

Epson Stylus[®] Pro 11880

REDEFINING THE FUTURE OF PRINTING







© 2007 Pete Turner

4"

the world's most advanced 64-inch wide ink jet printer.

At Epson, we never forget our heritage. We never forget the thousands of Creative Professionals who helped guide our engineering development to become what it is today. And after a decade has past, we are still fascinated by what is possible.

There is a single word used among the Stylus Pro engineering teams within Epson – Monozukuri (mono-zu-kuri). When translated, it represents the human involvement required to develop the world's most difficult technologies – and succeeding.

Introducing the all-new Epson Stylus Pro 11880.

Representing the ultimate expression of Epson Stylus Pro engineering, the all-new Epson Stylus Pro 11880 is produced by a dedicated team of specialists. Every step of its production is scrutinized, while incorporating our latest technologies including an exotic new MicroPiezo® TFP™ print head, real-time automatic switching between Matte and Photo black inks, automatic nozzle verification and cleaning, and more. The result is the world's most advanced 64-inch wide photographic printer.

Epson UltraChrome K3™ is the standard by which all other professional-level ink technologies are judged. Now enhanced with our breakthrough new Vivid Magenta pigments, our newest-generation ink technology requires only eight colors, including a three-level black technology, to significantly raise the quality levels for professional color and black-and-white prints.

Imagine producing 64-inch wide archival prints with amazing color fidelity, gloss level, and scratch resistance, while providing consistently stable colors that significantly outperform lesser ink technologies. Imagine producing professional, neutral and toned, black-and-white prints with even higher density levels, along with virtually no metamerism or bronzing.

With an even higher level of ink droplet accuracy, we've developed an all-new MicroPiezo TFP print head, featuring a new ink repelling coating technology to dramatically reduce nozzle clogging. And, when combined with our new Epson AccuPhoto™ HD screening technology, at an astonishing resolution of 2880 x 1440 dpi, Epson has once again raised the level of image quality – even exceeding our previous best.

Capable of handling virtually any media type, in roll or cut-sheet, up to 64-inch wide, Epson sets the standard for professional media use. Whether you're producing sellable color or black-and-white photography, fine art reproduction, or producing color accurate proofs for client approvals, never before have Creative Professionals had such a powerful tool, allowing them to produce their vision without compromise.

Our latest Epson Stylus Pro printers continue to represent a level of technology unprecedented in Epson's history. Combining the extreme precision of an Epson Stylus Pro print engine, along with the extraordinary performance of our latest Epson UltraChrome K3 ink technology, Epson continues to redefine the future of wide-format printing.

OUR ULTIMATE EXPRESSION.



Epson UltraChrome K3 with Vivid Magenta Ink Technology

Extreme color gamut especially within the blue and purple ranges. Improves overall black density for significantly richer blacks.



Epson MicroPiezo TFP Print Head Technology

The world's highest resolution piezo ink jet print head with 360 nozzles per inch.⁴ Quite possibly the most advanced ink jet print head ever manufactured.



Easy-to-Use Front Control Panel

Large 2.5" backlit LCD panel for superior direct printer control and operational status.

Print Head Technology from the Future

All-new 9-channel MicroPiezo TFP Print Head

- Print head design capable of handling nine separate ink channels
- 1-inch wide, high-performance print head, with 360 nozzles per channel
- Low vibration meniscus control, for highly accurate dot shape and placement
- All-new ink repelling coating to dramatically reduce nozzle clogging

All-new Epson AccuPhoto HD Screening

- Radical screening algorithm resulting in prints with superior color and clarity
- Maximum resolution of 2880 x 1440 dpi for incredibly sharp text and line art
- Extremely accurate fine blends and photographic transitions

Variable-sized Droplet with TFP Technology

- Produces variable-sized droplets as small as 3.5 picoliters, to greatly decrease print times while optimizing photographic quality
- Exotic Thin Film Piezo (TFP) along with Low Vibration Meniscus Control technology, precisely controls the curvature of every ink droplet within each nozzle before releasing it onto the media. The result is extremely sharp and accurate placement of ink droplets for class-leading photographic print quality.

