ctga Correct-Touch GRAPHIC ARTS

877.820.6301
www.ctgraphicarts.com

FLEXOGRAPHIC PRINTING SOLUTIONS

Apollo® IJF

Dotworks Film Imaging System

DOT WORKS

- Chemistry-free Digital System
- High-density Output
- Ideal for Sheet and Liquid Flexo Platemaking and Screen Printing
- Widths 230 mm (9") to 1524 mm (60")
- Easy-to-use, Compact Design
- Simple and Affordable to Upgrade

Apollo IJF — Ink Jet Film Production

Economical, All-digital, Chemistry-free Phototools

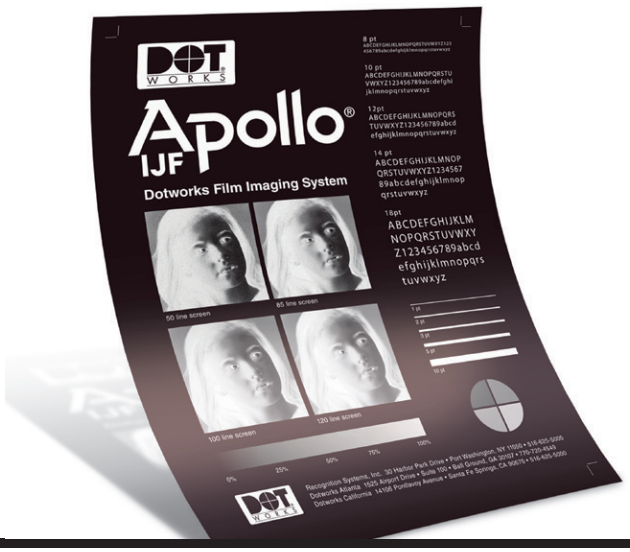
Fast, Affordable Film Production

Apollo IJF is a fast, highly efficient and easy-to-use system for producing film negatives and positives in an all-digital workflow. Apollo IJF employs a liquid imaging fluid (ink) to digitally image film with an ink jet printer.

Printer, film and ink are combined in an optimized system for producing high-density images with excellent black coverage and opacity. Apollo IJF is an economical solution for flexographic printers to produce negative masks for liquid polymer platemaking.

Providing an affordable replacement for conventional film imagesetters, using Apollo IJF does not require any changes in the usual liquid photopolymer plate-making equipment, materials and procedures. Apollo IJF is also applicable in conventional photopolymer plate production for narrow and wide flexographic web presses.

In addition to flexography, Apollo IJF film output is suited for many screen, letterpress and offset printing applications.



Apollo Advantages

Apollo IJF fully capitalizes on the efficiency of digital workflow, delivering significant advantages over traditional silver-based imagesetters.

Because there are no processor or chemicals to maintain, Apollo offers overall cost and laborsaving benefits. Operator involvement is minimal. Producing finished film is as easy as using an ink jet printer. Variables associated with processor and chemistry condition are eliminated.

With the fewest materials involved, no waste, and no chemicals to dispose of, Apollo offers the most environmentally-friendly film production strategy available.

Print Engine

The Apollo IJF print engine is an advanced ink jet technology for printing film. A micopiezo printhead, ten ink channels with 360 nozzles apiece, 2880 dpi resolution, and droplets as small as 3.5 picolitres combine to produce extremely sharp text, line art and dot shape. Its speed meets the most demanding production schedules.

With a small footprint and no other equipment required for making film, Apollo IJF easily fits any prepress or production area. No special training or changes in your infrastructure and workflow are required.

ctga Correct-Touch GRAPHIC ARTS

877.820.6301
www.ctgraphicarts.com

FLEXOGRAPHIC PRINTING SOLUTIONS



Ink

Apollo ink is a high-density black ink. It was specifically developed for printing high-density images on film, achieving maximum opacity and UV blocking ability with instant drying. The result is excellent performance in flexographic plate production. Printed areas are highly scratch resistant.

