Epson® SureColor® P10000 | P20000

Professional 44” and 64” Production Photographic Printers

Sales Reference Guide

Official Team Partner

EPSON
EXCEED YOUR VISION

AMG
PETRONAS
MOTORSPORT

The Art of Performance.

Our latest imaging technologies have produced a no-compromise printer line for true, high-production, of virtually any photographic imaging application.

Introducing the Epson SureColor P10000 & P20000 Series

Epson SureColor P10000 | P20000

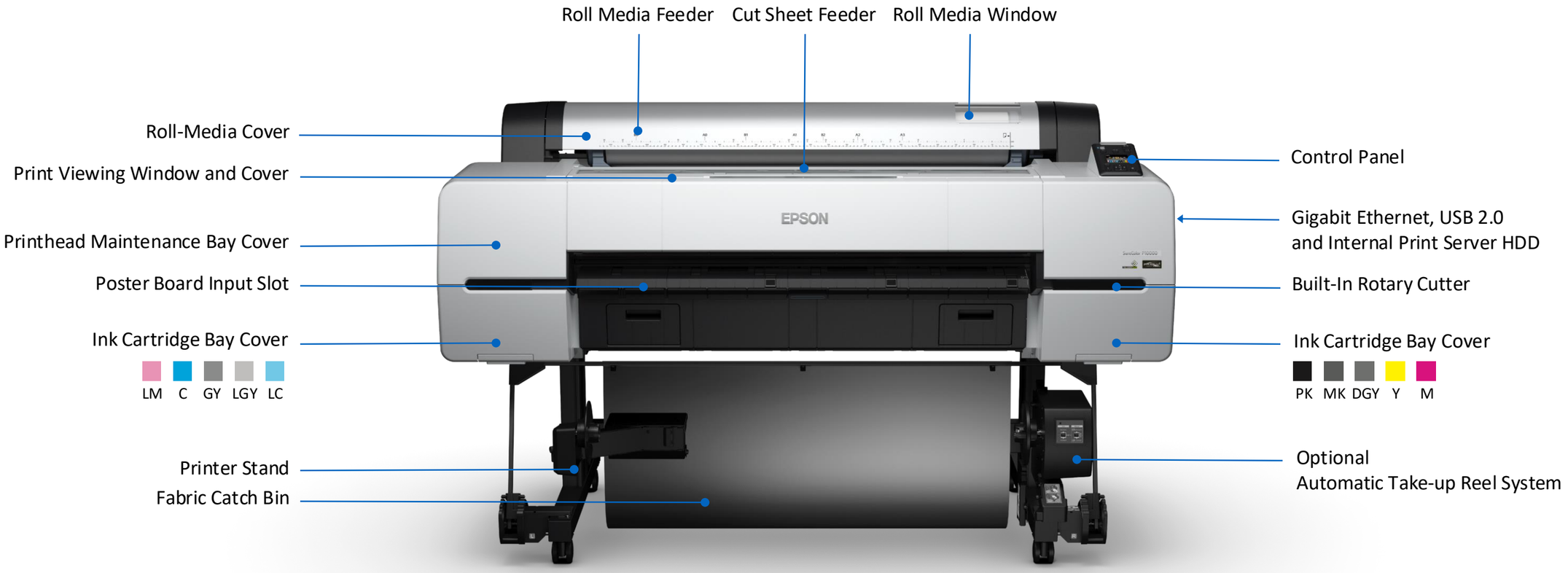
Front View

Epson SureColor P10000

Epson SureColor P20000

Printer Overview

Epson SureColor P10000 | P20000



All-New Printer Design from Epson

Front Control Panel Overview

Epson SureColor P10000 | P20000

Epson UltraChrome® PRO Ink

Newly Developed 9-Color Pigment Ink Technology

C M Y K LC LM GY LGY DGY + MK

Epson UltraChrome PRO Ink

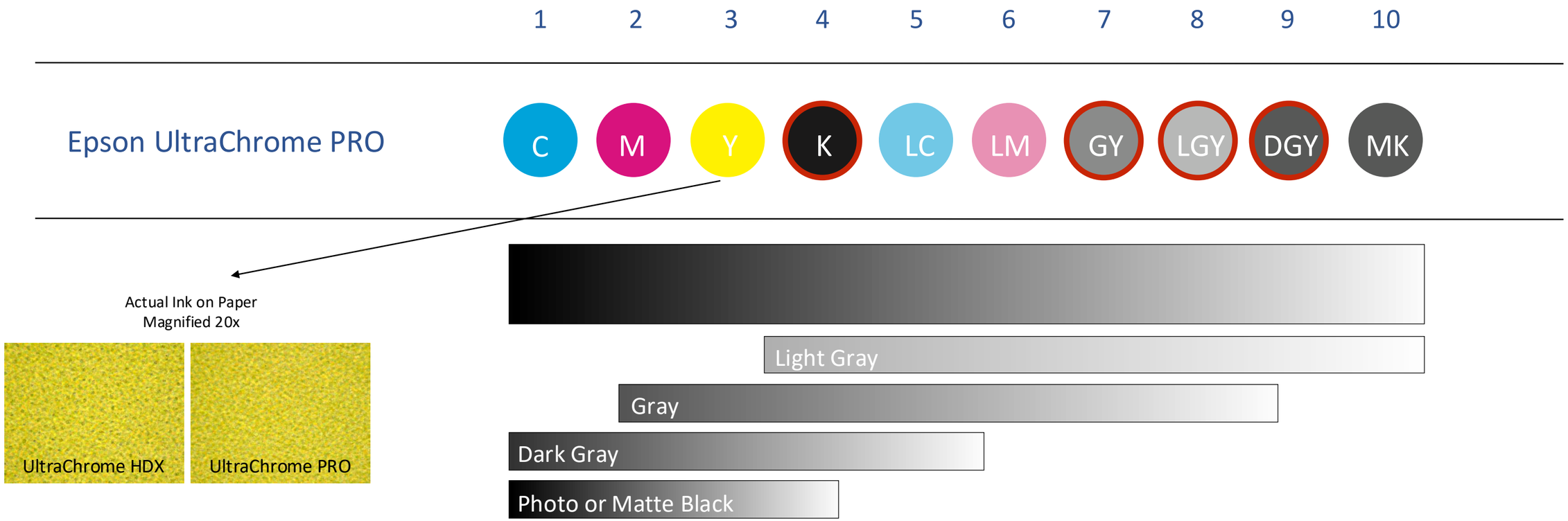
Epson SureColor P10000 | P20000

- Next-Generation 9-Color Pigment Ink Technology
