

KIP

WORLD IS WIDE | WIDE FORMAT PRINTING SOLUTIONS



Productive wide format colour for increased profits

KIP C7800
CAD DESIGNED



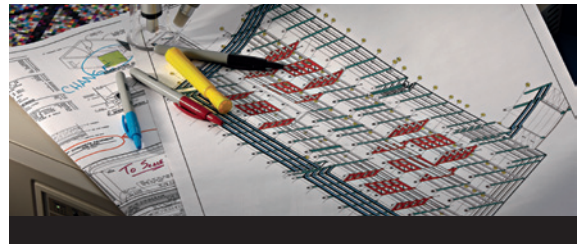
A wide-format colour print system for technical and production needs

As a high-speed, high-quality colour and b/w production print system with speeds of up to 390 sqm/hour in black and white and 325 sqm/hour in colour, the KIP C7800 is the perfect solution for wide format applications that demand the highest levels of quality, speed and cost-efficiency. Ideal for a comprehensive range of technical and production needs, the KIP C7800 improves any output and speeds up users' workflows – providing powerful print control capabilities and versatile production advantages, including a wide range of print submission methods, a dedicated RIP to manage technical colour applications, scan and copy functionality and fully integrated stacking and folding.

With all these advantages, the KIP C7800 saves serious time and money – making high-quality wide-format printing more cost-effective than ever before.

■ Enhanced cost efficiency

- Employees benefit from enhanced efficiency: Only one system for all applications
- Fewer replacement parts need to be stored
- Attractive click price: Separate counter for b/w-only mode
- Less space required: A single system for colour and b/w printing and automatic folding – easily upgraded with KIP 2300 scanner for integrated scanning and copying.



■ Increased profits

- Highly productive thanks to very fast printing at 5 sqm/minute – at this speed and productivity, manual folding of e.g. CAD plans is impossible; however, the increased print volume offsets the cost for the folding unit in next to no time.
- Instantly dry prints from dry toner colour LED technology avoid waiting times for folding or other finishing, making time for more print jobs, helping to generate extra business
- A single printer for indoor and outdoor applications: Extensive media versatility and dry toner system increase choice of print products for customers

Output is faster, operation simpler, and finishing fully automatic. The KIP C7800's impressive reliability keeps production up and running, helping print providers to meet tight deadlines – and the superior image quality will keep customers coming back for more. Four advanced LED imaging heads provide outstanding 600 x 2400 dpi resolution, directing toner application during the print process to achieve razor-sharp detail.

As technical and graphics applications converge, the needs for high-quality wide-format printing have become increasingly diversified to include 3D colour renderings, graphic inlays, exploded-view schematics, technical diagrams, architectural plans, manufacturing drawings and maps of all kinds. Consequently, professionals such as manufacturers, industrial design firms, engineering contractors, builders, architects and government agencies place greater demands on modern digital printing systems. The KIP C7800 is the perfect printer to put all these ideas and details on paper – cost-effectively and fully on-demand.





Innovative KIP technology for enhanced productivity

The KIP C7800 features proven colour LED technology that has been developed and maintained by KIP over many years, now results in innovative new technologies. Experience from previous product generations has added to KIP's expertise. This makes the KIP C7800 a robust wide-format printing solution that promises ease of use, excellent reliability and enhanced productivity.

■ High-speed printing in black & white

The KIP C7800 produces b/w prints at a blazing output speed of up to 390 square metres per hour, making it competitive with print production capabilities of dedicated b/w LED print systems. In b/w-only mode, print media completely bypasses all colour imaging units. This process increases system efficiency and lowers the overall operation cost.

■ Impressively fast colour printing

With a colour production speed of up to 325 square metres per hour, the KIP C7800 is the most productive wide-format LED colour print system on the market. The KIP C7800 addresses the demanding needs of high-speed print runs to meet tight delivery schedules and yet answers highest quality expectations.