Film

Apollo film is a microporous polyester-based film manufactured specifically as a digital phototool. Its ink receptive layer accepts the optimum volume of ink, while offering excellent ink adhesion and spread control. It features a matte surface suited specifically for liquid photopolymer flexo plate production, preventing oxygen inhibition, sticking and ink transfer.

Apollo film provides low minimum density in unprinted areas, high maximum density in printed areas, and dimensional stability for accurate and reliable platemaking.

Apollo film is available clear in 0.04 gauge, and matte in 0.05 and 0.08 gauges.

DMin	Visual 0.05, UV 0.08
DMax	Visual up to 4.2, UV up to 4.0
Line Screen	720 dpi: 35–55 lpi 1080 dpi: 55–85 lpi 1440 dpi: 65–85 lpi 2880 dpi: 85–133 lpi

A Simple Upgrade Path

Maintaining the value of your Apollo IJF system and keeping pace with ink jet technology is simple. When your company chooses to upgrade, all you need to change in addition to the printer is your print driver.

Optimized Digital Workflow

The Apollo IJF RIP enhances both the productivity of Apollo systems and the quality of film output. Recognition Systems has designed its RIP to enhance the dot edge on Apollo film. To date, no other system offers comparable technology.

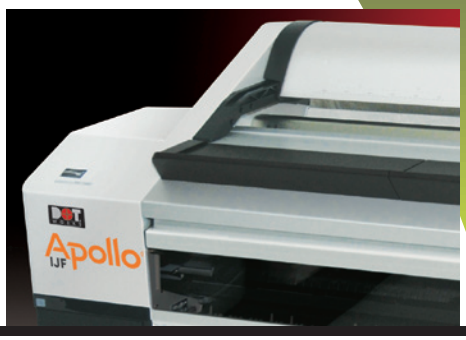
Apollo IJF workflow features:

- PostScript ® level 3 and PDF compatibility
- Remote operation
- High quality screening with corner-to-corner consistent rosettes, pattern-free tints, stable highlights and shadows, and tonal controls
- Dot gain compensation
- Faster speed than many competing RIPs

Apollo digital workflow is scalable with options that include trapping, full featured imposition, ink duct control, and multiple users.

Apollo® IJF

Dotworks Film Imaging System



Specifications

Printer	Apollo IJF 17	Apollo IJF 24	Apollo IJF 44	Apollo IJF 64
Interface	High Speed USB 2.0 and one gigabit Ethernet port			
Dimensions (W×D×H)	848 mm × 765 mm × 354 mm 33.375" × 30.125" × 14"	1356 mm × 667 mm × 1218 cm 53.875" × 26.25" × 48"	1864 mm × 667 mm × 1218 mm 73.375" × 26.25" × 48"	2348 mm × 700 mm × 1196 mm 92.437" × 77.562" × 47.062
Weight	40 kgs / 88 lbs.	85 kgs / 187 lbs.	116 kgs / 255 lbs.	141 kgs / 310 lbs.
Maximum Media Width	430 mm / 17"	610 mm / 24"	1118 mm / 44"	1625 mm / 64"
Operating Environment	Daylight Operation Operating Temperature 17°C – 23°C; 40 – 60% Humidity (Non-condensing)			
Electrical	220 V AC 50–60 Hz or 110 V AC 15 amp	220 V AC 50–60 Hz or 110 V AC 15 amp	220 V AC 50–60 Hz or 110 V AC 15 amp	220 V AC 50–60 Hz or 110 V AC 15 amp

Since 1968, Recognition Systems, Inc. has provided film, paper, imaging and printing products to the graphic arts industry. Its Dotworks brand now encompasses a wide spectrum of legacy and digital products, world-class partnerships, manufacturing initiatives, and distribution channels. The growing portfolio of Dotworks digital products is helping printers of all sizes and manufacturing platforms achieve the highest levels of efficiency,

ctga Correct-Touch GRAPHIC ARTS

4349 Old Santa Fe Road
San Luis Obispo, CA 93401

877.820.6301
805.546.3349 fax

www.ctgraphicarts.com

info@ctgraphicarts.com