  - Outstanding color performance for producing vivid and bright colors photographic colors or bold and rich graphics
  - Next-generation 4 level black/gray system assures print neutrality at the fast production speeds with maximum density
- High Capacity Ink Cartridges
  - Cartridges size - 700ml x 10 cartridges
- Archival and Durable Vibrant Ink
  - Instant-dry ink with water, scratch, and scuff resistant prints – no need to laminate
  - UltraChrome HDX, our Next-generation pigment ink technology, is independently rated by Wilhelm Imaging Research for up to 200 years for color and up to 400 years for black-and-white prints, more than twice our previous generation of ink[2]

2. 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. For details see: http://www.wilhelm-research.com

Epson Four-Level Gray System

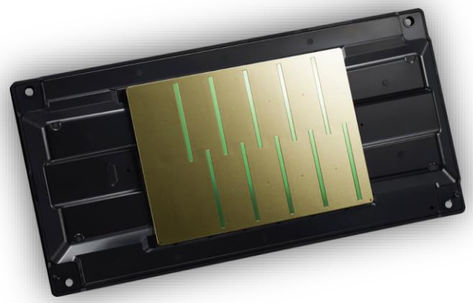
Epson SureColor P10000 | P20000



Four levels of gray for extremely accurate blends and transitions at production speeds.

