Auto Open Clam 16" x 20"

120 volt • 15 amps / 1800 watts

240 volt • 7.5 amps / 1800 watts

Shipping: 100 lbs. • 36"L x 25"W x 21"H



*Also available in a hover model*

Order the Auto Open Clam as a Hover Press™, which is designed for curing inks during the DTG decorating process. Switch from Hover to Auto Open mode as needed.

### Auto Open Clam Hover Press™

120 volt • 15 amps / 1800 watts

240 volt • 7.5 amps / 1800 watts

Shipping: 100 lbs. • 36"L x 25"W x 21"H

## HOTRONIX® AUTO OPEN CLAM - 6" X 6"

If you're heat printing small items or limited areas of apparel, here's the perfect press. Lightweight and portable, it's ideal for small decorating jobs in the craft market, or other mobile heat printing opportunities.

### Auto Open Clam 6" x 6"

120 volt • 3 amps / 360 watts

240 volt • 1.5 amps / 360 watts

Shipping: 41 lbs. • 26"L x 15"W x 21"H



## HOTRONIX® AUTO OPEN CAP

Decorate with the reliability and accuracy of our Auto Open Cap press. A cap hold-down device pulls the front of the cap taut, securing it while providing a smooth surface for heat application. Decorate a variety of cap styles with four optional Quick Change Platens.

### Auto Open Cap

120 volt • 4 amps / 500 watts

240 volt • 2 amps / 500 watts

Shipping: 41 lbs. • 26"L x 15"W x 21"H



## THE MAXX® CLAM

The MAXX® is the best-selling low-cost heat press. Trust these budget-friendly machines to outperform every press in their class.

Whether you're just getting into heat printing, heat printing part time, or need a back-up press, these durable machines are the perfect partner.

### The MAXX® Clam 11" x 15"

120 volt • 8.3 amps / 1000 watts

240 volt • 4.5 amps / 1000 watts

Shipping: 72 lbs. • 36"L x 25"W x 21"H



### The MAXX® Clam 15" x 15"

120 volt • 10 amps / 1800 watts

240 volt • 7.5 amps / 1800 watts

Shipping: 78 lbs. • 36"L x 25"W x 21"H



### The MAXX® Clam 16" x 20"

120 volt • 15 amps / 1800 watts

240 volt • 7.5 amps / 1800 watts

Shipping: 104 lbs. • 36"L x 25"W x 21"H



## THE MAXX® CAP

This manually operated clamshell design is economical and easy-to-operate. The MAXX® Cap offers a digital time and temperature display, and cap hold-down device that keeps caps securely in place during heat printing.

### The MAXX® Cap

120 volt • 4 amps / 500 watts

240 volt • 2 amps / 500 watts

Shipping: 41 lbs. • 26"L x 15"W x 21"H



## STAHL'S HOTRONIX® PREMIER WARRANTY

*Lifetime on heating element*

*5-year on framework*

*2-year on circuit board*

*1-year parts and labor*

*Free lifetime technical support*

## STAHL'S HOTRONIX® MAXX® WARRANTY

*Lifetime on heating element*

*1-year parts and labor*

*Free lifetime technical support*

# HEAT PRESS ACCESSORIES

## HOTRONIX® HEAT PRESS LASER ALIGNMENT SYSTEM

For fast, accurate, and precise placement, choose the Hotronix® Heat Press Laser Alignment System. This tabletop unit features four adjustable lasers and is compatible with any brand of heat press. Included is the Laser Alignment Wizard™, a heavy-duty, spiral-bound template that contains five popular layouts. Simply align each bulb to the guides for accurate positioning.



## HOTRONIX® HEAT PRESS CADDIE™ STAND

The Heat Press Caddie™ Stand is an adjustable pedestal stand that converts any Hotronix® Auto Open or MAXX® Clam into a threadable heat press. Self-leveling casters provide portability and stability, allowing you to take advantage of mobile heat printing opportunities.

*Also available in a countertop version.*



## HOTRONIX® HEAT PRESS CADDIE™ SHELVES

Designed to easily attach to your Hotronix® Heat Press Caddie™ or Air FUSION IQ™ pedestal stand, these sturdy, adjustable shelves keep your heat transfer products, blanks, and accessories within reach. Both trays can be rotated in either landscape or portrait position, offering you convenience and flexibility.







## STAHL'S EZ WEEDING™ TABLE

The bond between a heat transfer material and its carrier lessens when heated. This patented table heats materials slightly to promote removal from the carrier, resulting in easier weeding with less material breakage.

- 20" x 36" weeding area - a full yard of weeding production
- Three temperature settings - 110°F for fine-detailed designs, up to 130°F for maximum productivity on larger jobs
- Top clamp holds materials in place while weeding
- Built-in storage compartment
- Fits most production tables and countertops

Actual Weight: 27 lbs.

Shipping Weight: 28 lbs.

Dimensions: 39"L x 27.5"W x 4"H (Closed)

Dimensions: 39"L x 27.5"W x 17"H (Open)

Shipping Dimensions: 31"L x 43"W x 8"H



## HEAT PRINTING EQUIPMENT CART

Add more counter space to your shop with this heavy-duty steel cart.

Designed to hold the Dual Air FUSION IQ™, it can also be used with other heat presses, small vinyl cutters, printers, and more. Pivoting wheels allow for easy movement around shops or at events, and lock to ensure stability.

- Powder-coated, scratch-resistant, heavy-duty steel
- Holds up to 600 lbs.
- Adjustable height, from 17" to 35"
- Lockable, pivoting wheels

Actual Weight: 122 lbs.

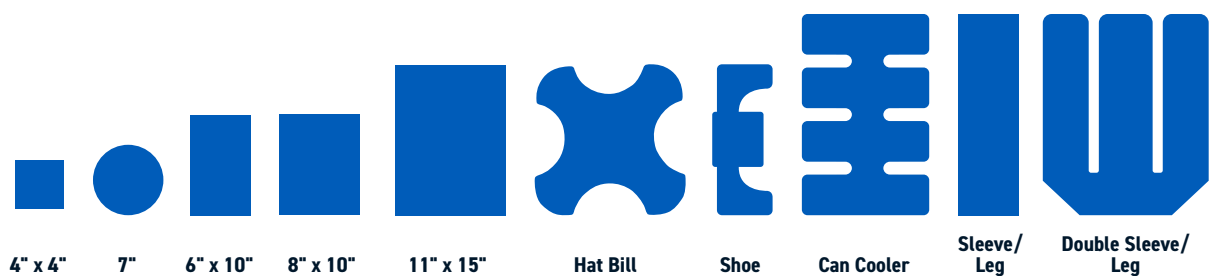
Shipping Weight: 126 lbs.