Epson PreciseColor™ Manufacturing

In order to ensure consistent printing between multiple Stylus Pro printers of the same model, Epson has enhanced 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, producing consistent color output from printer to printer.

Automatic Print Head Alignment

- Built-in sensor reads printed data for highly precise alignment of all color channels
- Aligns both single and bi-directional print modes

Automatic Nozzle Verification and Cleaning

- Built-in sensor quickly verifies nozzle status without using media and can automatically clean the print head if required – even partially clogged nozzles

Epson UltraChrome K3 with Vivid Magenta Ink Technology

Industry Defining 8-color Pigment-Based Ink System

- High-density pigments for an extremely wide color gamut
- Advanced formulation of Magenta pigments for extreme blues and purples

- Professional print permanence ratings for truly sellable quality prints
- High-gloss Microcrystal Encapsulation™ Technology for reduced gloss differential
- Superior scratch resistance from improved pigment and resin chemistry
- Color is stable immediately after printing – no short-term color shifting
- Depending upon media – produces a black density up to 2.5 with an L* value of 3.9†

Three-level Black Ink Technology

- Simultaneously uses Black, Light Black, and Light Light Black inks
- Significantly improves the printer's gray balance while eliminating color casts
- Outstanding midtones and highlights for a smoother tonal range
- Virtually eliminates the metamerism and bronzing of basic pigment chemistry
- Enhances the ICC profiling process for ColorSync™ and ICM™ workflows

Automatic Real-time Black Ink Mode Switching

Printers can automatically utilize two different Black ink modes – Photo Black or Matte Black. This innovative solution optimizes the Black ink density for various media types, dramatically improving the final print quality.

The standard Photo Black ink mode can be used for any media type with professional results. However, for certain Epson media types such as Velvet Fine Art, Enhanced Matte, and UltraSmooth® Fine Art, using the optional Matte Black ink mode instead, will dramatically increase black optical density for even better print quality.

Next-Generation Print Engine Technology

Professional Media Handling

- Prints on virtually any media type, in roll or cut-sheet, up to 64-inch wide
- All media is front-loaded via a unique straight-through media path
- Accurate loading of cut-sheet media up to 64-inch wide in a variety of media up to 1.5 mm thick, posterboard
- Automatic Media Bar-Code Tracking and Identification System for efficient roll media use
- User-adjustable Dual-Tension Roll Media Spindle accepts either 2- or 3-inch media cores
- On certain media types, you can produce accurate impositions using a work-and-turn process
- Built-in Automatic Cutting System supporting most media types
- Standard Automatic Roll Media Take-up Reel, for unattended production of large print runs
- Optional Retractable Fabric-Based Media Bin, safely captures multiple prints up to 64"x 36"

High-performance Print Engine Speeds[®]

Utilizing our latest high-performance print head technology, the Epson Stylus Pro 11880 is among the fastest wide-format printers in the industry.

Print Mode	16" x 20"	20" x 30"	40" x 60"
Normal – 360 dpi HS	0:50	1:24	4:08
Fine – 720 dpi HS	3:09	6:19	19:45
SuperFine – 1440 dpi HS	4:42	8:17	25:52
SuperPhoto – 2880 dpi HS	7:39	13:24	42:10

HS = High-speed Print Mode (Bi-directional Print Mode) Print speeds are shown in min:sec.

Epson Intelligent High-capacity Ink System

- Pressurized ink cartridge technology ensures reliable ink delivery at all print speeds, while dramatically reducing the physical size of the ink cartridges
- Nine individual 700ml ink cartridges
- On-the-fly ink cartridge replacement for increased productivity

Unique Printer Activity Lighting System

- Nine individual amber LED lights provide live feedback about ink and printer activity

Superior Connectivity

- Standard connectivity includes one USB 2.0 interface and one 10/100/1000Base-T Ethernet port
- Professional Epson photographic drivers for Macintosh[®] and Windows[®]
- Optional PANTONE[®] licensed and SWOP[®] certified PostScript[®] Language Level 3[™] Compatible RIP by ColorBurst[®] (included only with the ColorBurst Edition bundle)
- Fully supported by most leading third-party RIPs and workflows – the Epson Stylus Pro series printers are used within the most demanding commercial printing environments

World-Class Service and Support

- Free one-year of 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



Unique Printer Activity Lighting System

Nine individual amber LEDs are used to identify ink status to print engine activity. Extremely visible from long distances for larger printing shops and studios.



