Over the past decade, Epson has innovated many aspects of commercial proofing on paper. The result? More of today’s most successful commercial printers rely on Epson for their proofing requirements than any other. So, when we decided to develop an all-new contact-quality proofing system for the unique requirements of flexographic and gravure printing — we had a lot to live up to.

Introducing the Epson Stylus Pro WT7900 Printer.

Designed specifically for proofing flexographic and gravure print jobs that require the color white, the Epson Stylus Pro WT7900 incorporates our latest achievements in high-resolution ink jet technology — including our breakthrough Epson UltraChrome HDR White Ink.

Epson UltraChrome HDR White Ink introduces an all-new Organic Hollow Resin Particle Technology, which forces light to randomly scatter, producing the illusion of seeing the color white.

This innovative way to produce the color white yields an amazing white ink density, enables custom white color toning, and provides professional short-term color stability for mission-critical color proofing on a range of new substrates including ink jet coated transparent and metallic films.

And unlike traditional white ink chemistry, Epson UltraChrome HDR White Ink is a safer, water-based resin particle — void of any known carcinogens.

Capable of printing directly on both ink jet coated clear and metallic films, in roll or cut sheet, up to 24 inches wide, the Epson Stylus Pro WT7900 can print virtually any size print job thrown at it. Whether you’re creating custom proofs of various packaging products requiring a clear or metallic base, or producing color accurate packaging mock-ups or prototypes, the Epson Stylus Pro WT7900 can easily proof your most difficult flexographic and gravure print jobs.

With every new introduction of an Epson Stylus Pro printer, we continue to innovate and refine the overall experience. With the introduction of our latest Epson Stylus Pro WT7900 printer, Epson is once again redefining what’s possible.

Welcome to a new generation of package proofing.
Epson UltraChrome HDR White Ink

The World's First Aqueous-Based White Ink Technology

- New Clear Organic Hollow Resin Particle Technology allows light to randomly scatter — creating the illusion of white
- Extremely high white density with complete density control
- Color tone of white can be fully controlled to better match the white ink used on press
- Safer, water-based chemistry — no known carcinogens
- Unique High Dynamic Range (HDR) pigments, featuring nine-color printing system including both Orange and Green inks, for an extremely wide color gamut
- Outstanding short-term color stability for mission-critical proofing applications
- Extreme black density for virtually any flexographic or gravure printing product

Epson MetallicProof™ Silver Film

Reverse-White and Surface-White Print Modes

Reverse-White Print Mode
- The most common use of printing the color white on press — in which all color is applied first, followed by white
- Produces extremely vivid and clear color with the printer's widest possible color gamut
- When using clear films, the proof is viewed from behind or on the "reverse" side of the print — similar to the actual press run

Surface-White Print Mode
- Used for many packaging products — including those requiring metallics
- The color white is printed first, followed by all other colors
- Proofs are viewed on the surface of the media — just like on normal papers

Scattering Light Creates the Illusion of White
Advanced Print Head Technology

High-Precision Ten-Channel Epson MicroPiezo® TFP™ Print Head
- Thin film output (TFP) print head design capable of handling ten separate ink channels
- One-inch wide, high performance print head with 360 nozzles per channel
- Supports both the Reverse and Surface white printing press methods
- Capable of printing both color and white in the same pass for perfect registration
- Auto-cleaning system for virtually maintenance-free printing
- Low vibration meniscus control for highly accurate dot shape and placement
- All new ink repelling coating for dramatically reduced nozzle clogging
- Produces variable-sized droplets as small as 3.5 picoliters to greatly decrease print times while optimizing color accuracy and transitions

Professional Media Handling
- Compatible with ink jet coated clear and metallic films, in roll or cut sheet, up to 24 inches wide
- Accurate loading of cut-sheet media up to 15 mm thick posterboard
- All media is front-loaded via a unique straight-through media path
- Newly-designed Film Output Bin safely captures prints face-up, up to 24” x 36”

Auto-cleaning system for virtually maintenance-free printing

PreciseColor™ Manufacturing
- In order to ensure consistent printing between multiple Epson Stylus Pro printers of the same model, Epson has refined the manufacturing process to include colorimetric calibration. Eliminating the need for internal calibration devices, this system evaluates and adjusts each printer’s performance at the manufacturing stage, ensuring consistent color output from printer to printer and print to print

Automatic Nozzle Verification, Cleaning and Print Head Alignment
- Embedded sensors quickly verify nozzle firing status without using media and if cleaning is required, will automatically clean the print head
- Built-in sensor performs highly precise print head alignments of all color channels

Epson MetalProof Silver Film
A breakthrough aqueous coated silver film. Virtually any metallic color can be simulated using this silver base film and Epson UltraChrome HD/HE4/HD White ink.