Dimensions: 37.6"L x 24"W x 17.3"H

Shipping Dimensions: 38.2"L x 24.8"W x 18.11"H



# THE RIGHT PLATEN FOR YOUR HEAT PRESS



	4" x 4"	7"	6" x 10"	8" x 10"	11" x 15"	Hat Bill	Shoe	Can Cooler	Sleeve/ Leg	Double Sleeve/ Leg
DUAL AIR FUSION IQ™	•	•	•	•	•	•	•	•	•	•
AIR FUSION IQ™	•	•	•	•	•	•	•	•	•	•
FUSION IQ™	•	•	•	•	•	•	•	•	•	•
AUTO OPEN CLAM (16" x 20")	•	•	•	•	•	•	•	•		•
AUTO OPEN CLAM (16" x 16")	•	•	•	•	•	•	•			
AUTO OPEN CLAM (11" x 15")	•	•	•	•	•		•			
THE MAXX® CLAM (16" x 20")	•	•	•	•	•	•	•	•		•
THE MAXX® CLAM (15" x 15")	•	•	•	•	•	•	•			
THE MAXX® CLAM (11" x 15")	•	•	•	•	•		•			

Compatible with heat presses manufactured after 2014. Custom platens available. Call 800-727-8520 for a quote.

## QUICK CHANGE PLATENS

Use interchangeable platens to decorate a wide variety of apparel and accessories. Platens are compatible with Hotronix® and MAXX® brand presses.

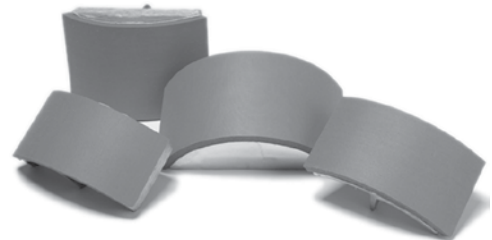
<b>4" x 4"</b> — for small garments and accessories
<b>7" Round</b> — for duffle bags
<b>8" x 10"</b> — for tote bags
<b>6" x 10"</b> — for left chest & hoodie pockets
<b>Best Value</b> — Set of 3 (7" Round, 8" x 10", 6" x 10")
<b>MVP 11" x 15"</b> — for women and children's apparel
<b>Shoe 6" x 15"</b> — for athletic footwear
<b>FUSION® Sleeve/Leg 6" x 20"</b> — for long, slender items
<b>Double Sleeve/Leg 16" x 20"</b> — for long, slender items
<b>Can Cooler</b> — for 8 collapsible can coolers
<b>Hat Bill</b> — underside or top



## INTERCHANGEABLE CAP PLATENS

Interchangeable cap platens make decorating hats easy. Whether you have a low-profile or oversized hat, we have a platen that fits. For heat press machines purchased prior to 2012, visit [stahls.com](http://stahls.com).

<b>All Star 2½" x 6½"</b> — for low-profile caps
<b>Rookie 3" x 5½"</b> — for low-crown caps
<b>Slugger 4" x 6½"</b> — for full-crown ball caps
<b>Champ 4" x 8"</b> — for oversized caps
<b>Best Value</b> — Set of 4 (1 each)



## PLATEN COVERS

**Quick Slip Lower Platen Protector** - This fitted cover slips snugly over the bottom platen, making it easy to slide the garments on the platen. It also reduces wear and tear on the lower platen.

<b>6" x 10"</b>
<b>8" x 10"</b>
<b>11" x 15"</b>
<b>15" x 15"</b>
<b>16" x 16"</b>
<b>16" x 20"</b>

**Upper Platen Cover** - This fitted cover slips snugly over the upper platen, protecting it from inks, adhesives, and other residue during the heat printing process.

<b>16" x 20"</b>
------------------

**Silicone Upper Platen Cover** - Greatly reduces heat press imprint on performance wear and other heat-sensitive fabrics such as neoprene and Lycra®/spandex.

<b>16" x 20"</b>
------------------





# CONTACT US

## **Stahls' Hotronix®**

One Industrial Park  
Carmichaels, PA 15320  
USA

## **Technical Support**

800.727.8520

*Speak with a representative*

*24 hours a day,*

*7 days a week,*

*365 days a year.*

## **Customer Service**

800.727.8520

Monday - Friday

8AM - 5PM EST

## **Replacement Parts**

800.727.8520

8AM - 7PM EST

## **Web**

Hotronix.com



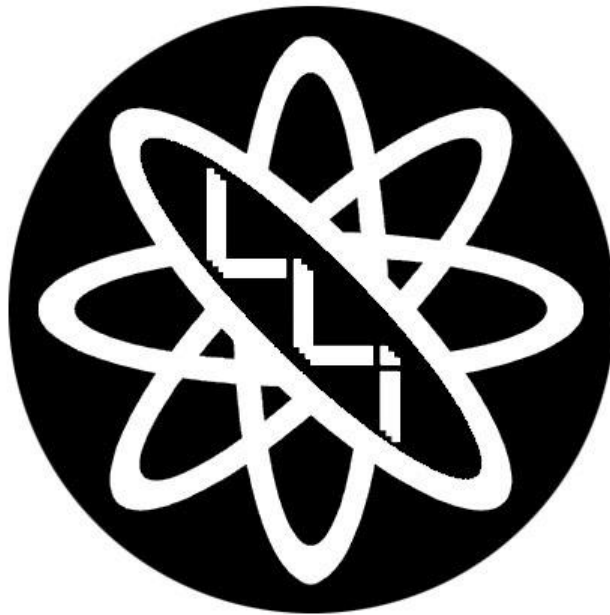
**Proudly Made in the USA**

**STAHL'S**  
**Hotronix®**

HOTRONIX.COM | 800.727.8520

Hotronix® is a registered trademark of Stahls' Inc. with numerous patents/patents pending. ©Stahls' Inc. 2018

# Large Format Trimmers



[www.LLI.com](http://www.LLI.com)

[sales.dept@lli.com](mailto:sales.dept@lli.com)

**1-800-334-4943**

# Large Format Trimmers

Professional Rolling Series

**DAHLE**



Rolling Trimmers are the new generation of paper cutters. Designed for safety and accuracy, the cutting blades are encased in a plastic housing that virtually eliminates the chance of injury. The rotary action of these trimmers allows the blade to cut in either direction and sharpen itself as it cuts. It's this self-sharpening action that produces a clean burr-free cut and guarantees many years of smooth, precise cutting.

