

Accurate, Fast and Cost-Effective
Double-Sided Printing

The Proofer is the Press

Preproofer

Digital Information continues to separate their proofing and digital printing solutions from the rest of the pack by offering the latest in two-sided printers. The new Preproofers 770/970, 789/989 and 790/990 are even faster and more automated than previous generations, and take full advantage of the latest, wide-gamut inkjet technology. The systems incorporate sophisticated registration

technology to ensure that printing on the face and reverse of the web media is accurately aligned. The utilization of the new Epson Stylus Pro 7700, 7890, 7900, 9700, 9890 and 9900 printers brings new capabilities to the Preproofer: in addition to double-sided proof production, the system has migrated to a low-cost digital printing system for short runs or advance editions.

Incorporates Cutting-Edge Epson Technology

The 770/789/790 model is smaller for work up to 22"/56 cm print span and the 970/989/990 supports up to 42"/106 cm. All printer models use the same high-quality UltraChrome™ HDR pigmented ink to deliver brilliant quality on the distinctive, two-sided prints. And thanks

to the new generation of TFP piezo print heads, these new Preproofers print significantly faster at the same resolution than their predecessors.

Extended Color Space and Stable Gray Balance

The Preproofer can crank out color-accurate contract proofs, or even faster

content proofs – and both with one-sided or two-sided printing. Epson's unrivaled 11-color ink set (Stylus Pro 7900/9900) delivers the utmost in reproduction quality – cyan, light cyan, yellow, orange and green inks are used along with vivid magenta, vivid light magenta and four different shades of gray and black. As a result, Preproofer output extends into new areas of color space, especially in the hues of magenta, purple and blue.

In addition, change-over from photo black to matte black is fully automatic, allowing for optimum adaptation to different media types. This allows contract proofs that are fully-aligned with industry standards such as ISO and G7. While the large gamut makes easy work of otherwise challenging spot colors, the solution also offers stability in maintaining gray balance, and reduced metamerism.

Trouble-free, stable production

With a minimum of mechanical parts, the Preproofers provide maximum productivity and operational simplicity. Each Preproofer incorporates two inkjet printers engineered in sequence to allow direct inkjet printing on both sides of the paper. The roll-fed system is natively efficient, and requires only a single pass through the system without the need for operator intervention to feed sheets or turn the media over.



The Preproofer relies on the latest Epson Stylus printer models. With their new TFP-generation piezo print heads, imaging speed is considerably faster while maintaining the familiar high resolution and brilliant quality.



The new Preproofer: better technology, fewer mechanical parts.



The innovative video control system uses two cameras to yield high-precision, front-to-back registration – without operator intervention.

New brain behind the system

The new Preproofer 7700, 7890, 7900, 9700, 9890 and 9900 models take advantage of a new control system that assures accurate front-to-back registration via real-time video imagery. The control system continuously monitors and adjusts the print using a 128 bit code printed on the side of the media by the first printer. This innovative approach allows full assurance in the accuracy of print registration, and opens

up attractive new digital-print application areas for the Preproofer, especially if equipped with the fast Epson Stylus Pro 7700 and 9700 five color printers.

Content reliability

Since Preproofer are driven by data from the production workflow, operators can have full confidence that the resulting proofs are predictive of the on-press results. The Preproofer solution includes DI-Plot, Digital Information's bitmap proofing software which has been installed in thousands of shops worldwide. DI-Plot integrates seam-

lessly with most any prepress RIP or workflow and converts the plate image bitmaps to the desired resolution for driving the Preproofer. And to make sure the Preproofer stays productive, the system uses SNMP steering to control the new systems. This system reports status messages such as printer readiness, fill level of the ink cartridges, production advance, paper end etc. in real time. Commercial print, magazine and catalog signatures, packaging work and direct mail can all be printed accurately, productively and with perfect front-to-back registration.

Configuration of Preproofer 770/789/790 and 970/989/990

- 1x DIL Preproofer Kit**
DI-Plot Software package
Standing rack for Epson Stylus Pro 7700/7890/7900 or 9700/9890/9900
Electronic printer control unit for Preproofer
- 2x Video Camera**
- 2x Epson Large Format Printer**
According to Preproofer type, two Epson Stylus Pro 7700, 7890, 7900, 9700, 9890 or 9900 printers. The printers must be connected via their Ethernet port.
- 1x PC**
CPU Intel Core 2 Quad, 2.x GHz (CPU as fast as possible), min 2 GB RAM, 200 GB 7200 rpm hard disk drive, 1x 64 GB Solid State Drive, 4x USB port., 2x Ethernet port, TFT monitor with 19" diagonal (touchscreen recommended).
- 1x Network and USB**
4x RJ45 Ethernet Cable Length (2 m, 2 m, 3 m, 5 m), 1x Ethernet Switch 10/100/100 min 5 Ports, 2x shielded USB 2.0 cable, USB-mini B to USB-A for camera connection, min 2 meters, 1x shielded USB 2.0 cable, USB-A to USB-B, 1x active USB Hub (with Power Supply).

Technical Specifications Preproofer 770/789/790 and 970/989/990

Supported Resolutions (DPI)

360 x 720, 720 x 720.
Printing mode can be selected between unidirectional or bidirectional.

Printing Method

Inkjet, drop-on-demand, piezo technology

Printers Used

2x Epson Stylus Pro 7700, 7890 or 7900
max. print span 22"/56 cm or
Stylus Pro 9700, 9890 or 9900
max. print span 42"/106 cm

Printer Connection

Integrated Ethernet port

Operating System

Windows 7 Professional or Ultimate

Repeatability

+/- 1 mm

Job Size

Preproofer 770/789/790: max. print span 22"/56 cm
Preproofer 970/989/990: max. print span 42"/106 cm

Production Speed

Up to 17 m² double sided printing per hour at 360 x 720 DPI
12 m² double sided printing per hour at 720 x 720 DPI

PC Port

Ethernet

Paper

Various papers 23"/58 cm width for Preproofer 770/789/790.
43"/109 cm width for Preproofer 970/989/990.

Tecco «mediaware DIL Preproofer DUO» exclusively from www.tecco.de.

Recommended Ambient Conditions

Temperature 73°F/23°C
40–50% relative humidity
Zero condensation