Automatic Roll Media Take-up Reel

True 64-inch wide roll-to-roll unattended printing capability. System can automatically de-curl media using both forward and backward take-up modes.

Automatic Media Bar-code Tracking and Identification System

System automatically tracks media type, remaining length, media width, etc. Reloading partially used media rolls are now very efficient with less chance for mistakes.

Optional Retractable Fabric-Based Media Bin

Easy-to-use media bin safely catches multiple prints up to 64" x 36". Quickly retracts to a hiding position for use of the roll media take-up reel. Perfect for professional photographic and fine art prints.

Epson Stylus® Pro 11880 Print Engine Specifications

Printing Technology

Advanced MicroPiezo TFP print head
with ink repelling coating technology
9-channel, drop-on-demand, thin film piezo, ink jet
9-cartridge (C, LC, VM, VLM, Y, LK, LLK, PK and MK)

Auto Black Ink Mode Switching – realtime switch; no ink waste
Auto Head Alignment technology
Auto Nozzle Verification and Cleaning technology

Epson UltraChrome K3 with Vivid Magenta ink technology
Professional-level, pigment-based ink technology

Nozzle Configuration

Color and Monochrome 360 nozzles x 9

Droplet Technology

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

Resolution

2880 x 1440 dpi; 1440 x 720 dpi; 720 x 720 dpi;
720 x 360 dpi; 360 x 360 dpi; 360 x 180 dpi

Print Engine Speed[®]

16" x 20" prints from 0:50 to 7:39 - Normal is 3:09
20" x 30" prints from 1:24 to 13:24 - Normal is 6:19
40" x 60" prints from 4:08 to 42:10 - Normal is 19:45

Acoustic Noise Level

Approximately 53 dB(A) according to ISO 7779

Printer Language/Drivers

Epson ESC/P®3 raster photographic drivers standard

Optional PANTONE licensed and SWOP certified PostScript
Language Level 3 Compatible RIP by ColorBurst (included
only with ColorBurst Edition bundle)

Supported by most leading third-party RIPs and workflows

Operating Systems Supported

Macintosh Tiger 10.4.9 or higher (universal binary)
Leopard 10.5 or higher (16-bit)
Windows Vista and XP (both 32 and 64-bit supported)

Printer Interfaces

Includes as standard one hi-speed USB 2.0 (1.1 compatible)
and one Gigabit Ethernet port (10/100/1000Base-T)

Dimensions

92"(W) x 46"(H) x 28"(D)
Printer weight: 384 lb
Dimensions and weight include printer stand

BorderFree® Printing

Complete borderless printing on the following roll media sizes:
10", 13", 16", 17", 24", 36", 44", 50", 54"

Top and bottom edges can be automatically cut to any length
when printing on roll media

Printable Area

Maximum paper width 64"
Left and right margins 0 or 3 mm each (0.24" total)
Maximum printable width 63.75"
Maximum printable length Limited by application, OS and
driver/RIP used

Media Handling

Media input Single roll-to-roll up to 64" wide
Cut-sheet size Letter up to 64" wide
Media core compatibility Handles both 2" and 3" cored media
Max. roll media diameter 4" (2" core) or 6" (3" core)
Weight 12 lb bond up to 1.5 mm
posterboard

Built-in media cutter Automatic and manual cutting
Printer cutter blade life ~2,000 cuts (coated media)
Roll Media Take-up Reel Auto forward and backward;
light-based media tension sensor
Roll Media Tracking System Auto bar-coding system