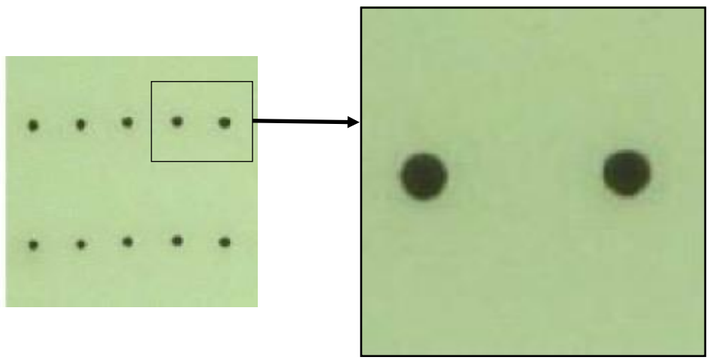
Epson PrecisionCore MicroTFP

Newly Developed 10-Channel Printhead Technology



PrecisionCore MicroTFP Printhead

Epson SureColor P10000 | P20000

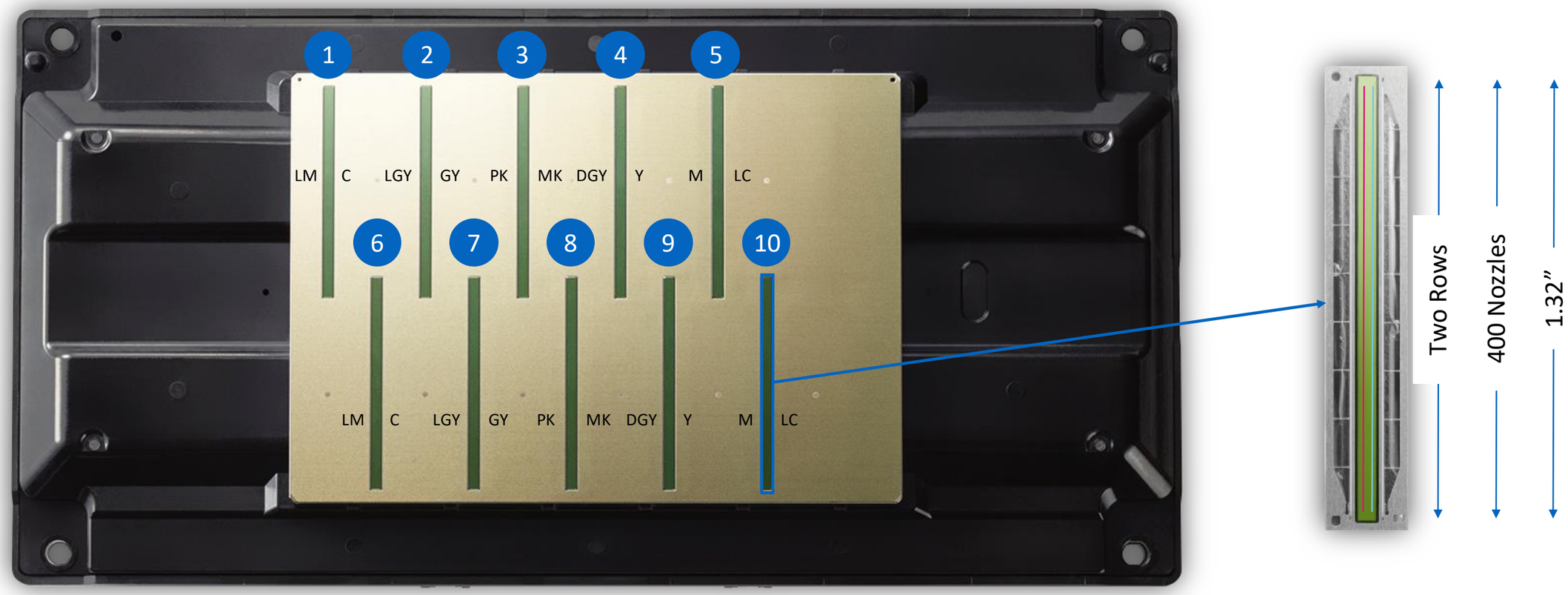


Actual Ink Droplet on Paper
Magnified 150x

- All-New High-Performance Photographic Printhead Technology
  - 800 nozzles per color x 10-channels for a total of 8,000 nozzles
  - Printhead width of 2.64 inches
  - Extreme dot placement accuracy and shape for outstanding print clarity
  - True production-level printing without the loss of print quality
- High Resolution Printing
  - Capable of printing up to 2,400 x 1,200 dpi
  - Supports Epson Variable-Sized Droplet Technology as small as 3.5 picoliter
- Automatic Realtime Black Ink Type Switching
  - Both Photo and Matte Black inks have a dedicated set of nozzles – no switching required
- Automatic Printhead Maintenance
  - New Nozzle Verification Technology automatically verifies and cleans nozzles without using media
  - Capable of high-volume printing with very little downtime for maintenance

PrecisionCore MicroTFP Printhead

Epson SureColor P10000 | P20000



The PrecisionCore MicroTFP printhead is developed using 10 individual PrecisionCore “blades”.