Dahle now offers a line of large format rolling trimmers designed for performance and accuracy. This Professional Series offers a cutting capacity of up to 14 sheets (model 556 S) or 12 sheets (model 558 S) of paper at a time. These commer-

cial grade trimmers feature a self sharpening blade and automatic clamping system to securely hold your work in place. A metal stand with paper catch offers a stable and secure mounting solution for the trimmer. This stand also maximizes floor space while providing an optimal and comfortable height for trimming. This trimmer is the perfect solution for cutting oversize paper, large format images, and press sheets.

Dahle Professional Series large format rolling trimmers are available in 37 3/4" and 51 1/8" cutting lengths. They are the preferred choice among professional photographers, print shops, and graphic design agencies.

## Features

- Blade is encased in protective housing
- Cuts up to 14 sheets of paper at a time (556 S)
- Self sharpening blade cuts in both directions
- Automatic paper clamp holds work securely
- Sturdy metal base with preprinted guides
- Includes stand for optimal trimming height
- Imprinted protractor for angled cuts
- German Engineered for precision & accuracy



Features a ground self-sharpening rotary blade that cuts in either direction.



Automatic clamp holds work securely and prevents shifting while trimming.

## Specifications

Item	Cut Length	Capacity	Dimensions
556 S	37 3/4"	14 Sheets	45 1/2" x 14 1/8"
558 S	51 1/8"	12 Sheets	58 1/2" x 14 1/8"

**NOVUS** **DAHLE**

Distributed by  
 **Learning Labs, Inc.**  
1-800-334-4943  
[www.lli.com](http://www.lli.com)



# Large Format Trimmers

Premium Rolling Series

**DAHLE**



Rolling Trimmers are the new generation of paper cutters. Designed for safety and accuracy, the cutting blades are encased in a plastic housing that virtually eliminates the chance of injury. The rotary action of these trimmers allows the blade to cut in either direction and sharpen itself as it cuts. It's this self-sharpening action that produces a clean burr-free cut and guarantees many years of smooth, precise cutting.

Dahle now offers a line of large format rolling trimmers designed for performance and accuracy. This Premium Series offers a cutting capacity of up to 22 sheets (model 446 S) or 20 sheets (model 448 S) of paper at a time as well as mat board. This performance is made possible by a thick

walled aluminum guide rod which provides maximum strength with minimal side movement of the cutting head. These commercial grade trimmers are perfect for cutting oversize paper, large format images, and press sheets. A metal stand with paper catch offers a stable and secure mounting solution for the trimmer. This stand also maximizes floor space while providing an optimal and comfortable height for trimming.

Dahle Premium Series large format rolling trimmers are available in 36 3/4", 51 1/8", and 72" cutting lengths. They are the preferred choice among professional photographers, picture framers, and print and copy shops.

## Features

- Blade is encased in protective housing
- Cuts up to 22 sheets of paper at a time (446 S)
- Easily trims standard size mat board
- Self-sharpening blade cuts in both directions
- Automatic paper clamp holds work securely
- Sturdy metal base with preprinted guides
- Includes stand for optimal trimming height
- Imprinted protractor for angled cuts
- German Engineered for precision and accuracy



Adjustable guide can be mounted on either side of the trimmer to easily line up repetitive cuts.



Features a ground self-sharpening rotary blade that cuts in either direction.

## Specifications

Item	Cut Length	Capacity	Dimensions	Floor Stand
446 S	36 3/4"	22 Sheets	44 1/8" x 15 1/8"	# 796
448 S	51 1/8"	20 Sheets	59" x 15 1/8"	# 798
472 S	72"	12 Sheets	79 1/2" x 15 1/8"	# 799

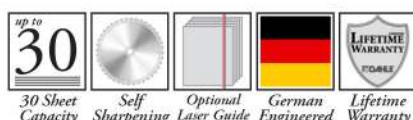
**NOVUS** **DAHLE**

Distributed by  
 **Learning Labs, Inc.**  
 1-800-334-4943  
 www.lli.com

# Large Format Guillotines

Premium Series

**DAHLE**



Not all projects can be cut on standard size trimmers. For these large format applications, Dahle has created a Premium Series of large format guillotines. These commercial grade cutters are designed to cut large amounts of paper with your safety in mind. This series has built in features that will make your cutting task a safe and pleasurable experience.

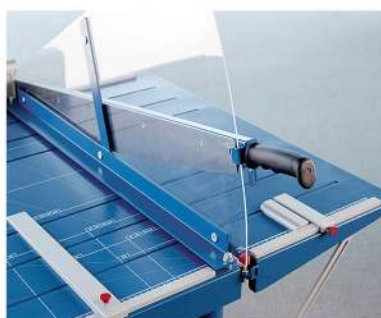
Dahle's Premium Series large format guillotines offer an acrylic fan guard to prevent injury by keeping hands from being in the wrong place. The ground, self-sharpening cutting blade is made of German Solingen steel and maintains a perfectly honed edge every time it is used. This blade

can also be locked to prevent unsupervised use by others. The manual foot clamp holds material securely across the entire cutting surface. A spindle driven backstop on the "cut off" table and optional laser guide ensures that each cut is as accurate as possible. This guillotine sits on top of a permanently mounted stand to ensure proper height and leverage for trimming.

Dahle's Premium Series large format guillotines are German engineered and available in 32" and 43 1/4" cutting lengths. They can be found in art departments, custom frame shops, and print & copy centers throughout the world.

## Features

- Acrylic Safety Shield protects hands
- Spring system prevents blade from falling
- Ground self-sharpening blade
- Cuts up to 30 sheets of paper at a time
- Automatic clamp holds work securely
- Adjustable guide for repetitive cuts
- Sturdy metal base with preprinted guides
- Includes stand for optimal cutting height
- Narrow strip cutting guide not included



Extendable "cut off" table offers convenience and versatility when trimming larger items.



Optional laser ensures accuracy by illuminating the cut line across the entire cutting surface.

