



## Digital Web Press

*iTi's Digital Web Press (DWP) delivers compelling economics for printing applications that require short or variable production runs of non-repetitive patterns, or precise deposition of jettable fluids for digital manufacturing applications. It is a flexible, highly adaptable platform for OEMs and end users with variable image printing requirements, or those who want to integrate proprietary fluids and/or substrates with digital roll stock print capability.*

- Holds up to 24" (610 mm) outer diameter stock rolls
- Supports 4 to 12 printheads, depending on manufacturer
- Accommodates 2.5" to 6" (64 mm to 152 mm) substrate width
- Touch screen user interface for simplified operator control
- Up to 80 ft/min (24 m/min) print speed
- Cost-effective customizations available

The Digital Web Press is a roll to roll, narrow web production system for color and monochromatic label printing, and for electrical and biopharmaceutical production applications using flexible substrates. These applications benefit from the introduction of digital workflow which minimizes set-up costs, enables efficiencies in short-run production, and offers a compelling alternative to traditional analog production methods

The DWP allows on-demand production with per unit product differentiation and just-in-time delivery. Digital control provides users the ability to quickly generate images to be printed and enables high speed printing of small batch runs with no setup time between jobs. Digital control eliminates high setup costs and long lead times

associated with traditional web presses which require high volume production runs to be economical.

The DWP has a customizable color touch screen user interface that can be optimized for individual production applications. It features sturdy anodized aluminum and stainless steel construction with a substrate handling system that minimizes cross process error (web weave) and speed variations for optimal image quality.

The DWP can print up to 80 ft/min (24 m/min) and supports up to 6 colors. The DWP incorporates an optional curing system, including UV, IR or hot air blowers to make ink selection highly flexible. It is designed for 24/7 production environments with minimal operator intervention.

### Practical solutions. Powerful results.

At imaging Technology international Corporation, we craft deceptively simple solutions to complex challenges in digital inkjet integration for industrial production applications. These breakthroughs deliver outstanding performance and cost-effective operation for high-value production processes. With advanced tools and a proven track record that dates back to 1992, iTi can shape a world-class solution that makes sense for any inkjet challenge.

# Digital Web Press

## Print Mode

- Supports up to 6 colors
- Print to rewind reel or optional post process feed

## Substrate Features

- Supports flexible rolled substrates from 2.5" to 6" (64 mm to 152 mm) in width (actual print width is dependant upon printhead configuration)
- Coated or uncoated paper, plastic films, and label stock
- Core diameter 3" (76 mm)
- Roll capacity up to 24" (610 mm) diameter

## Substrate Path Control

- High precision web path
- Tension control dancers
- Ultrasonic web guide/steering roll
- High resolution quadrature output encoder
- Adjustable nip pressure
- Unwind/rewind air chucks with roll diameter monitoring
- Unwind brake
- Rewind clutch
- Chrome plated rollers and platen

## Printhead Maintenance System

- Capping and purge drawer
- Automatic printhead elevation for cleaning

## Ink Supply System

- 5 Liter bulk ink supply per printhead

## Throughput

- Adjustable speed from approximately 30 to 80 ft/min (9 to 24 m/min)

## Graphic Formats

- Printhead drive electronics dependent

## Safety

- Emergency stop removes all power from system
- Integrated ventilation system

## Physical Attributes\*

Width – 75" (1.9 m)  
Depth – 55" (1.4 m)  
Height – 79" (2.0 m)  
Weight ~ 1400 lbs (635 kg)

- Casters with leveling feet
  - Aluminum and stainless steel construction
- \* dimensions do not include exhaust or display console

## Electrical / System Requirements

- Voltage – 220 / 240 V AC
- Amperage – 20 to 40 Amps
- Compressed air – 100 psi max. 1 cfm usage

## Options

- UV Curing System
- IR Curing System
- Hot Air Curing System
- Post Processing Feed

## Print Head Support

- Supports up to 24 Xaar printheads
- Xaar OmniDot 318
- Xaar OmniDot 760 GS3 or GS8
- Base unit includes 4 OmniDot 760 GS8 printheads, printhead drive electronics and ink supply system

## Future Print Head Support

- FUJIFILM Dimatix
- Konica Minolta



Digital Web Press with doors open to show paper path

*All specifications are subject to modification or change without notice.*