Each “blade” has two rows - one for each color - using 400 nozzles each across a 1.32” width.

When combined, the final printhead array prints using 800 nozzles per color over a 2.64” print width.

PRECISIONCORE

Printing Performance

Epson SureColor P10000 | P20000

	16” x 20” (Centered on 17” x 22”)	20” x 30” (Centered on 24” x 34”)	40” x 60” (Centered on 44” x 64”)
600 x 600 HS	1:04	1:49	5:24
1,200 x 1,200 HS	2:09	3:40	10:52
2,400 x 1,200 HS	3:17	5:33	16:30

Print times are based upon start of printhead movement over the page to drop ink – Stop time based on printhead moving to park position

Test Images printed on Epson Premium Luster Photo Paper (260) using a standard ICC color managed workflow via Adobe® Photoshop®

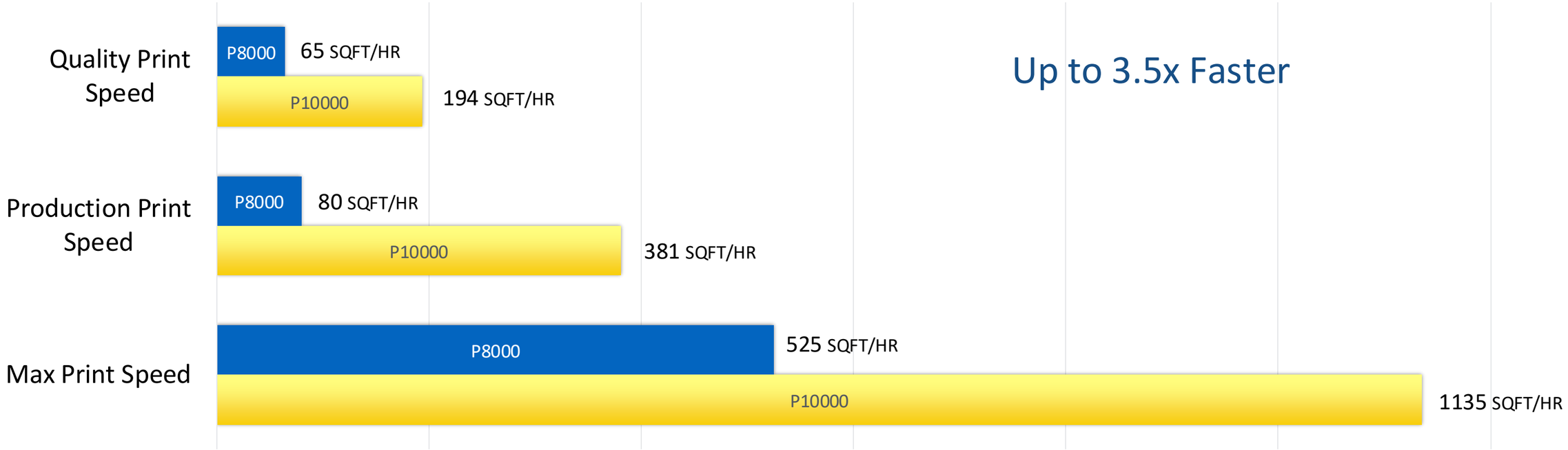
HS = High-Speed Mode (Bi-Directional Print Mode)

Print speeds are shown in min:sec

PRECISIONCORE

Printing Performance

SureColor P10000 vs. SureColor P8000



Print times are based upon start of printhead movement over the page to drop ink – Stop time based on printhead moving to park position

Quality prints speeds printed on Epson Premium Luster Photo Paper (260) at 1440x720dpi (P8000) or 600x600dpi (P10000)

Production prints speeds printed on Singleweight Matte Paper at 720x720dpi (P8000) or 600x600dpi (P10000)