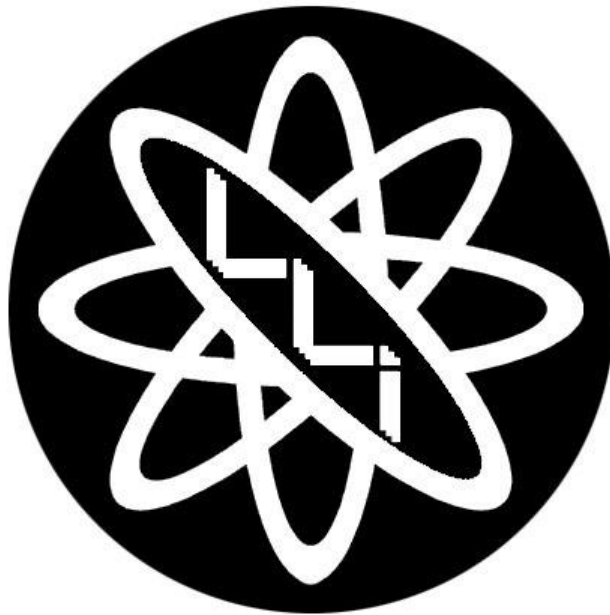
## Specifications

Item	Cut Length	Capacity	Dimensions	Accessory
580	32"	30 Sheets	36" x 33 1/2"	797 laser
585	43 1/4"	30 Sheets	53" x 41"	797 laser

**NOVUS** **DAHLE**

Distributed by  
**Learning Labs, Inc.**  
1-800-334-4943  
[www.lli.com](http://www.lli.com)

# Laminators



[www.LLI.com](http://www.LLI.com)

[sales.dept@lli.com](mailto:sales.dept@lli.com)

**1-800-334-4943**



# SEAL® 65 Pro MD

## Technical Specifications

	English	Metric
Max. Working Width	65" max	1651 mm max
Max. Speed	15 ft/min	4.25 m/min
Max. Substrate Thickness (Nip)	2"	50mm
Max. Roller Temperature	275F	135C
Roller Heating	Dual (Top/Bottom)	
Auto-grip Shafts		
Supply	4	
Drop In	3	
Maximum Roll Diameter		
Supply (4 positions)	12"	305mm
Take-up (2 positions)	8"	200mm
Combi+ (2 positions)	10"	254mm
Maximum Film Weight	120 lbs	54 kg
Dimensions (w x h x d)		
Without roll trough	91" x 62" x 51"	2311 x 1575 x 1320mm
With roll trough	91" x 62" x 55"	2311 x 1575 x 1397mm
Shipping dimensions (w x h x d)	99" x 63.5" x 42.6"	2515 x 1613 x 1083mm
Weight		
Net Weight	1850 lbs	839 kg
Shipping Weight	1955 lbs	887 kg
Electrical Specifications		
US/Canada	208-230V, 50/60Hz, single phase, 50 amp - NEMA 6-50 Plug	
Europe	230/400V, three phase, 20 amps. IEC 60309-1, 32 amp	
Mechanical Requirements	2 cfm compressed air @ 100 psi	
SEAL 65 Pro MD Part Number	64600	
Warranty	1 year parts / 6 months labor	
Extended Warranty	Options available to cover your machine for 3 years total (includes Standard Warranty).	

\* Specifications may change without notice.

+ Position for Auto-grip shaft on the laminator that can be used for either supply or take-up.

### Optimum Performance

- Dual IR Quartz heated rollers
- Precision roller design
- Pneumatic roller adjustment
- Fast 15ft/min production speed
- Best warranty in the industry
- Bi-directional operation

### Ease of use

- Swing out auto-grip supply shafts
- Easy Operator Interface
- Additional supply shaft storage
- Movable control panel
- Minimal maintenance
- Flip up in-feed table for easy webbing

### Safety

- CE approved
- Foot switch for hands free operation
- Safety eyes for increased operator safety



# SEAL® 65 Pro MD

## Wide Format Laminator



 **Learning Labs, Inc.**  
**1-800-334-4943**  
**www.lli.com**



340262/02/2014

SEAL  
7091 Troy Hill Drive  
Suite B  
Elkridge, MD 21075  
U.S.A.  
Tel: 800-257-7325  
Local: 410-540-8900  
Fax: 800-966-4554

SEAL Canada  
1601 Matheson Blvd E., Unit 4  
Mississauga, Ontario



SEAL® is a registered trademark of ACCO BRANDS

[www.sealgraphics.com](http://www.sealgraphics.com)

## The Ultimate Laminator for Finishing Professionals.



# Introducing The All New SEAL® 65 Pro MD

The SEAL 65 Pro MD is the Ultimate Laminator for finishing professionals requiring a high production, versatile laminator that can run both hot and cold applications. Utilizing cutting edge technology, the 65 Pro MD is capable of running thermal film at two to three times the speed of other laminators on the market - definitely a time saving asset to your business. Measuring 65" wide, this state of the art, multi-functional laminator delivers SEAL quality and performance at a competitive price.

Combining over 100 years of knowledge and experience in engineering and design, the 65 Pro MD incorporates the newest technology available on the market today with best features currently in use in the SEAL family of roller laminators. The SEAL 65 Pro MD is manufactured in our ISO certified facility in Sun Prairie, WI and offers the best warranty in the industry. Safety and reliability are top priority which is why the 65 Pro MD carries both the CE safety certification.

The SEAL 65 Pro MD's design includes two major technological breakthroughs in laminator performance - speed of thermal encapsulation and the Easy Operator Interface™ (EOI).

**Unmatched Speed**  
The SEAL 65 Pro MD laminator, capable of 3 mil thermal encapsulation at speeds of more than 15 feet per minute, will improve the productivity of any finishing department!

State-of-the-art roller and heating element technology enable the 65 Pro MD to run thermal applications nearly three times faster than most competitive laminators on the market today. The new SEAL 65 Pro MD has brought finishing production into the 21st century.

**Ultimate Control**  
The Easy Operator Interface (EOI) is a state-of-the-art touch screen control panel that is mounted on a swivel pendant for easy movement between the front and back of the machine. It grants the operator full access to the functions of the laminator, including temperature, speed, cooling and nip height, all with the simple touch of the screen.

Operators of the 65 Pro MD will have ultimate control of the laminator and instant access to a wealth of information. The EOI delivers maximum flexibility and efficiency to the lamination process leading to cost reductions in labor and materials for your finishing department.

**Peace of Mind**  
As with all SEAL laminators, the 65 Pro MD is manufactured in the USA at SEAL's ISO-certified manufacturing facility. With the best warranty in the industry and its CE certification, owners of the 65 Pro MD have peace of mind in the safety and performance of this laminator. The SEAL 65 Pro MD is the ultimate laminator for finishing professionals who want the ultimate in results and reliability.



The 65 Pro MD is able to effortlessly produce these applications using hot and cold laminating films and mounting adhesives:



**Easy Operator Interface™ - EOI**  
The Easy Operator Interface (EOI) controls the temperature, speed, cooling and nip height with a quick touch of the screen. It allows the operator to monitor jobs from start to finish, ensuring only the highest quality of finished output.



