

**Inkjet Technology for:**

*Printing industry  
Sign making industry  
Photographic market  
Fine Arts*

**Graphic Arts Technology:**

*Pre Press Proofing  
Imagesetting  
Analog and digital aluminum plates  
Digital polyester plates*

**Technology Center:**

*Technical training  
Workflow analysis and implementation  
Support for digital applications*

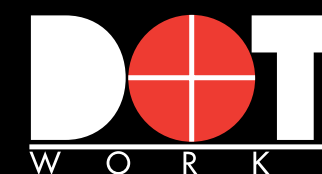


# **Dot Print Polyester Plates Computer-to-Plate Made Easy!**



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# Dot Print Polyester Plates Removing the Barriers to Computer-to-Plate

Dot Print polyester plates turn an existing prepress workflow into a complete Computer-to-Plate (CTP) workflow without the typical, up-front investment in expensive equipment. Dot Print plates can be exposed on almost any HN or RLD imagesetter and processed in many polyester capable rapid access processors. And, since these versatile plates share the same press, compatible ink and most of same lithographic characteristics as metal plates, the transition to CTP is easy and efficient.

Dot Works carries a full line of pressroom products to complement Dot Print Polyester Plates. Whether the press room environment is a hybrid of metal and polyester, or one that uses Dot Print exclusively, enhance and improve the productivity of your facility with a CTP workflow including platesetters, processors and registration systems from Dot Works.

## Platesetters, Processors, Registration Equipment

Dot Works supports Dot Print plates with a number of equipment options to ensure superior plate imaging, processing, trimming, punching and registration.

### Platesetters



Dot Works partners with platesetter manufacturers to supply the right equipment to fit your requirements. Choose based on...

- 2-up or 4-up Applications
- Speed
- Punching Requirements
- Cutting Capabilities
- Budget

### Processors



The Colenta Twin Processors are designed to process both film and polyester plates in one processor. The Automatic Imageline DD Series is actually two processors in one with separate tanks for film and plates. The Manual Imageline TW Series has separate tanks for photographic chemistry and plate chemistry within one processor. A simple flip of a switch determines which chemistry tanks are active.

The Vastech DT-14 and DT-22 processors incorporate a "Deep Tank" roller transport system. The easily adjustable metered chemical replenishment system is ideal for processing medium to high volume polyester plate material. The deep tank with a unique replenishment system ensures maximum stability while providing high resolution with sharp and uniform density output.

### Registration Products



A Transfer Punch & Trimmer quickly and accurately punches and trims imaged polyester plates to match the pin configurations of most manufacturers' presses. These polyester plate systems bridge the gap between the platesetter and the press.

An Optical Register System optically registers and punches press-mounting notches on digitally imaged polyester plates. This system accommodates a wide range of small presses that utilize pin register clamps.

A Polyester Plate Bender accurately registers and bends polyester plate material for sheetfed and web press applications. They include application specific pin register systems.

## Dot Print Polyester Plates Computer-to-Plate Made Easy!

- Low cost entry into CTP
- Use with many existing HN & RLD imagesetters
- Compatible with inks, and can be used on the same press as metal plates
- Exceptional quality, durability, stability and on-press performance; up to 150 lpi
- 20,000 plus impressions with consistent results from start to finish
- Outstanding ink/water balance for excellent water receptivity and ink adherence
- Wide exposure latitude for consistent dot size
- Black & White, Spot and Four-Color applications
- True high resolution four color process
- Extensive equipment line to support CTP workflows

## Specifications

<b>Plate Type</b>	Positive-working offset plate on a dimensionally stable polyester base for exposure in imagesetters
<b>Gauges</b>	5 and 8 mil (0.13 and 0.20 mm)
<b>Spectral Sensitivity</b>	Red sensitive (630 – 670 nm)
<b>Resolution</b>	5% – 95% at 150 lpi
<b>Run Length</b>	20,000 plus impressions
<b>Image color</b>	Blue on black background
<b>Inks</b>	Conventional offset inks
<b>Processing</b>	Qualified rapid access processors
<b>Development &amp; Finishing</b>	Dot Print Activator Dot Print Stabilizer Dot Fount #1 Fountain Solution DTA Additive Dot Control EW Dot Works Deletion Pens
<b>Processor speed</b>	20 second development time
<b>Replenishment Rate</b>	120ml/m <sup>2</sup> for activator and stabilizer
<b>Temperature</b>	Activator - 86° F, ± 10° F Stabilizer - room temperature
<b>Bath life</b>	2 to 6 weeks depending on volume
<b>Packaging</b>	Daylight rolls and cassettes
<b>Storage Conditions</b>	Prior to processing – 2 years stored below 68° F After processing – several months, protect from light and high humidity

## Typical Installation and Utilization