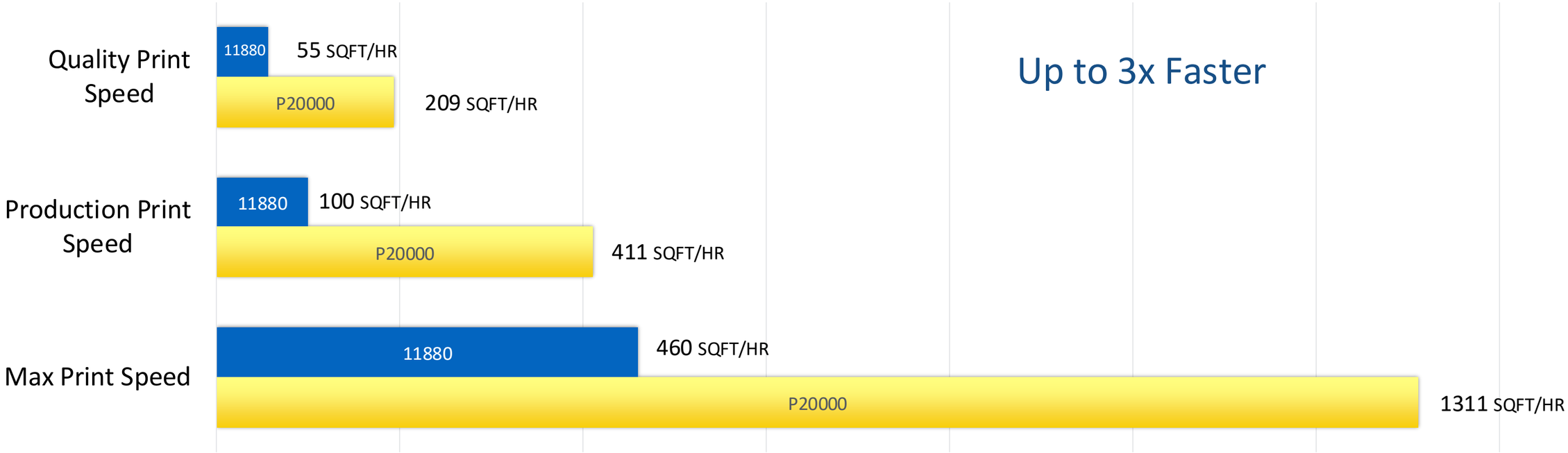
Max prints speeds printed on Plain Paper at 360x720dpi (P8000) or 300x600dpi (P10000)

Print speeds are shown in square feet per hour

PRECISIONCORE

Printing Performance

SureColor P20000 vs. Stylus Pro 11880



Print times are based upon start of printhead movement over the page to drop ink – Stop time based on printhead moving to park position

Quality prints speeds printed on Epson Premium Luster Photo Paper (260) at 1440x720dpi (11880) or 600x600dpi (P20000)

Production prints speeds printed on Doubleweight Matte Paper at 720x720dpi (11880) or 600x600dpi (P20000)

Max prints speeds printed on Plain Paper at 360x720dpi (11880) or 300x600dpi (P20000)

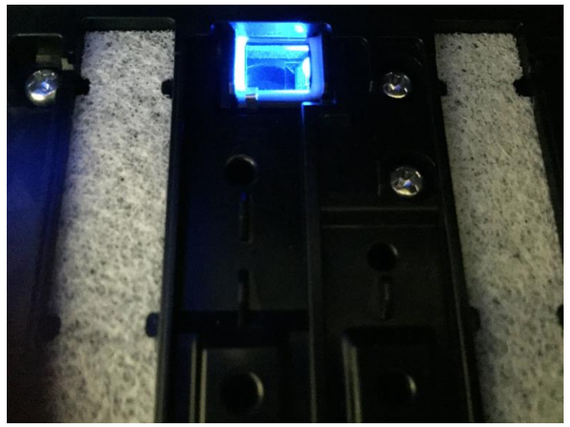
Print speeds are shown in square feet per hour

Advanced Media Handling

Newly Developed Media Feeding Technology

Advanced Media Feeding Systems

Epson SureColor P10000 | P20000



Actual CMOS sensor photographs the back-side of the media in realtime to help determine media movement.