**Swivel Pendant Control Panel**  
The EOI is mounted to a swivel pendant arm that moves easily from front to back. No matter which side of the laminator you are working from, the swivel pendant provides the ultimate flexibility in the control of the laminator.



**Swing Out Auto-grip Shafts**  
The 4 supply shafts on the 65 Pro MD are cantilevered and swing out and away from the laminator so that films and adhesives can be loaded quickly and easily without any obstructions. Films lock into place with a quick twist of the roll - no need for core chucks or collars! The laminator also comes standard with 3 drop in shafts which can be used as either take up or combi, giving the operator complete flexibility to do pressure sensitive or thermal encapsulation as well as all application in-between.



**Removable Front/Rear Image Roll Trough**  
The optional removable roll trough can be attached to either the front or rear of the machine to conveniently feed images into the nip of the laminator.



**Precision Pneumatic Rollers**  
A key to smooth, wrinkle-free graphics is consistent, even pressure and speed across the entire nip. SEAL's precision sinusoidal roller design provides the highest level of performance with every job. The pneumatic rollers are expertly operated using air pressure and move up and down in an instant, allowing for fast set-up and adjustment. Operators can perform more jobs in less time!

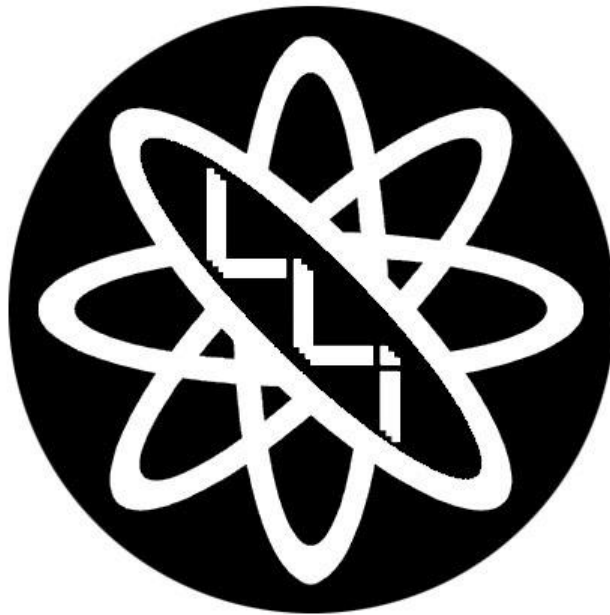
**Bi-Directional Operation**  
The 65 Pro MD can perform thermal and cold lamination and mounting consecutively as a result of its bi-directional operation design. No need to wait for the front rollers to cool down before doing a mounting job. By using the main rollers for hot laminating jobs and the rear rollers for pre-coating substrates or mounting graphics, shops save valuable time.



**Dual Quartz Infrared Heated Rollers**  
The 65 Pro MD's utilizes our new & improved quartz infrared heating elements - which heat quickly to reduce set-up time. The newly-designed rollers on the 65 Pro MD greatly increase the thermal conductivity over previous roller designs. Together these features enable the SEAL 65 Pro MD to maintain a more consistent, uniform temperature across the entire roll surface - even at speeds in excess of 10 feet per minute!



# Laser Engravers



[www.LLI.com](http://www.LLI.com)

[sales.dept@lli.com](mailto:sales.dept@lli.com)

**1-800-334-4943**





Official National Distributor

# ***Laser Technology:***

***Building Classroom Engineers & Entrepreneurs***



***Laser Engraving, Cutting, and Marking Systems***

***A LaserPro Laser Engraver*** brings modern Industry  
into the classroom and shows students the **connection between**  
**Engineering Skills and their Success in the real world.**

**LaserPro<sup>®</sup>**

**Family of Laser Engravers**  
**Safe • Reliable •**  
**Affordable**

***With their ability to cut, etch or mark almost any surface, LaserPro is also the ultimate entrepreneurial springboard for fundraising local manufacturer contract-work & more!***

**FREE**



**with ANY  
laser purchase!**

**CorelDraw** The Latest Version!

The recommended  
graphics software package  
for use with GCC lasers.



**Perfect for  
Middle Schools &  
Limited Space**

**C180 II Desktop**

**Open Front Door Design**

The top cover coupled with the front door open  
design allows easy loading of working pieces.

**\*DC Servo Motors  
In All Models for  
precision engraving!**

**C180 II Specifications:**

Table Size	20.5 x 14.8 in. (520 x 375 mm)
Work Area	18 x 12 in. (457 x 305 mm)
Speed Control	Adjustable from 0.1~100% of 40 ips (Up to 16 color-linked speed settings per job)
Power Control	Adjustable from 0~100% (Up to 16 color-linked power settings per job)
Z-Axis Movement	Automatic
Resolution (DPI)	Available 125, 250, 300, 380, 500, 600, 760, 1000
Computer Interface	Standard parallel printer port and USB 2.0 port (File transmission at USB 2.0 Full Speed rate)
Safety	Class 2 for red pointer
Electrical	100~240 Volt AC Auto Switching
Available Wattages	12W, 40W
Power Consumption	700W- 2640W



Technology Education Concepts | 800-338-2238 | National Academic Distributor



According to a recent Young Entrepreneur Foundation survey sponsored by Visa USA, **90% of teachers and guidance counselors say their students are interested in becoming entrepreneurs; however, 75% of them say their students have no idea where to start.**

## Spirit LS

The **MOST** popular model Nationwide!



**Pass-Through Front and Rear Doors for long working pieces!!!**

**Storage and Solid Steel Cabinetry**



- Covered X-axis linear rail with Kevlar Belt
- Increased Productivity
- Safety Key Switch

### Spirit LS Specifications:

Table Size	31.1 x 20.9 in (790 x 531 mm)
Work Area	29 x 18 in. (740 x 457 mm)
Speed Control	Adjustable from 0.1-100% of 60 IPS (Up to 16 color-linked speed settings per job)
Power Control	Adjustable from 0-100% (Up to 16 colors linked power setting per job)
Z-Axis Movement	Automatic
Resolution (DPI)	Avail 125, 250, 300, 380, 500, 600, 760, 1000, 1500
Computer Interf.	Standard print port and USB 2 port
Safety	Class 2 for red pointer
Electrical	Below 30W, 100-240V AC Auto Switching 40W and above, 200-240V AC Auto Switching
Available Wattages	12W, 25W, 30W, 40W, 60W, 80W
Power Consumption	700 W - 4400 W

### What Teachers are Saying:

**"In ten years of teaching I have never had anything close to the laser when it comes to student engagement and accelerated learning."**

Patrick Dennis, Roosevelt Middle School, OK



# LaserPro®

## Mercury III

Pass Through Front  
and Rear Doors for  
long working pieces!!