■ High toner capacity

Each CMYK cartridge contains 1,000 gms of toner, for a total capacity of 4,000 gms — allowing longer uninterrupted colour and b/w print runs for higher productivity.

■ Fast and flexible media processing

Three integrated, auto-loading media roll drawers each handle roll widths from 297 mm to 914 mm and provide ultra-fast switching between rolls for collated sets of varying sizes or media types, avoiding any delays between prints. An integrated automatic cut-sheet feeder ensures enhanced versatility for the handling of special media.



■ Touch screen control

The KIP C7800 combines power, speed and control — with a large colour touch screen that facilitates previewing documents in full colour before printing. All major system functions are available at the user's fingertips from a single interface.

■ Automatic image calibration

For precise imaging with bold, expressive colour, an exclusive single-belt drive system performs automatic media calibrations — a real advantage when changing media types or suppliers.

■ Media load assist

An ergonomic spindle system simplifies the process of loading paper rolls. The total media capacity is 480 square metres — and the KIP C7800 automatically advances the media without user assistance.

■ Easy trimming

Once the media is loaded, a conveniently located button on each media deck provides quick, automatic roll trimming for accurate and reliable performance in continuous operation.

■ Durable prints for indoor & outdoor use

The KIP toner technology guarantees that prints are lightfast and waterproof, i.e. they will not fade or exhibit colour deterioration from exposure to light over extended periods. The CMYK dry toner system produces documents suitable for outdoor applications even in inclement weather, e.g. for plans and maps on display outside.

Impressive flexibility for new wide format possibilities

To suit any wide format document environment, the KIP C7800 system can be configured in a variety of workflow possibilities. The KIP C7800 integrated folding and finishing system automates wide format document production by combining folding, stacking and collation in a single compact unit. Prints produced on the KIP system are folded and stacked at maximum speed, allowing easy document filing and distribution with minimum effort.

Copying, scanning and the professional KIP Color Pro software highlight maximum productivity of KIP C7800. And the bi-directional communication with the KIP C7800 system enables scheduling of unattended print runs with complete peace of mind.



■ Stacking and folding

The KIP C7800 improves the efficiency and productivity of customers' production environments with integrated stacking systems that add convenience to the stacking of multiple prints. A manual stacker for max. 100 sheets is standard; alternatively, an optional auto stacker for up to 500 sheets can be equipped.

KIP C7800 stacking solution

- Bi-directional communication with KIP systems
- Stacking systems for all print volumes – online and manual solutions
- Reliable stacking of mixed-size sheets
- Compact footprint
- Enhanced system flexibility



KIPFold – versatile high-speed folding

A reliable and durable fold roller system ensures maximum packet accuracy. The online folder is fully integrated with the KIP C7800 print system and software applications, turning this into a total print management solution.

- Precise document folding
- Supporting standard folding styles
- Operates at maximum print production speed
- Online and offline folding capability
- Colour touch screen controls
- Compact system footprint and ultra-quiet operation
- Fully integrated with KIP software



■ Copying & scanning

In addition to high-quality printing in colour and b/w, the KIP C7800 speeds up internal workflows with fast, efficient copying and scanning. Pixel-perfect reproduction with true 600 x 600 dpi optical resolution is available via an integrated KIP CCD scanner with advanced optics and precision transport mechanism for the originals.

High-resolution image capture and rapid data transfer technologies ensure high-speed copying and scanning with best-in-class productivity. Originals can be scanned face-up or face-down; thick mounted originals are easily scanned as well as individual sheets of paper – and all this with a single unit that provides world-class flexibility.

If original print files of archived prints are missing, prints can easily be scanned and digitised or simply copied right away.

