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ColorWave 3800

Print System

Printer Description Colour and Monochrome printer based on CrystalPoint Technology, 42", Dual Memory Controller, 4 rolls (6 roll option), ClearConnect™ multi-touch user panel, Top Delivery Tray

Technology

Applications Colour and B&W technical drawings; maps, unfolded and folded; POP/POS posters; Graphic Arts applications like posters, wallpapers, banners, wrapping paper, and fine art.

Print Technology CrystalPoint Technology. Instant dry, waterfast output on uncoated media

Imaging Devices The printer contains 8 Imaging Devices, 2 for each colour (CMYK)

Consumables ColorWave 3800 printer uses Cyan, Magenta, Yellow, and Black TonerPearls, 500 gram/colour. Clean toner refill, no toner dust, no residue, no ozone emission

Print speed Monochrome CAD: 225 A1/D/hour (high speed mode)
 Colour CAD 212 A1/D/hour (high speed mode). 4 A1/D/min.
 Colour posters 3,960 sqft/day (production - fast)

Print Modes 9 print modes, the Print Assistant automatically determines the best print mode based on the content, without intervention required. Manual selection is possible.

Resolution 600 x 600 dpi

Printing system configuration

Dimensions printer (WxDxH) 82.7" x 35.4" x 63.2" (2100 x 900 x 1605 mm)

Weight printer 639 lbs. (290 kg) - printer and two drawers

Optional productive scanning system Scanner Express with Image Logic technology

Stacking system (Standard) Integrated Top Delivery Tray, 90 sheets capacity (Optional) Stacker Select; 400-sheet capacity

Optional finishing devices Folder Express 3011

Media handling

Technology AutoSwitching Technology: the correct roll for a print job is selected automatically based on the media type and roll width, Automatic roll switching when end of roll is reached and Automatic width detection. MediaSense Technology (automatic media thickness measurement and printing height adjustment)

Media Cutting Automatic, manual or off

Custom media Custom media support, including automatic calibration, no tooling and training required

Media rolls 4 or 6 rolls (2 drawers = 4 rolls, 3 drawers = 6 rolls)

Media capacity Up to 3,900', 650' on a roll (1200 m, 200 m on a roll)

Media weight Paper: 16-53 lbs; 60-200 g/m² Film: 2.5, 8 mil

Media thickness Paper: 30 mil; 800 um
Film: 2.5 - 8 mil

Roll length Up to 650' (200 m)

Roll width 11" - 42" (297 mm - 1067 mm) including standard sizes DIN, ANSI, ARCHI

Roll diameter Up to 7.1" (180 mm)

Roll core diameter 3" and 2" cores (media on 2" core to the external output not to the TDT) Media loose on core

Roll weight Up to 44.1 lbs (20 kg)

Maximum print length Up to 656', 164' guaranteed (200 m, 50 m guaranteed)

Media types Uncoated papers, uncoated Tyvek, self-adhesive papers, self-adhesive coated vinyls, blue back papers, textile types, polypropylene films, polyester films, light blocks films, canvas, soft banner, instant dry photo paper, coated & uncoated non-woven wall paper (fleece), backlit paper, self-adhesive wall paper, several natural and synthetic textiles

Controller

Description POWERSync® controller

Operating System Microsoft Windows® 10 IoT Enterprise (64-bit)

Processor 6 Core, 6 Thread Core i5-8500 @4.10GHz

Memory 8 GB DDR4

Hard Drive 2x 500 GB, 7200 rpm (standard)

Video Quality Intel HD Graphics, 1GHz

Print Languages (Standard) TIFF 6.0, JPEG1.02, HPGL, HPGL2, C4, Calcomp 906/907/951, CALS 1, NIRS, NIFF (Optional) ColorWave 3800 PDF/APPE license provides access to Adobe® PostScript® 3 and PDF1.7. It enables the Adobe® CPSI (Configurable PostScript Interpreter) and the APPE (Adobe PDF Print Engine) 4 components

Access Management Provide secure access to device by users by keying in password on the ClearConnect multi-touch operator panel or get access with a Smart Card by connecting a card reader (including contactless). Authorization is managed by using Microsoft Active Directory

Cloud support Unlimited user and or Administrator authenticated cloud support via WebDav and/or third party provider: e.g. Microsoft® SharePoint®, Dropbox®, Box.com, box.net, Google® Drive®, Microsoft® OneDrive®, Amazon Cloud Drive®, Cloudsafe®, MyDisk®, PlanWell Collaborate.

Transformations Scaling; Scaling (scale-to-fit page, reduce when image too large to avoid clipping or to custom factor, scale page size to standard size), Rotation, Shift (automatic or user defined), Adding/removing trailing/leading edge, Mirror, Black intensity in poster mode, Print optimization (standard, lines/text, poster). Colour Highlight and Dark Original. Area to erase (area of interest).