The Economic  
"Work Horse!"

### Mercury III Specifications:

Table Size	31.1 x 20.9 in. (790 x 530 mm)
Work Area	25 x 18 in. (635 x 458 mm)
Laser Source	12, 25 or 40 Watt Sealed CO2 Laser
Drive	Closed-loop DC Servo control
Throughput*	166.3 SIPH
Speed Control	Adjustable from 0.1-100% (Up to 16 color-linked speed settings per job)
Power Control	Adjustable from 0~100% (Up to 16 color-linked power settings per job)
Z-Axis Movement	Automatic
Resolution (DPI)	Available 125, 200, 300, 380, 500, 600, 760, 1000
Computer Interface	Standard parallel printer port and USB port
Safety	Class IIIR for red pointer
Electrical	Below 40W, 100~240 Volt AC Auto Switching; for 40W and above, 200~240 Volt AC Auto Switching
Available Wattages	12W, 25W, 40W
Power Consumption	700W, 880W, 2000W (with respect to wattages)

## Spirit GLS

Storage and  
Solid Steel Cabinetry



### Spirit GLS Specifications:

Table Size	40.3 x 27.7 in. (1025 x 705 mm)
Work Area	38 x 24 in. (860 x 610 mm)
Laser Source	30 to 100 Watt Sealed CO2 Laser
Drive	Closed-loop DC Servo control
Throughput*	322.1 SIPH
Speed Control	Adjustable from 0.1-100% of 80 IPS (Up to 16 color-linked speed settings per job)
Power Control	Adjustable from 1~100% (UP to 16 colors linked power setting per job)
Z-Axis Movement	Automatic
Resolution (DPI)	Available 125, 250, 300, 380, 500, 600, 760, 1000
Computer Interface	Standard parallel printer port and USB port
Safety	Class IIIR for red pointer
Electrical	100~240 Volt AC Auto Switching for 30W and below; 200~240 Volt AC Auto Switching for 40W and above models
Available Wattages	30W, 40W, 60W, 80W, 100W
Power Consumption	2000W-4400W

Extra  
42%

**Extra Large Working Area!**  
Extendable to 38" x 24"! The spacious Spirit GLS platform allows for jobs that require a large work area (The GLS is 42% larger than the Spirit's work area).



Teachers all across the country have already used the LaserPro to:

1. Give Students real-world, hands-on Manufacturing Experience.
2. Teach business entrepreneurship.
3. Integrate **every school extracurricular program** in the process:
  - creating class signage • engraving Prom glasses • producing sports awards
  - security-inscriptions on laptops • Booster Club sale-products
  - making contract 3D models for local manufacturers • **and Much More!**

**FREE**  
**CorelDraw™**  
with ANY laser purchase!  
**Recommended**  
Graphics software for use  
with GCC lasers.

## Exclusive Features you will find in the LaserPro Spirit & Spirit GX:



### SmartPIN Auto Focus

The plug-and-play probe design makes focusing a one-touch process and provides the accuracy and precision required for optimum quality in the lasing process.



### Emergency Stop

Big red button located on the top of the machine allows operators to stop the laser and the motion carriage immediately.



### Pass-through Front & Rear Doors

A design with doors on both ends to accommodate extremely long working pieces.



### SmartLID™

Exclusive design allows easy access to daily maintenance.

## Features you will find in EVERY LaserPro Laser Engraver:



### Simple and Intuitive Control Panel

A user-friendly menu-driven interface system simplifies operation.



### Truelmage™

Patented Truelmage feature presents image engravings in its most vivid form.



### Internal LED Lighting

Illuminates the working space giving a clear view of the work in progress.



### Drag & Engrave

Simply hand drag the pen carriage to the desired position to be engraved and press the start button to commence job.

You will find high-precision  
**DC Servo Motors** in ALL models of the  
**LaserPro Laser Engraver** for precision  
engraving every time.

## Essential Options for the Classroom

**Your Representative will customize a package for you that includes everything you will need to get the very most out of your LaserPro Laser Engraver.**

### ✓ Terrific Additions!



#### SMARTGUARD™ Fire Alarm

During the engraving process, flames may be produced when working with combustible or easily-flammable materials, such as paper or wood. The SmartGUARD is an optional item that can be set to notify the operator through audio warnings and automatically shutdown the machine as a safety precaution.



#### Rotary Attachment

**Increase Opportunities by 100%**

Allows for engraving round and cylindrical objects. Your students can engrave glasses for the next prom!



LaserPro Spirit Rotary Attachment	560-0101	\$995*
LaserPro C180 Rotary Attachment	560-0113	\$995*
LaserPro Spirit-GLS Rotary Attach.	560-0116	\$995*

\* Note: Prices and availability subject to change without notice. Although we try our very best to always ensure accuracy, TEC cannot be responsible for typographical or photo error within our collateral or on our website.

### ✓ Highly Recommended!



#### Honeycomb Table

Allows for cutting 100% through materials like foamcore, acrylic and cardboard.

Spirit Honeycomb Table	560-0010	\$480*
Mercury Honeycomb Table	560-0150	\$480*
C180 Honeycomb Table	560-0112	\$360*
Spirit-GLS Honeycomb Table	560-0118	\$680*

## The Best Software to compliment your LaserPro:

**For PC Users:**

**FREE with a laser purchase**

**CorelDRAW Latest Version!**

THE recommended graphics software package for use with GCC lasers.



Student Seats - Call for pricing

**Ready-To-Engrave Images at your Students fingertips!**



Vector Art Collections allow you to start and GO!

**5000+ Images in each collection!**

**\$279.95\* each**

**\$675\* for ALL THREE!**

**✓ Saves Time!**

**✓ Inspires Ideas!**

## Vector Art Mega Collection I, II and III:

Save valuable classroom time with thousands of ready-to-engrave images right at your fingertips! Unlike other "clipart" bundles, Vector Art® is created by some of the best sign and vehicle graphic artists in the world. **And**, a perfect launch to Student's own creations!



Technology Education Concepts | 800-338-2238 | National Academic Distributor



## Essentials



### Air Filtrations Systems from BOFA

These state of the art air filtration and purification systems allow you to use your laser *in any room and any environment* without the hassle of connecting outside duct work to remove smoke and fumes.