KIP scanning highlights for max. productivity:

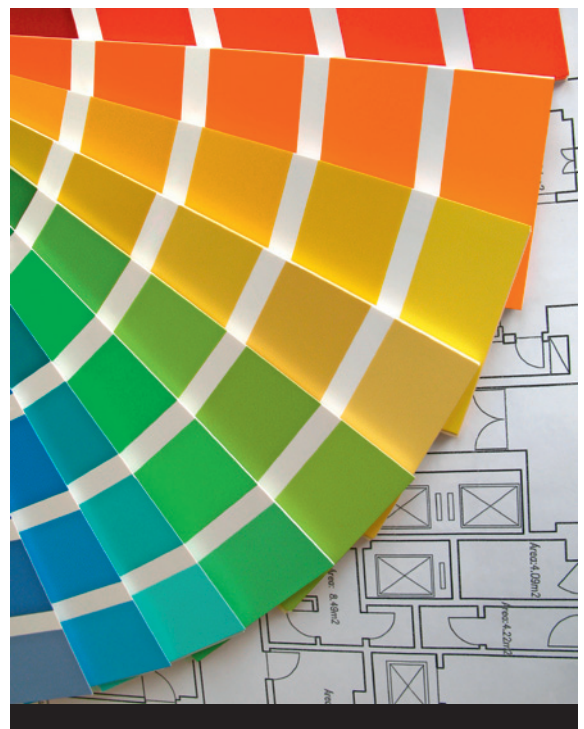
- Face-up or face-down scanning
- Cardboard scanning of up to 16 mm thickness
- Choice of applications to suit all needs
- Complete colour management and total colour workflow integration
- Direct connection support for KIP C7800 and inkjets
- Preset scan modes – standard or production

■ Professional KIP Color Pro software

The KIP Color Pro software makes available a range of colour copying and scanning features with support for multiple printers – plus full integration with the KIP 2300 wide-format colour scanner. The software provides file-to-print, professional ICC colour management, image editing capabilities, panelling of images for outdoor graphics, image nesting for optimum media usage, and much more.

KIP Color Pro software highlights:

- Supports a full range of colour file formats
- Professional output options
- Integration with single or multiple printers
- Accurate colour from closed-loop calibration for permanent colour adjustment
- Advanced image enhancement options: e.g. colour filters for automatic quality optimization
- Scan to email, USB drives, mailboxes, or network



Powerful print control for any production environment

The KIP C7800 system features a comprehensive, diversified software suite that makes it the most open, integrated and powerful wide format colour and b/w production solution in the market. From PC and web-based viewing and printing of documents in a wide range of formats, to professional colour management, application drivers, touch screen control & cloud printing capabilities, the KIP C7800 software streamlines production workflows, saves time and increases productivity.

■ KIP Color RIP

The KIP Color RIP offers users advanced colour management capabilities with integrated support for professional adjustments using ICC profiles, e.g. to ensure that company logos are printed with correct colours. Operators will appreciate such powerful quality control features as image editing capabilities, advanced image panning, automatic cropping to ease preparation for multiple folding jobs, and much more.

The KIP Color RIP features include:

- Dedicated RIP system for colour CAD applications
- Professional colour management tools and enhanced print colour gamut
- Image tiling, cropping and nesting
- Advanced preflight controls
- File rotation and folding support
- Integration with multiple printers

■ KIP reprocontrol.net

reprocontrol.net is KIP's extremely powerful software designed to combine all reprographic hardware into one seamless workflow, providing users with advanced tools to significantly increase productivity and improve the quality of printed output. In its elaborate workflow, reprocontrol.net ties all production steps and hardware into one simple user interface and uses all resources to the maximum.

Software features:

- Efficient all-in-one workflow
- Scan, copy, RIP and print in one simple interface
- Integrates hardware from all manufacturers
- Advanced cost tracking and cost preview for every print job
- Job monitoring and user rights management

Extended workflow features:

- The intelligent client-server setup allows users to submit any number of jobs simultaneously
- Connects all LED, inkjet, small format printers and scanners
- Open interface to print straight from external applications for maximum flexibility
- Non-stop performance with unattended batch and overnight functions

■ KIP Cost Review

The KIP Cost Review application easily generates accounting reports in email format enabling companies to charge costs by accurately invoicing users, departments, even individual projects. Print costs on KIP C7800 vary depending on toner coverage, media type and system maintenance. With the KIP Cost Review application, it is easy to track these costs and generate reports on demand or at designated intervals.