Next-Generation Print Engine Technology

High Performance Print Engine Speeds
- Durable rotary cutter, designed to be virtually maintenance free
- High performance cutting speeds — cuts 24-inch wide rolls in less than two seconds
- Off-carrige cutting system eliminates media dust within critical components

Epson MetallicProof Silver Film
A breakthrough aqueous coated silver film. Virtually any metallic color can be simulated using this silver base film and Epson UltraChrome HD/HE4/HD White ink.

High Performance Rotary Cutting System
- Pressurized ink cartridge technology ensures reliable ink delivery at all print speeds, while dramatically reducing the physical size of the ink cartridges
- Eleven individual ink cartridges — most are available in 150 ml, 350 ml and 700 ml fill capacities
- On-the-fly ink cartridge replacement for increased productivity
- Mix and match across all three ink cartridge sizes
- Built-in, lower-cost, Cutting Cartridges for automatic print head maintenance

E-platen™ Media Loading Technology
- Accurate automatic media loading, movement, skew adjustment, and tracking
- Electronically controlled roll media back tension
- Automatic roll media rewind upon media release
- Simplifies the overall roll and cut-sheet media loading process

Roll Media Length Tracking and Identification System
- Realtime automatic remaining roll media length counter
- Auto barcode tagging of remaining roll media information for faster reloading
- Very useful for tracking partially used media rolls
- Near-end media warning eliminates waste from jobs too large for remaining media amount

Epson ClearProof Film
New ultra-clear film with virtually instant-dry capability.

Epson MicroPiezo TFP Print Head
Exotic Thin Film Piezo print head technology. Extreme printing performance and dot placement accuracy. Capable of printing both color and white at the same time.

World-Class Service and Support
- Includes one year of limited warranty coverage under the Epson PreferredSM Protection Plan with toll-free telephone support available Monday through Friday and usually next-business-day, on-site service
- Optional one- or two-year Epson Preferred Plus service plans available

Supported by the World’s Leading Third-Party Workflows
Epson worked closely with the world’s leading RIP providers, so whether you’re using CCS, EFI, Esko Artwork, GMS, or Kodak, you can be assured of complete compatibility with your existing workflow.

Epson PrecisedColor Manufacturing
- Epson has refined the manufacturing process to include colorimetric calibration. Eliminating the need for internal calibration devices, this system evaluates and adjusts each printer’s performance at the manufacturing stage, ensuring consistent color output from printer to printer and print to print

myEpsonPrinter.com™
- Advanced web-based printer information and management system
- Automatically tracks consumables usage and print job information — regardless of location
- Provides real-time cost-per-print estimates and print job-run information
- Create various reports using actual print job information
- Provides remote printer monitoring and alert capability
- Secure information management using sophisticated encryption technologies

High-Density Printing
- True web-based, fleet-wide printer management via secure, web-based account

Easy-to-Use Front Control Panel
- High-resolution, 2.5-inch color LCD for improved viewing of printer status
- Simple button layout for all navigation and basic printer functions

Superior Connectivity
- Standard connectivity includes one USB 2.0 and one 10/100 BaseT Ethernet port
- Supported by most leading third-party software RIPs and workflows including those from CCS, EFI, Esko Artwork, GMS and Kodak
- Visit your local Epson reseller for other RIP workflows available

Ultra-high-quality print engine technology, the Epson Stylus Pro WT7900 is faster than most traditional methods of creating similar contract-quality proofs on clear or metallic films.

Print Mode Typical 24” x 20” Flexo or Gravure Proof
1440 x 720 dpi 23.00 min:sec
1440 x 1440 dpi 27.16 min:sec
Print times are when printing uni-directional on Epson ClearProof Film.
Epson Stylus Pro WT7900 Print Engine Specifications

Printing Technology
Advanced MicroPiezo TFP print head with ink repelling coating technology
10-channel, drop-on-demand, ink jet print head
11-cartridge (C, O, Y, Lc, White, Cleaning, VM, Cleaning, G, PK, VLm)
Auto head alignment and cleaning technology
Epson UltraChrome HDR White Ink technology
Professional-level aqueous-based ink
Clear Organic Hollow Resin Particle Technology

Nozzle Configuration
Color and Monochrome 360 nozzles x 10

Droplet Technology
Smallest droplet size 3.5 picoliters
Variable Droplet Technology produces up to three different droplet sizes per print line.