Please call for Pricing.



### TEC Air Assist Compressor

Targets a constant stream of compressed air directly across the laser cutting surface, ensuring quality engraving or cutting and reducing the possibility of flaming, scorching and charring when cutting materials such as wood, acrylic and rubber.

Catalog #: 560-0400 \$600\*



Carrying Case Included

### NLC Laser Shield Safety Goggle

560-0250 \$69\*

### What Teachers are Saying:

**"In ten years of teaching I have never had anything close to the laser when it comes to student engagement and accelerated learning. The students have mass-produced some terrific items."**

Patrick Dennis  
Roosevelt Middle School  
Oklahoma City, OK

**"We are making a good deal of money...(we engrave teacher and school-of-the-month awards) on wood with very little out of pocket expense. Key chains are popular among students; especially leather."**

Bobby Skeeters,  
Van High School, TX

### NEW! Laser Starter Kit!

Includes Over 600 Items!



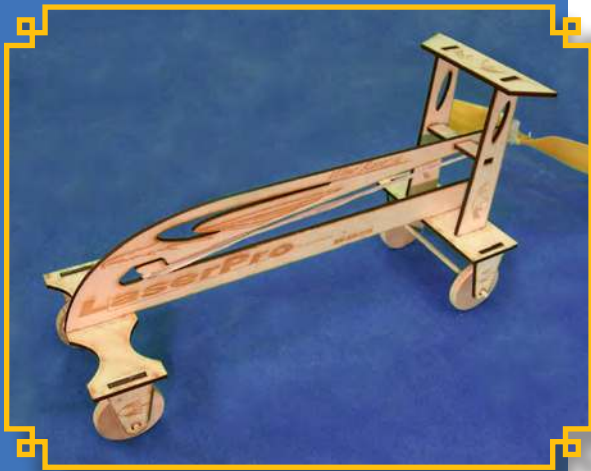
Only \$595!

### PhotoGraV



A "must have" for engraving photos. PhotoGraV has powerful tools for processing photos for laser engraving on a variety of common materials.

560-0414 \$395



# ***Laser Technology:***

## ***Building Engineers & Entrepreneurs***

**LaserPro®**

Family of Laser Engravers

- **Safe** • **Reliable**
- **Affordable**

**C180-II Desktop**



**Spirit GLS**



**Spirit LS**



**Mercury III**

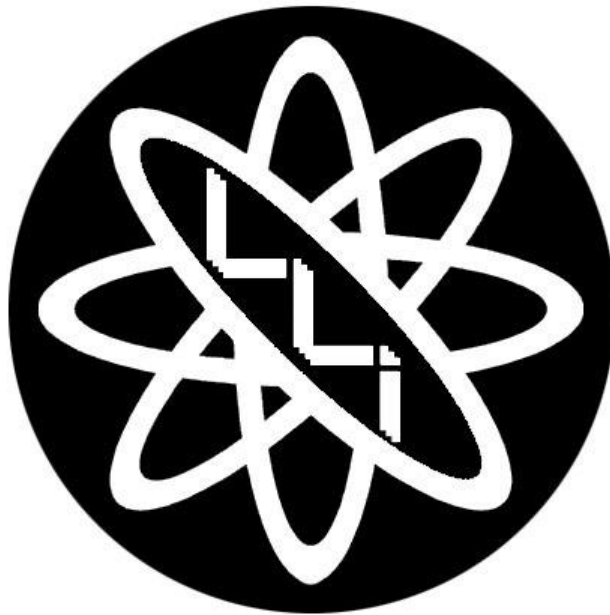


Distributed by:



Technology Education Concepts  
 32 Commercial Street, Concord, NH 03301  
 Phone: 800-338-2238, Fax: 603-225-7766  
 email: Sales@TECedu.com | www.TECedu.com

# Projects/Tutorials



[www.LLI.com](http://www.LLI.com)

[sales.dept@lli.com](mailto:sales.dept@lli.com)

**1-800-334-4943**



# Projects/Tutorials

Learning Labs, Inc. and Roland have created a series of tutorials and STEM projects for various products. These offer teachers and students quick directions on the care, maintenance, and use of the products as well as many projects to get them started.

These projects come with materials to complete the projects multiple times. The following pages include flyers for some of the equipment listed in this PDF.

# LaserPro C180II Laser Engraver

Learning Labs, Inc. offers a series of project-based learning (PBL) resources to accompany leading prototyping and manufacturing hardware. Users of all skill levels can learn by doing, using orientation materials and step-by-step projects.



## Required Materials:

To complete all of the included projects you will need:

- LaserPro C180II Laser Engraver
- LaserPro internal compressor for air assist
- LaserPro C180II honeycomb table
- LaserPro C180II rotary attachment
- Fume extractor
- Pre-filter
- Main filter

Additional materials may be required for some projects.

These are provided in bundled sets. Each set allows you to complete:

- Checker Sets: 50 complete sets
- Engraved Jars: 50 jars
- Birdhouses: 50 complete birdhouses
- Gone Fishin' Whirligig: 50 whirligig
- Image Engraving: 400 engravings
- Model Rockets: 50 rockets with wooden fins



**For more information, please contact:**

**Learning Labs, Inc. • PO Box 1419**

**Calhoun, Ga • 30703 • 1-800-334-4943**

**706-629-6761 (fax) • [www.LLI.com](http://www.LLI.com) • [sales@LLI.com](mailto:sales@LLI.com)**



# LaserPro Spirit LS Laser Engraver

Learning Labs, Inc. offers a series of project-based learning (PBL) resources to accompany leading prototyping and manufacturing hardware. Users of all skill levels can learn by doing, using orientation materials and step-by-step projects.



## Required Materials:

To complete all of the included projects you will need:

- LaserPro Spirit LS Laser Engraver
- LaserPro internal compressor for air assist
- LaserPro Spirit LS honeycomb table
- LaserPro Spirit LS rotary attachment
- Fume extractor
- Pre-filter
- Main filter

Additional materials may be required for some projects.

These are provided in bundled sets. Each set allows you to complete:

- Checker Sets: 50 complete sets
- Engraved Jars: 50 jars
- Birdhouses: 50 complete birdhouses
- Gone Fishin' Whirligig: 50 whirligig
- Image Engraving: 400 engravings
- Model Rockets: 50 rockets with wooden fins



**For more information, please contact:**

**Learning Labs, Inc. • PO Box 1419**

**Calhoun, Ga • 30703 • 1-800-334-4943**

**706-629-6761 (fax) • [www.LLI.com](http://www.LLI.com) • [sales@LLI.com](mailto:sales@LLI.com)**







## Project Based Learning

## The Ready-to-Teach and Easy-to-Learn Solution

### Project Based Learning (PBL)

Roland's step-by-step tutorials work seamlessly with Roland software and machines, making it easy for educators to teach and for students to learn design and engineering skills.

