

DIRECTJETS

THE Computer to Screen Solution.

Earn Greater Profits & Produce Higher Quality Screens!



1 Eliminate All Film Costs!

1 Faster Set Ups!

1 Hold 2% Dots!

1 No Touch Ups!

1 Water Based,
UV Blocking Ink!

1 Epson Piezo Heads,
384 Nozzles!

1 Precise Imaging - Screen to Screen!

Member since 1984



RICHMOND



MICRO-PERFECT®

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 with a software controlled cleaning station that parks and cleans the nozzles between print



Dual Epson Piezo Print Head System

RICHMOND Graphic Products, Inc.

jobs. The print head is engineered to meet resolution demands of 2%-3% dots up to 120 lines per inch at 360x360, 720x720 and 1080x1080 dots per inch.

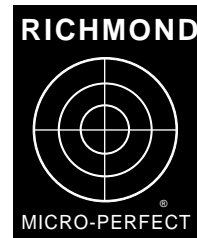
Software and RIP: The RIP software is compatible with PC and Mac files and will accept most common art files such as; eps, ps, pdf, psd, tif, and most other desk top publishing art file formats. It is installed on the output PC or on a separate PC as a designated RIP station. It allows the operator to store separate screens in a print queue which can be printed while files are being RIP prepared in the art department. The software allows for high speed screenmaking up to 60 sq. ft./hr. (6 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. Several images can be printed in one pass with skip features to 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.

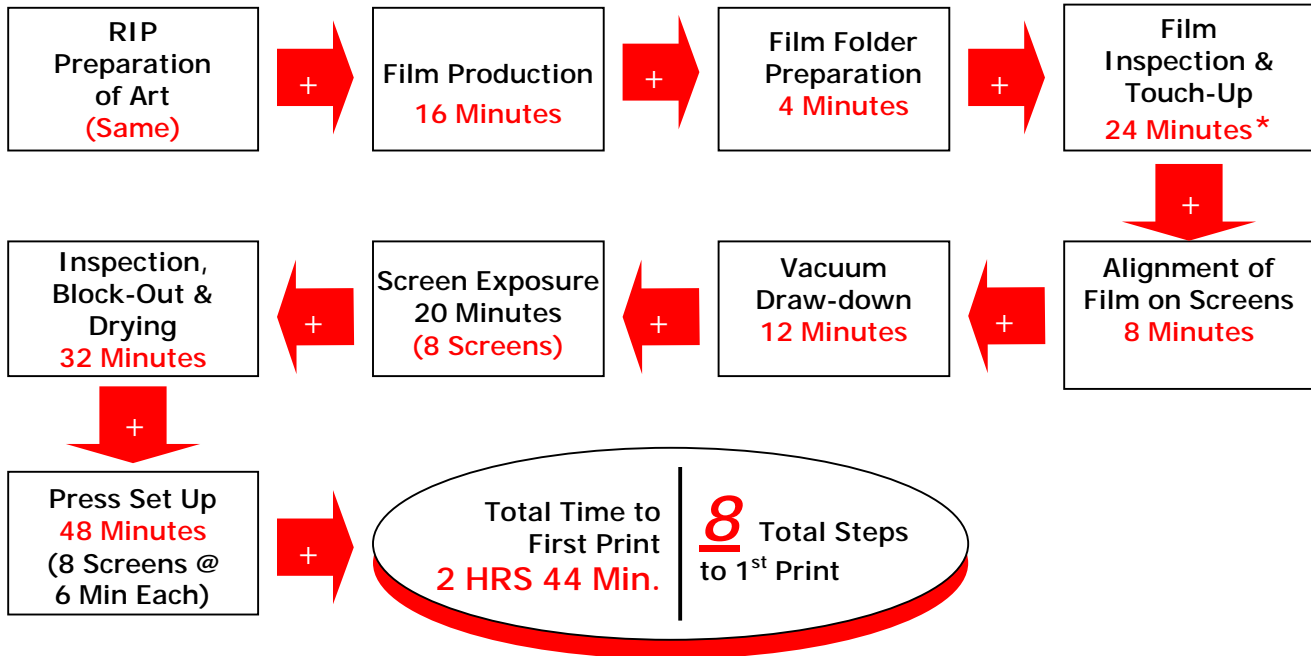
There are 15 Models to accommodate small scale T-shirt printing to large graphic and banner sized printing. To find out which size is right for your operation contact us at:

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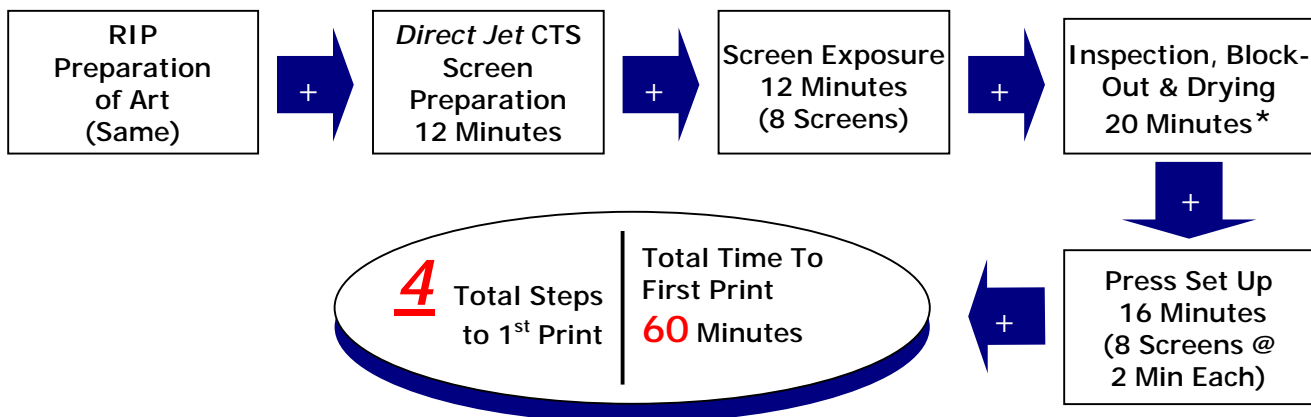
SAVE TIME & LABOR WITH... **DirectJet CTS**

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



*Note: 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.

NEW Time Flow with DirectJet CTS - (8 Color Job)



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

...Shorter setups = more prints per day!