Resolution/Print Engine Speed
1440 x 720 dpi 23.00 min:sec
1440 x 1440 dpi 27.16 min:sec
Print times are when printing uni-directional on Epson ClearProof Film.

Acoustic Noise Level
Approximately 50 dB(A) according to ISO 7779

RIP Workflow Support
A RIP is required for this printer.

The following are recommended by Epson America:
CGS, EFI, Esko Artwork, GMG and Kodak.
Visit an authorized Epson reseller for the latest RIP offerings.

Printer Interfaces
Includes as standard one Hi-Speed USB 2.0 and one Ethernet port (10/100 Base-T)

Dimensions
54” (W) x 27” (D) x 48” (H)
Weight: 187 lb
Dimensions and weight include printer stand
Minimum Space Requirement for Printer with Film Output Bin: 5’ x 5’

Printable Area
Maximum paper width 24”
Left and right margins 0 to 3 mm each (0.24” total)
Maximum printable length Limited by application, OS, and RIP used
Minimum paper width 210 mm (8.27”)

Media Handling
Media input Single roll up to 24” wide
Cut-sheet size Up to 24” wide media (auto-loading)
Media core compatibility User-adjustable roll media adapters
accept either 2” or 3” media cores
Max. roll media diameter 6” (when using a 3” core)
Media weight 12 lb bond, up to 1.5 mm posterboard
Minimum sheet size 8.27” x 11”
Built-in media cutter Rotary cutting, automatic and manual

Epson Intelligent Pressurized Ink Cartridges
Starter cartridge fill volume 110 ml x 11 total cartridges
(used for initial fill at setup)
Replacement cartridge fill volume 150 ml, 350 ml or 700 ml,
each color x 11 cartridges total
Ink cartridge shelf life (recommended) 2 years from printed production date or 6 months after open

Epson PreciseColor Manufacturing
In order to ensure consistent printing between multiple Epson Stylus Pro printers of the same model, Epson has refined the manufacturing process to include colorimetric calibration. This process evaluates and adjusts each printer’s performance at the manufacturing stage, ensuring consistent color output from printer-to-printer and print-to-print.

Product
Epson Stylus Pro WT7900 Printer
Part Numbers
SPWT7900

Accessories
Additional Roll Media Adapters C12C81241
Replacement Printer Cutter Blade C12C815331
Replacement Ink Maintenance Tank C12C890191

Extended Service Programs
Additional One-year Epson Preferred Plus service EPPWT79B1
Additional Two-year Epson Preferred Plus service EPPWT79B2

Epson UltraChrome HDR Ink

<table>
<thead>
<tr>
<th>Ink Type</th>
<th>Cartridge Numbers</th>
</tr>
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<tbody>
<tr>
<td>Photo Black ink cartridge</td>
<td>T642100, T596100, T636100</td>
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<tr>
<td>Cyan ink cartridge</td>
<td>T642200, T596200, T636200</td>
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<tr>
<td>Vivid Magenta ink cartridge</td>
<td>T642300, T596300, T636300</td>
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<tr>
<td>Yellow ink cartridge</td>
<td>T642400, T596400, T636400</td>
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<tr>
<td>Light Cyan ink cartridge</td>
<td>T642500, T596500, T636500</td>
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<tr>
<td>Vivid Light Magenta ink cartridge</td>
<td>T642600, T596600, T636600</td>
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<tr>
<td>Orange ink cartridge</td>
<td>T642400, T596400, T636400</td>
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<tr>
<td>Green ink cartridge</td>
<td>T642800, T596800, T636800</td>
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<tr>
<td>White ink cartridge</td>
<td>T642C00, T596C00, N.A.</td>
</tr>
<tr>
<td>Cleaning cartridge</td>
<td>T642000, N.A., N.A.</td>
</tr>
</tbody>
</table>

For more information on Epson’s environmental programs, go to eco.epson.com

For more details, visit our website at: www.proimaging.epson.com