Media Feed Accuracy is +/- 0.055mm

- ## Realtime Media Adjustment & Feedback System
  - Built-in CMOS sensor photographs the back-side of the media in realtime
  - Sub-Pixel Matching Technology is used to identify differences in the photographs
  - A pattern recognition algorithm is then used to precisely move the media
- ## Media Inductive Roller System
  - Unique roller system for intuitive and accurate media loading
  - Automatically loads cut sheets without any skew
  - Specially coated rollers protect the media surface from scratches
- ## Unique Roll Media Skew Reduction System
  - Additional rollers cancel the gravity from main roll feeder for consistent media feed
  - Automatic slack take-up and back tension control to remove roll media skew

Roll Media Handling

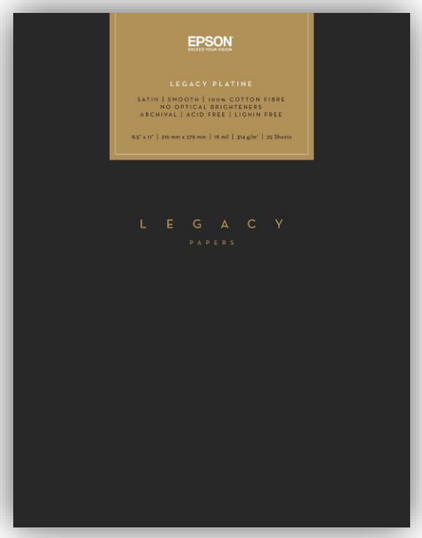
Epson SureColor P10000 | P20000

- Top-Loading Roll Media Support up to 44” and 64” Wide
  - Supports most photographic, fine art, and design media types up to 7” in diameter
  - Spindle-Free media adapters with both 2” and 3” media core adjustments
- Roll Media Length Tracking
  - LCD display and Barcode on media if removed to accurately estimate remaining length
- BorderFree Printing for Many Popular Print Widths
  - 10” , 13”, 16”, 17”, 20”, 24”, 29”, 36”, 44” and SC-P20000 support for 50”, 54” and 60”
  - Excels at printing standard 24” x 36” posters fully trimmed ready for pack and ship*.
- Built-in Automatic Rotary Media Cutter
  - Capable of smoothly cutting all photographic and fine art media types
- Optional Auto Take-up Reel System
  - Compatible with both printer models and offers forward and reverse wind mode

* High-volume BorderFree printing will require routine replacement of the borderless pads

Cut Sheet Media Handling

Epson SureColor P10000 | P20000



New Cut Sheet Media Feeding System is Ideal for Softer Fine Art Papers

- Top Loading Cut Sheet Media Feeder
  - Simple and accurate loading of cut sheet media from 13” x 19” up to 44” or 64” wide
  - Allows for a slight bend media path without requiring space behind the printer
  - Provides for a safe media feeding path for the most delicate paper types
- Single Sheet Front Straight-Through Poster Board Media Feeder
  - Simple front feeder for poster board media up to 1.5 mm thick
  - Ideal for printing directly to virtually any thick media type
  - Supports single sheets from 17” wide up to 44” or 64” wide