#### A Simply Smart Solution

Fun, simple-to-understand, and hands-on engineering, design and art projects promote intuitive learning — teaching digital fabrication to students of all skills and abilities.

#### Made For Teachers

PBL tutorials reduce time-consuming prep and planning. They help teachers develop lessons that support curriculums and solve issues associated with teaching digital fabrication to large classroom sizes.

#### Made For Students

PBL tutorials allow students to work at their own pace and without strict supervision — offering student's fast results and an immediate sense of achievement.

#### Foundation For Success

Each web-based PBL package contains a series of device specific tutorials to quickly familiarize students with hardware and software — key safety and machine maintenance topics are also covered.



## Confidence-Building Projects

The following examples of Roland devices and accompanying PBL tutorials show the diversity of skills that students can master. Created to be less intimidating than other machine tutorials, these hands-on lessons allow students to learn more, achieve more and build confidence in design, engineering and graphics production.

	MODEL	EXAMPLE PROJECTS	LESSON OBJECTIVES
Vinyl Cutting	<b>GS-24 PBL</b> \$495.00	<ul style="list-style-type: none"> <li>• License Plate</li> <li>• Directional Sign</li> <li>• Window Text</li> <li>• Family Decal</li> </ul>	Vinyl cutting, weeding, and graphic application software is explored.
Print & Cut	<b>BN-20 PBL</b> \$1,195.00  <b>SG Series PBL</b> \$1,195.00	<ul style="list-style-type: none"> <li>• STEM Banner</li> <li>• Window Decals</li> <li>• T-Shirt Transfer</li> <li>• Window Text</li> </ul>	<ul style="list-style-type: none"> <li>• Printing large format signage and banners</li> <li>• Produce decals with contour cut and perforated cut features</li> <li>• Printing thermal transfers for apparel using image editing software</li> <li>• Printing, cutting, weeding, and graphic application is explored</li> </ul>
UV Printing	<b>LEF Series PBL</b> \$1,195.00	<ul style="list-style-type: none"> <li>• Golf Ball</li> <li>• Decorative Tile</li> <li>• Acrylic Award</li> <li>• Phone Case</li> </ul>	<ul style="list-style-type: none"> <li>• Milling a single-sided model using a sacrificial bed on the mill table</li> <li>• Milling a two-sided model using dowel pin registration</li> <li>• Milling one and two-sided models using a self-centering vise</li> <li>• Milling a model in the rotary axis using cylindrical and block material</li> </ul>
3D Milling	<b>SRM-20 PBL</b> \$495.00  <b>MDX-40A/MDX-50/MDX-540 PBL</b> \$1,195.00	<ul style="list-style-type: none"> <li>• Wooden Plaque</li> <li>• Wooden Yo-Yo</li> <li>• Baseball Bat</li> </ul>	<ul style="list-style-type: none"> <li>• Direct-to-surface printing</li> <li>• Use advanced image editing to print with special spot colors</li> <li>• Explore special effects like gloss, matte, and embossing</li> </ul>

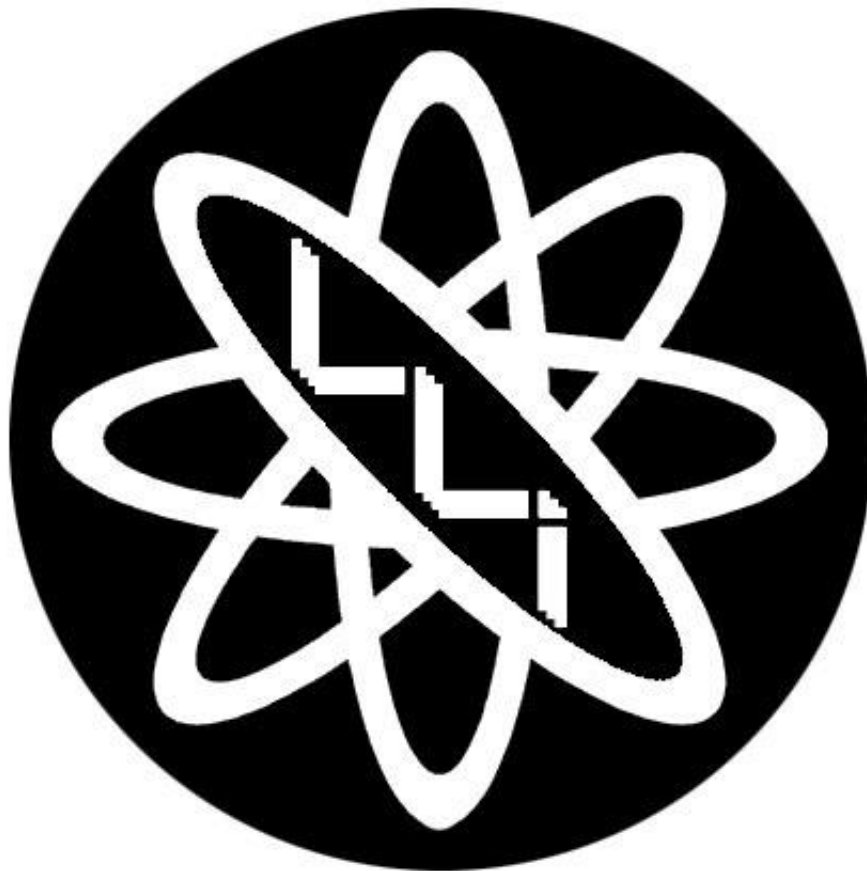
Chart above is an example of the content offered and is subject to change.  
Other hardware, software, accessories and consumable items may be required.

Get social with us



Imagine.  Roland

FOR COMPLETE PRODUCT FEATURES AND SPECIFICATIONS, OR FOR MORE INFORMATION, CALL 800-542-2307 OR VISIT [WWW.ROLANDDGA.COM/EDUCATION](http://WWW.ROLANDDGA.COM/EDUCATION)  
ROLAND DGA CORP. | 15363 BARRANCA PARKWAY | IRVINE, CALIFORNIA 92618-2216 | 800.542.2307 | 949.727.2100



[www.LLI.com](http://www.LLI.com)

[sales.dept@lli.com](mailto:sales.dept@lli.com)

**1-800-334-4943**