Main KIP Cost Review application features:

- Total printing summary and toner coverage reports
- Cost per print -, square meter -, service cost -, and recent jobs reports
- Media reporting





■ KIP Print

The KIP Print network printing software is an easy to use application designed to provide operators with a fast and accurate means of producing high quality wide format print sets from all types of digital files. With powerful printing and print management controls, every aspect of KIP Print is focused on speeding up production workflows.

With an emphasis on job building, an intuitive ribbon style interface features column browsing, colour thumbnail previews and total preflight control. Colour and b/w documents are efficiently selected for printing in collated sets with the ability to designate custom output preferences before print submission.

KIP Print network printing software features:

- Advanced ribbon style interface
- Thumbnail image previews in colour and black and white
- Print job scheduling by date and time
- Digital enlargement / reduction between 5% and 3600%
- One-step file viewing, panning and zooming
- Image stamping allows merging of two files for printing



■ Certified KIP print drivers

The KIP certified application drivers support 32 and 64 bit printing features including set collation, fast spooling for multiple copies or sets, data tracking for job accounting, media selection and Windows 7 Device Experience. AutoCAD versions up to 2012 are also fully supported.

■ KIP PrintNET

KIP PrintNET is a powerful web-based print production tool for colour file viewing & printing. It provides KIP C7800 job queue management and administration features without the need to install new software applications on network computers. Users may select and print single or multiple files, complete with image adjustments such as scaling, stamping and Colour management.

Independent of the operating system, the PrintNET viewer quickly displays images in vivid colour, smooth greyscale or high-resolution b/w for precise rendering of fine lines, graphics, photos and more. Integrated image viewing provides instant file authentication and accurately represents the final printed product, complete with custom image settings.

KIP PrintNet features include:

- Printing full job sets from anywhere
- Unlimited number of files per job
- 100% compatibility with standard web browsers
- Integrated viewing for accurate image display
- Print settings for single files or complete jobs
- Fast file processing for maximum productivity

■ KIP Cloud Printing

KIP Cloud Printing is a direct email based feature that does not use any intermediary servers, providing total document privacy and security for printing from any connected device.

Mobile professionals will appreciate the ability to produce large prints using simple email messages with attachments and a few key control words.

KIP Cloud Printing features include:

- Use with any phone, tablet, laptop or PC
- No need to install drivers or apps
- Use any web browser or email provider
- No learning curve or training requirement
- Submission of print files as email attachments
- Enhanced flexibility with optional keywords



Technical specifications

KIP C7800 CAD Designed Printing System

Printing technology:

LED Electro-photographic

Colour:

CMYK – 4 cartridges

Toner:

Non-magnetic, mono-component toner

Cartridge capacity:

1000 gr of toner per cartridge

Print resolution:

600 x 2400 dpi

Engine print speed:

390 sqm/hour in black & white

325 sqm/hour in colour

Productivity:

5,5 sqm/minute in black & white

4,9 sqm/minute in colour

Print width:

Min. 297 mm, max. 914 mm

Print length:

210 mm up to 40 metres

Media rolls:

3 roll decks and Auto Sheet Feed

(20 cut sheets)

Media types:

Standard bond 70–150 gsm; polyester vellums, opaque and translucent films; waterproof blue-back; self-adhesive substrates, fluorescent bond (green, red, orange, yellow, pink), waterproof map paper, banner media, backlit media

Warm-up time:

3 minutes

First print time:

< 43 seconds /A0

Power consumption:

Printing 2.0 kW, stand-by 0.8 kW, power saving 10W

Power Supply:

230V, 50/60 Hz, 20A

Controller:

Embedded with Windows XPe, Intel Quad Core 2.13 GHz, 3 GB memory,

Hard drive:

SSD, SATA 3, 120 GB

Dimensions (W x D x H):

1,376 mm x 790 mm x 1450 mm

Weight:

540 kg

Acoustic noise:

Printing < 65 db / stand-by < 60 db

Network protocols:

Ethernet 10 Base-T, 100 Base-TX,

1000 Base-T, USB 2.0

Compatible file formats:

Raster Colour: TIF, JPG, JPEG2000, PNG, BMP, GIF, TGA, RLE/RLC

Vector Colour/Mono:

HPGL, HPGL/2, HP-RTL, PostScript (PS/EPS),

Adobe PDF, Autodesk DWF, Multipage

PDF & DWF

Raster Monochrome:

TIF Grp 3 & 4, CALS Grp 4, Grayscale TIF, IBM

IOCA, Intergraph CIT/TG4, Government C4

Vector Monochrome:

Calcomp 906/907

Software applications – Standard:

KIP Color RIP – for Professional Color CAD Application Management

Touch screen printing:

Up to 10 mono/colour images from USB or network locations

Certified AutoCAD Drivers:

Currently released versions up to 2012

Microsoft Certified Windows Drivers:

Windows 7, Vista, XP 32 & 64 bit compatible

Cost Review application:

PC based application to review toner/service costs on the C7800

Software applications (Optional):

KIP Print:

PC based submission utility featuring ribbon interface job building

KIP PrintNET:

Web Browser based submission utility delivers powerful browser independent features

Cloud Printing:

KIP Web Apps offer the ability to produce large prints using nothing more than an email attachment and key words

KIP reprocontrol.net – full plot management for advanced workflow requirements

Stacking solutions (standard)

KIP C7800 Manual Stacker:

Max. media width:

914mm

Reception capacity:

100 sheets

Stacking solutions (optional)

KIP C7800 Auto Stacker:

Max. media width:

914mm

Reception capacity:

500 sheets

Power supply:

100-240V; 50/60Hz; 0.5A

Electrical consumption:

50W

Acoustic noise:

<57 dB

Dimensions (W x D x H):

1,400 mm x 1,040 mm x 1,480 mm

Weight:

57 kg

Folding solutions (optional)

KIPFold Online Folder:

Dimensions (W x D x H):

1,778 mm x 991 mm x 1,245 mm

Weight:

295 kg

Featured folding standards:

DIN, Reverse DIN; AFNOR

Max. fan folding length:

6 m: standard, long fan fold (opt.)

Max. cross folding length:

2,5 m

Capacity of stacking system:

150 A0 size sheets

Formats:

From A3 size to 914 mm

Cross fold:

200 mm up to 310 mm

Fan fold:

180 mm up to 300 mm

Power supply:

100/115/220-240V, 15A

Scanning solutions (optional):

Type:

Desktop colour scanner KIP 2300

Scanning method:

Document feeding (face-up, face-down feeding)

Sensor:

CCD

Light source:

LED

Optical resolution:

600 dpi

Digital resolution:

100 – 2,400 dpi

Max. scan width:

914 mm

Max. original width:

1,066 mm

Max. original thickness:

16 mm face down scanning only

Data capturing:

24bit RGB; 8bit/4bit Grey;

1bit monochrome

Speed:

2.5 A0/minute – colour (600 dpi);

6.4 A0/minute – monochrome (600 dpi)

Interface:

USB 2.0 High-speed Image Link

(PCI-Express x1)

Software:

KIP Color Pro: Copy, print and scan-to-file software (standard)

Dimensions (W x D x H):

1,366 mm x 480 mm x 310 mm

Weight:

Approx. 70 kg

Power:

100 – 240V AC



- Energy Star qualification
- ROHS compliancy
- ISO 14001 standards
- Ozone emission filters
- UL/UL-C approval
- Organic, recyclable photoreceptors
- Recyclable toner containers
- Printing on recycled paper



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