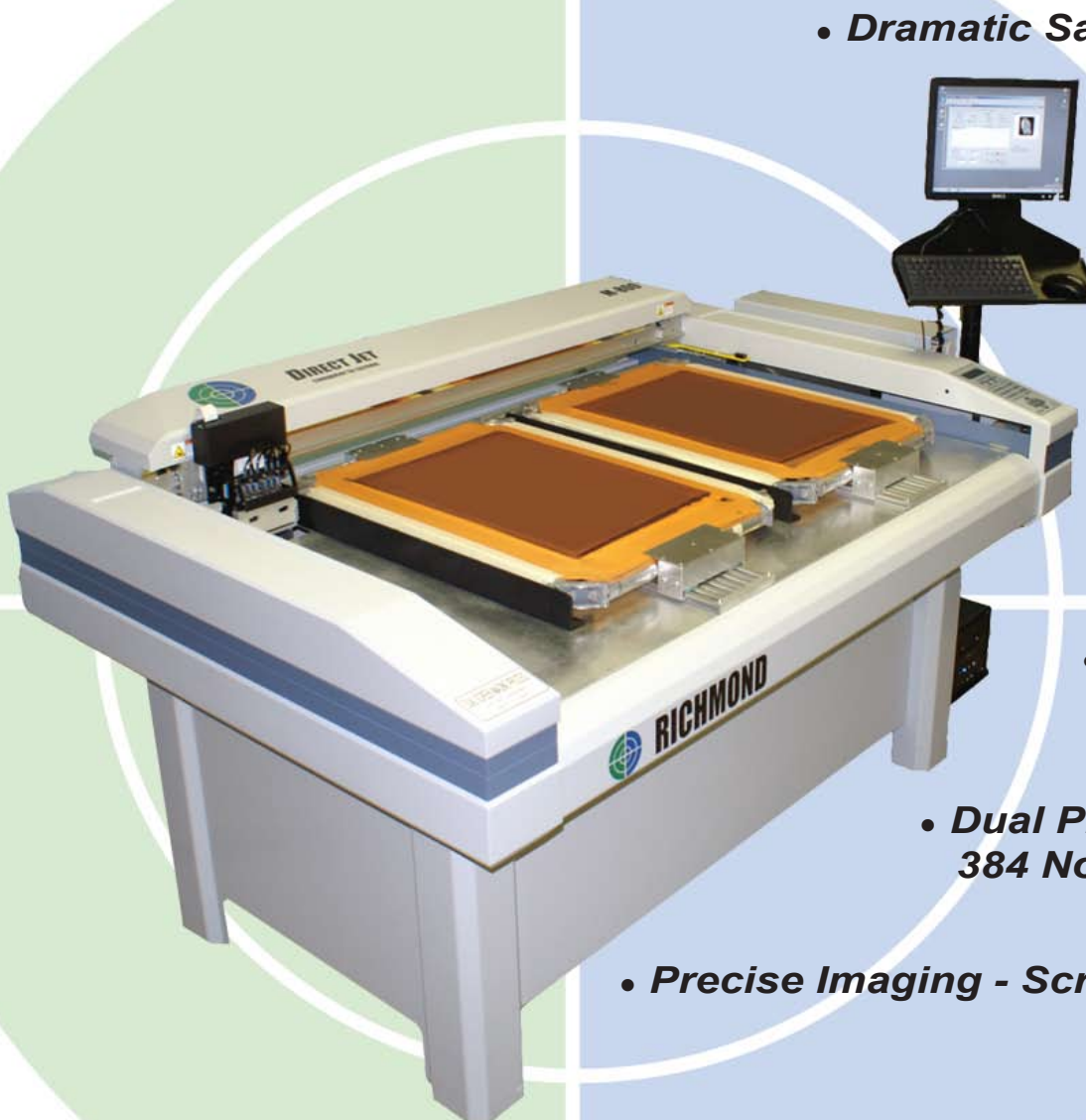


DIRECTJET^{MAX}

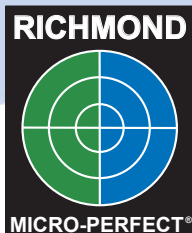
THE Computer to Screen Solution.

Earn Greater Profits & Produce Higher Quality Screens!



- *Dramatic Savings in Labor!*
- *Eliminate All Film Costs!*
- *Faster Set Ups!*
- *Hold 3% Dots!*
- *No Touch Ups!*
- *Water Based, UV Blocking Ink!*
- *Dual Piezo Heads with 384 Nozzles per Head!*
- *Precise Imaging - Screen to Screen!*

Member since 1984



RICHMOND
Graphic Products, Inc.