Usability Features

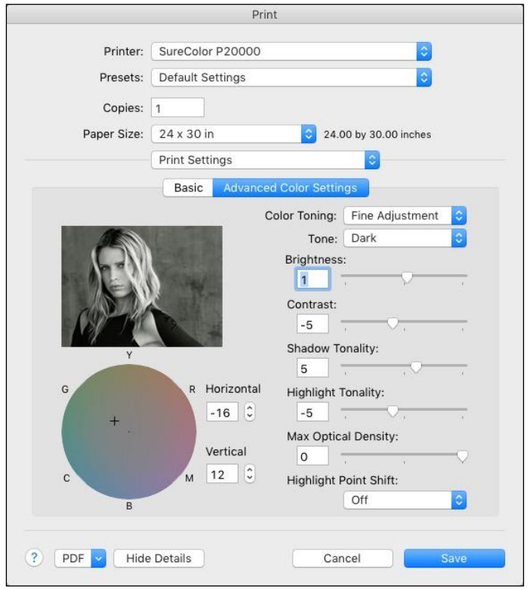
Professional Photographic Drivers

Internal 320 GB Print Server

Warranty & Customer Support Programs

Epson Professional Drivers

Epson SureColor P10000 | P20000



Advanced Black & White Driver Dialog
Complete Control of Grayscale Toning

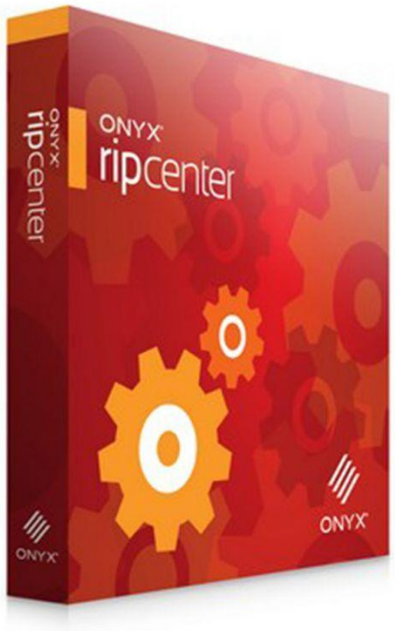
Apple macOS 10.12.4 Shown

- Professional Photographic Drivers
  - True 16-bit compatible drivers
  - Apple® macOS® 10.13 - OS X® 10.7
  - Microsoft® Windows® 10, 8, and 7 (32-bit & 64-bit)
- EPSON PrecisionDot™ Screening
  - Advanced form of math to determine dot size and placement
  - Fixed and three-level variable-sized droplet technology for outstanding print quality
  - Accurate blends and tonal transitions
- Advanced Black & White Printing Technology
  - Unique screening algorithm for producing professional black & white prints
  - Utilizes our four-level black system to optimize black & white print quality
  - Some of the world's greatest black and white prints have been produced using this driver technology

Beyond the Epson Drivers

Epson SureColor P10000 | P20000

- Broad Industry Support from Leading Software Workflow Solutions
  - Aurelon; Print Factory
  - Caldera; Visual RIP+
  - CGS; Oris ColorTuner/WEB
  - ColorBurst, Overdrive
  - ColorByte, Imageprint
  - ColorGate; Production Server
  - Dinax; Mirage
  - EFI; Fiery XF
  - ErgoSoft
  - Onyx; Thrive, Production House, PosterShop and RIP Center
  - Serendipity; Black Magic



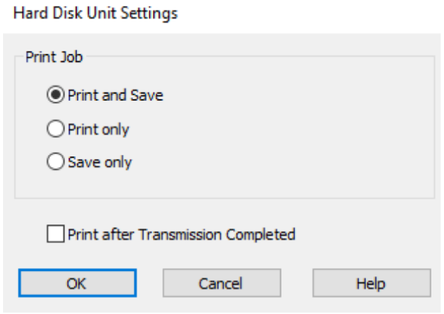
- Production Edition Printers include ONYX® RIPcenter™ software
  - Industry-leading ONYX RIPCenter Workflow software included for control and simplicity delivering consistent high-quality output
  - Genuine ADOBE® PDF Print Engine (APPE) v5.1 RIP engine
  - Included ONYX Media Library supports the leading photo, fine art and even third-party signage media options and profiles.
  - Powerful color management tools – automatic spot color matching and replacement
  - Quicksets 2.0 for complete repeated job automation - including unlimited hotfolders
  - Supports Cut-only workflows and finishing marks
  - Available online training – Industry-standard for sign applications
- Perfect for the following applications:
  - High Speed Indoor signage, graphics and poster production
  - Full Bleed (4 side borderless) poster production
  - Color critical graphics printing
  - Job automation and standardized job workflow

Perfect addition to print shops that currently have outdoor (solvent / latex) wide-format printers