Colour management RGB input profile (sRGB, AdobeRGB), CMYK input profile (Euroscale coated, Euroscale uncoated, US Web coated (SWOP), US Web uncoated, ISOcoated_v2_eci_300.icc, ISOcoated_v2_eci.icc (FOGRA39), PSO Uncoated ISO12647-ECI , (FOGRA47), GRACoL2006_Coated1v2.icc, SWOP2006_Coated3v2.icc, vSWOP2006_Coated5v2.icc, UncoatedFogra29.icm, Gray profile (standard included in the PDF/APPE option), Rendering intent (perceptual, saturation, absolute colorimetric, relative colorimetric)

Smart inbox Personalized Smart Inbox with history, Manage queue, Manage history, WebTools Express, Secured controller access

Scanner

Description Colour Contact Image Sensor (CIS) scanner with Image Logic technology

Scan Resolution 600 x 600 dpi

Scan speed 49.9'/min monochrome scanning; (15.2 m/min monochrome scanning)
16.4'/min colour scanning (5.0 m/min colour scanning)

Scan formats TIFF, PDF, PDF/A, JPEG, CALS, multi-page PDF, multi-page PDF/A and multi-page TIFF

Scan destination	Local USB flash drive, FTP, SMB, Smart Inbox on Controller, Optional Local Home folder (LDAP), mobile device via Publisher Express, WebDAV Clouds, PlanWell Collaborate.
Scan protocol	FTP, SMB, scan to cloud (push to WebDAV based clouds)
Scan naming	Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel
Original width	8.2"-38" (208 mm-965 mm); automatic digital width detection
Original length	8.2"-630" (208 mm-16,000 mm); (file type dependent, longer than 629.92" (16,000 mm) for smaller originals), automatic length detection
Original thickness	Maximum 0.03" (0.8 mm); (non-rigid documents)
Zoom	1:1, Scale to media size , Scale to standard format, Custom: 10-1000 %
Preset Modes	Blueprint, Colored original, Dark original, Folded lines/text, Lines/text standard, Lines/text draft, Photo, Map, Artwork
Size scanner (WxDxH)	43" × 12" × 5.5" (1097 × 308 × 1400 mm)
Weight of scanner	55 lbs (25 kg)

User Interface

Description	ClearConnect multi-touch User Interface. Rotatable touchscreen for accessing local job management, the Smart Inbox, the printer status, and maintenance control. Consistent look and feel from every angle of your workflow
Size User Interface (WxDxH)	11.8 × 8.7 × 1.6 in (300 × 220 × 40 mm). Touch screen: 10.4 in (264mm)
Resolution	800 × 600 pixels
Number of	16.2 Million

colours

Operation 3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home] Multi-touch functions: tab, double tap, pinch, 2 finger pinch, swipe, flick and spread

Interface design IF design award: distinctive user interface with intuitive navigation and clearly defined levels of operation

Features View optimization: Tilt (-4 to +45 degrees) and turn (-45 to +180 degrees), Status light (red, orange, green), USB 2.0 interface with indication light

Language Switch instantly between 2 languages, select from 20 languages; Czech, Danish, German, English-UK, English-US, Spanish, Finnish, French, Hungarian, Italian, Japanese, Korean, Dutch, Norwegian, Polish, Portuguese, Russian, Swedish, Chinese simplified, Chinese-traditional.

Workflow

Description Workflow: Concurrent printing, copying, scanning and file processing of single documents or sets

Printer drivers Driver Express for Adobe PostScript 3, Driver Select for Microsoft Windows

Job submission Create, retrieve and/or send jobs from diverse external locations (SMB, FTP, LPR, WebDav), Mobile devices via WebTools Express and Publisher Mobile, USB flash drive, Cloud services, ONYX® Thrive, and optional Home folder(LDAP).

Job management Personalize Smart Inbox with history, Manage queue, Manage history, WebTools Express, Secured controller access

Accounting (Standard) WebTools Express (Optional) Direct Accounting Software

Network information

Interface Ethernet 100 Mbits/s, 1 Gbit/s, TCP/IP: DHCP,IPv4, IPv6, https, Discovery: WSD, LPD, NetBios

Protocols• Network protocols: TCP/IP

- Printing protocols: LPR, LPR to DRP, FTP, WebDAV Collaborate, WSD print
- Backchannel protocols: SNMP v3, ColorWave interface, WS-Discovery

- Security**
- HTTPS, extended security protection for administrator, audit logging
 - Configurable HTTPS Certificates, Ipsec, EWT LDAP Authentication, E-shredding, access control. Allow disabling TLS 1.0 and 1.1 protocols (no response to network scan) and enable TLS 1.2+ include stronger cipher (enable/disable). Unused interfaces can be disabled, software updates are secure, and SNMP is read-only
 - Access Management: user authentication on local ClearConnect user panel via Express WebTools
 - FIPS 140-2 Certified TPM
 - Secure boot
 - User authentication on local UI for FTP, SMB, and WebDAV. Disk Encryption AES 256, Support 802.1x Authentication
 - Removable Harddrives (optional)
 - McAfee Application control “whitelisting” License (optional)

Environmental and Safety

Ozone emissions	Zero
Heat emission	Printing: 395 W, Ready: 214 W
Power requirements	50 - 60 Hz (100 - 240 V)
Power Consumption	Sleep mode: <2.5 W Ready mode: 199 W Active mode: 380 W
Accoustic sound pressure	Ready: < 36 dB Printing: < 57 dB
Accoustic sound power	Ready: < 4.7 B(A) Printing: < 6.9 B(A)

Footnote Technical specifications are subject to change without notice.