Computer to Screen Direct Imaging System

The Process and Benefits

Digitally prepared artwork is printed directly onto pre-coated screens using UV resistant, masking ink. The cost of film, chemicals, storage and associated labor is totally eliminated.

The lack of film, glass and vacuum drawdown time eliminates pinhole re-touching and decreases exposure times by as much as 30%! Exact positioning of every screen insures 100% repeatability of image location on every screen resulting in faster registration setups on press.

The finishing steps of screen exposure and washing away the uncured emulsion with water remains unchanged. The results, however, are NOT the same! Previously lost half tone dots are realized down to 2%-3% dots!

The DirectJet CTS provides huge cost savings while producing screens at higher technical standards than screens produced with film! Isn't it time to have one in your shop?

System Features

Ink Delivery System: The print head incorporates a simple to use plug in cartridge system that delivers ink to dual Epson piezo heads that can fire all 384 nozzles simultaneously to lay down "liquid film" onto any standard screen emulsion. No special emulsion is required. The units are equipped

RICHMOND Graphic Products, Inc.

with a software controlled cleaning station that parks and cleans the nozzles between print jobs. The print head is engineered to meet resolution demands of 2%-3% dots in excess of 120 lines per inch at 360, 720, 1080 and 1440 dots per inch.

Software: The easy to use custom software is postscript compatible and can be used with third party RIP software. The DirectJet software allows for high speed screenmaking up to 100 sq. ft./hr. (10 sq.meters/hr). The operator can 'tile' or gang images in exactly the same location for every screen, color to color and screen to screen. Advanced seek and skip features further increase the speed of screen making.

Why Purchase a DirectJet CTS from Richmond?

We know screenprinting! Richmond has been manufacturing equipment for the screen and graphics industries for over forty years. We believe in innovation! Richmond has spent over a decade developing and refining the computer to screen technology with key industry professionals. We are committed to continuous improvement! Richmond will continue to look at ways to provide state-of-the-art machinery that allows customers to excel in a highly competitive, global market.

There are several models well suited for textiles, POP and signage, heat transfers, graphic overlays, membrane switch and other screen printing applications.



Dual Epson Piezo Print Head System

Richmond Graphic Products, Inc.