Standard Internal Print Server

Epson SureColor P10000 | P20000

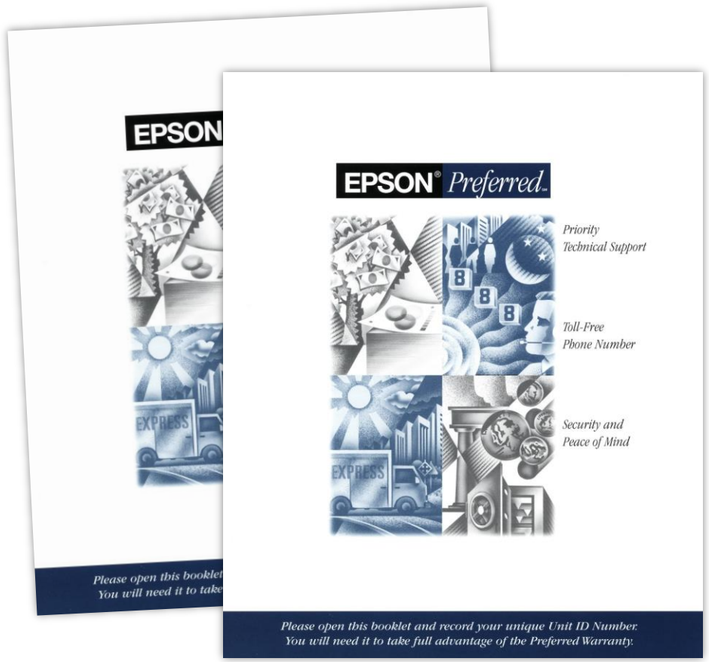
Standard Internal Print Server
320 GB



- Internal 320 GB Print Server
  - Quickly off-loads print data from multiple workstations simultaneously
  - Advanced security with IPsec and IEEE802.1x authentication protocols
- Intuitive User Interface Options
  - Manage jobs at the printer control panel, or remotely via a built-in web interface
  - Capable of being fully managed from virtually any smart phone or tablet
- New Printer Driver Options
  - Print & Save – fast spooling with reprint functionality
  - Print Only – fast spooling without job storage
  - Save Only – holds jobs for printing at a later time
  - Print after Transmission Completed – perfect for wireless and slow connections

Warranty & Customer Support

Epson SureColor P10000 | P20000



- Standard 1-Year Epson Preferred[SM] Limited Warranty
  - Free technical support Monday thru Friday
  - If required, onsite service provided - usually next business day*
  - Covers the printer, genuine Epson optional accessories, and software
- Optional 1- or 2–Year Epson Preferred Plus Premium Service and Support Plans
  - Extends same Epson coverage when the standard limited in-box warranty ends
  - Can be purchased at any time while still under an Epson Preferred Limited Warranty
  - Provides up to 3-years of complete coverage from Epson

* Limitations apply. See www.Epson.com/support for details.

Why to Buy – Graphics Production

Epson SureColor P10000 | P20000

- Remarkable Print Quality at Production-Level Print Speeds
  - More sellable output – high productivity without compromise
- Epson UltraChrome® PRO Durable Ink Technology
  - Outstanding color, black density, and print permanence
  - Instant dry pigment inks with water, scratch and scuff resistant prints
- Outstanding Total Cost of Ownership (TCO)
- Enhanced Usability Features
  - Store, manage, and reprint jobs on demand with included 320GB Internal Print Server
  - Easily change out roll media with Spindle-free Roll Media Support system
- Minimize Labor Costs
  - 4-sided BorderFree prints – reducing need to finish and trim prints
  - Print directly on rigid posterboard up to 1.5mm thick

* Based on purchase price of multipack (Four cartridges - 700ml ea cartridge) and MSRP cost of the Multipack

Why to Buy - Photo/Fine Art Production

Epson SureColor P10000 | P20000

- Remarkable Print Quality at Production-Level Print Speeds
  - More sellable output – faster than virtually any other form of photographic printing
- Epson UltraChrome® PRO Ink Technology
  - Outstanding color and black ink density
  - Produce archival prints rated to last for up to 200 years for color and up to 400 years for black-and-white prints[1]
  - Four-level gray system for accurate transitions with very low grain
- Epson PrecisionCore® MicroTFP Printhead
  - All-new printhead technology for exceptional print speed and image quality
  - Automated nozzle verification and recovery for higher reliability
- Advanced Media Feeding Systems
  - Realtime media adjustment and feedback system for skew-free media loading
  - Unique media inductive roller system for easy handling of photo and fine art media

Specifications are Subject to Change Without Notice

1. The SureColor P10000 and P20000 products use only genuine Epson-brand cartridges. Other brands of ink cartridges and ink supplies are not compatible and, even if described as compatible, may not function properly.

2. 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.
For details see: http://www.wilhelm-research.com

3. Based on purchase price of multipack (four cartridges - 700ml ea cartridge) and MSRP cost of the Multipack

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