Epson Intelligent Pressurized Ink Cartridges^c

Cartridge fill volume 700 ml each color x 9 colors total
Ink cartridge shelf life 2 years from printed production
(recommended) date or 6 months after open
Ink Activity Lights 9 individual amber LEDs

Line Accuracy

+ or - 0.2% of specified page length

Lightfastness Ratings^d

Epson UltraChrome K3 Ink Color: Up to 200 years
B&W: Over 200 years

Environmental Characteristics

Temperature Operating 50° to 95°F (10° to 35°C)
Storage -4° to 104°F (-20° to 40°C)
Relative humidity Operating 20 to 80%
Recommended Storage 5 to 85% (no condensation)

Safety Approval

Safety standards UL1950, CSA 22.2 950 FDA
EMI FCC Part 15 subpart B class B,
CSA C108.8 class B
AS/NZS 3548 class B

Electrical Requirements

Voltage AC 110 – 120 V
Frequency 50 – 60 Hz
Current 1.0 A/110 – 120 V
Power consumption Operating Approx. 55 W or less
Standby Less than 5 W
Power Off Less than 1 W
ENERGY STAR compliant

Product/Accessories

Product/Accessories	Part Numbers
Epson Stylus Pro 11880 Printer	SP11880K3
Epson Stylus Pro 11880 ColorBurst Edition Includes ColorBurst® RIP	SP11880CB
Additional One-year Epson Preferred Plus service	EPP1188B1
Additional Two-year Epson Preferred Plus service	EPP1188B2
Retractable Fabric-Based Media Bin	C12C890401
Additional 64" Wide Media Take-up Core - 3"	C64CORE
Additional Dual Tension Media Spindle - 2" / 3"	C12C811231
Replacement Printer Cutter Blade	C12C815291
Replacement ink maintenance tank	C12C890191
Epson UltraChrome K3 Ink (700 ml)	
Photo Black ink cartridge	T591100
Cyan ink cartridge	T591200
Vivid Magenta ink cartridge	T591300
Yellow ink cartridge	T591400
Light Cyan ink cartridge	T591500
Vivid Light Magenta ink cartridge	T591600
Light Black ink cartridge	T591700
Matte Black ink cartridge	T591800
Light Light Black ink cartridge	T591900

A Based upon Seiko Epson engineering.

B Based upon print engine speed only. Total throughput times depend upon front-end RIP, file size,
printer resolution, ink coverage, networking, etc. Normal Mode based on Fine - 720 dpi HS.

C Cartridge yields vary considerably based on images printed, print settings, paper type, frequency of use
and temperature. For print quality, a variable amount of ink remains in the cartridge after the "Replace
Cartridge" indicator comes on. The printer ships with full cartridges and part of the ink from the first
cartridges is used for priming the printer. Printer ships with 110 ml cartridges. Photo Black and Matte
Black cartridges are included. See www.epson.com/cartridgeinfo for more information about cartridges.

D Ink lightfastness rating based on accelerated testing of prints on specialty media, displayed indoors,
under glass. Actual print stability will vary according to media, printed image, display conditions, light
intensity, humidity and atmospheric conditions. Epson does not guarantee longevity of prints.
For maximum print life, display all prints under glass or lamination or properly store them.
Visit www.wilhelm-research.com for the latest information.



Epson America, Inc.: 3840 Kilroy Airport Way, Long Beach, CA 90806
Epson Canada, Ltd.: 3771 Victoria Park Avenue, Toronto, Ontario M1W 3Z5
Internet website: www.proimaging.epson.com



Specifications and terms are subject to change without notice. Epson, Epson Stylus, MicroPiezo and Epson ESC/P are
registered trademarks and Epson Exceed Your Vision, Epson UltraChrome K3, TFP and Microcrystal Encapsulation are
trademarks of Seiko Epson Corporation. BorderFree and UltraSmooth are registered trademarks, Epson PreciseColor and
AccuPhoto are trademarks and Epson Preferred is a service mark of Epson America, Inc. All other product and brand names
are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks.
Copyright 2007, Epson America, Inc. CPD 23801 8/07