20 Industrial Drive, Smithfield, Rhode Island 02917

International: 401-233-2700

USA: 800-732-3788

Fax: 401-233-0179

Email: micropt@richmond-graphic.com

Internet: www.richmond-graphic.com

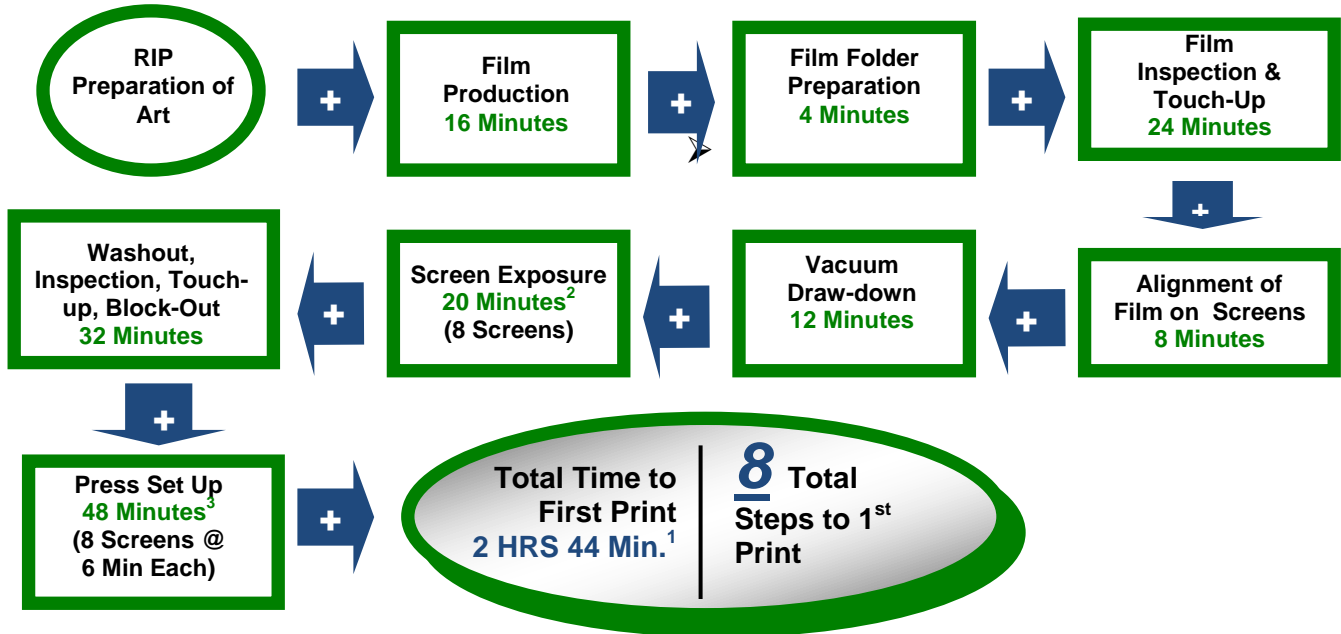
RICHMOND



MICRO-PERFECT™

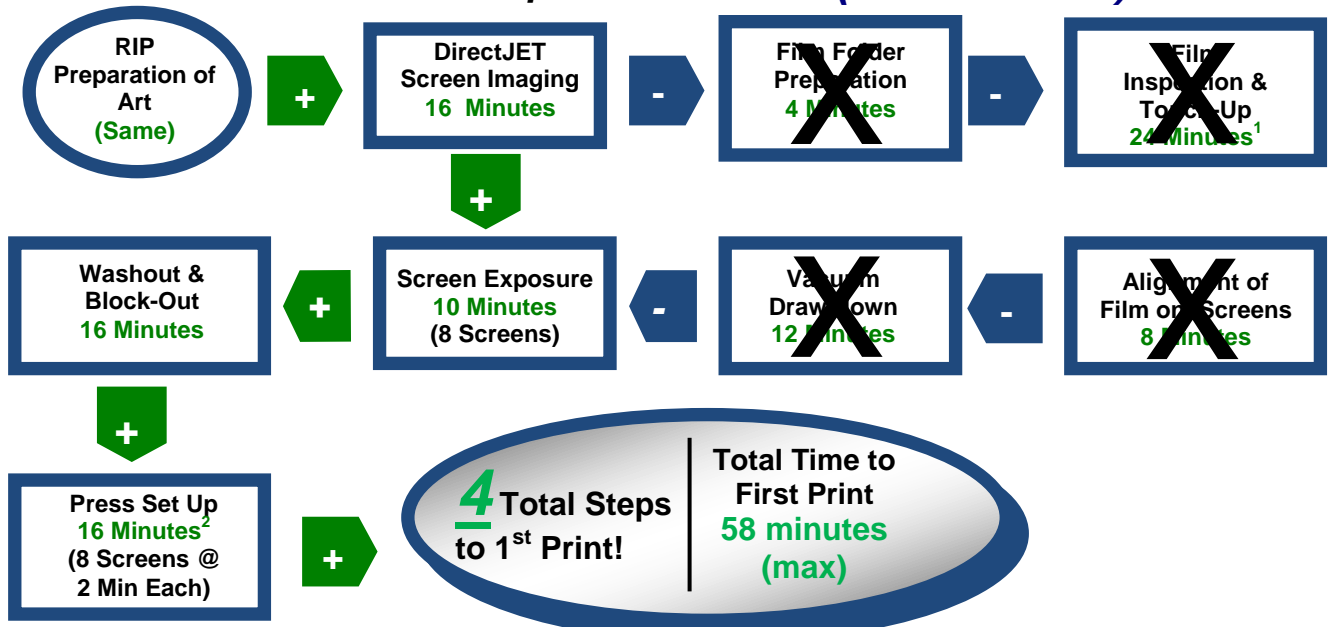
DirectJET CTS Faster Workflow:

OLD Time Flow of Screen Making with Film - (8 Color Job)



1. Times for RIP, inspection, art filing, vacuum drawdown, screen-prep and film production are conservative estimates. Times can be longer depending on equipment & methods used.
2. Exposure times are greater because of glass and film.
3. Registering jobs on press takes longer using film because the images are not located in the precise position from screen to screen.

NEW Time Flow with Computer to Screen - (8 Color Job)



1. The lack of film, glass and vacuum drawdown eliminates pinhole re-touching and overall screen making time.
2. X-Y homing with *DirectJet* CTS results in faster setup times. Exact positioning of every image on every screen insures 100% repeatability of image location screen to screen, color to color resulting in fast registration of printing machines.