

KIP

WORLD IS WIDE | WIDE FORMAT PRINTING SOLUTIONS



Wide format colour printing at unrivalled speed

KIP COLOR 80
CAD DESIGNED



Creative colour imaging at 210 metres per hour

The KIP Color 80 print system has been designed for printing professionals who require high speed production of colour and monochrome technical documents, business communications and display graphics. The system is a comprehensive solution for wide format colour imaging, spanning the full spectrum of applications from architectural, engineering, and construction documents to posters, signs, and photo enlargements – with maximum quality and performance.

Thanks to today's increasingly powerful data technology, more and more technical documents and drawings contain creative elements such as sketches, photos, graphical inlays, exploded view schematics, manufacturing plans, architectural 3D renderings and geographical maps to make them more illustrative and convincing. Consequently, manufacturers, industrial design firms, engineering contractors, builders, architects and government agencies place greater demands on modern digital printing systems.

Featuring the integrated colour print management software reprocontrol.net, the KIP Color 80 is the perfect printer to put all these ideas and details on paper – cost-effectively and fully on-demand. No more preproduction of e.g. maps with the risk of them becoming obsolete before they are sold.

Folding, copying and scanning options turn the KIP Color 80 into an even more versatile colour printing system. With as many as 20 customisable folding programs, it easily performs all standard architectural, engineering and metric folds and more.

Companies more concerned with display graphics & business communications should refer to the KIP Color 80 graphic arts brochure, which contains all relevant information for that business environment.





Unique KIP technology for enhanced productivity

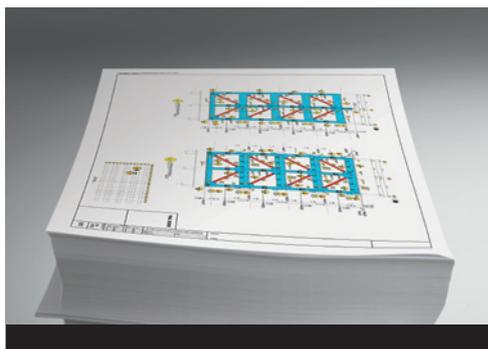
Equipped with the unique KIP technology and feature set, the KIP Color 80 stands for enhanced productivity in wide-format colour printing ensured above all with the constant high production speed of 210 metres/hour. This advanced KIP product development encompasses numerous attractive highlights that represent important user advantages.

■ Solid, modular system

Building on the long-standing KIP experience in the field of CAD, the KIP Color 80 wide format colour printer combines an extremely fast speed and sturdy, metal design with a proven operating concept and complete modularity. At any time, the KIP Color 80 can be upgraded to a fully multifunctional system with colour scanner and online folding unit.

■ High productivity at low cost

The KIP Color 80 excels in power, simplicity and quality for cost effective colour print production. With a constant operational speed of 210 metres per hour, regardless of the print mode, coverage or image complexity, it is the single most productive wide format LED colour printer in the world. High demand printing with long unattended runs is made possible via four integrated 175-metre media roll decks, a manual cut-sheet feeder and integrated finishing systems. The immediate benefits are increased capacity and operational efficiency.



■ Impressive processing power

The KIP IPS (Image Processing System) features a powerful processing system that takes full advantage of multi-thread technology. Innovative quad core technology (4 core Xeon, 2.4 GHz and 300 GB HDD) enhances the controller efficiency, enabling the production of the most demanding print, copy and scan jobs at steady speed and true 600 x 600 dpi optical resolution.

■ Dry toner printing

The KIP toner technology guarantees that prints are lightfast and waterproof. Prints and copies produced on the KIP Color 80 system are fully lightfast, i.e. they will not fade or exhibit colour deterioration from exposure to light over extended periods. At the same time, the CMYK dry toner system employed by the KIP Color 80 produces 100% waterproof documents that are suitable for outdoor applications even in inclement weather.

■ Extraordinary media flexibility

The four media decks, which can accommodate rolls of identical or different width, plus the manual bypass ensure maximum media flexibility. The wide range of compatible media includes standard bond, glossy photo paper, water-resistant billboard blueback, polyester vellums, films and self-adhesive substrates. This extensive choice of media types enables printers to offer perfect solutions to demanding customer requests and enhances their range of print products.

Impressive flexibility for new wide format possibilities

To suit any wide format document environment, the KIP Color 80 system can be configured in a varied range of workflow possibilities. Fully integrated finishing solutions are designed to deliver maximum document control with minimum effort. The versatile range of KIP Color 80 system configurations creates new possibilities for high demand print management.

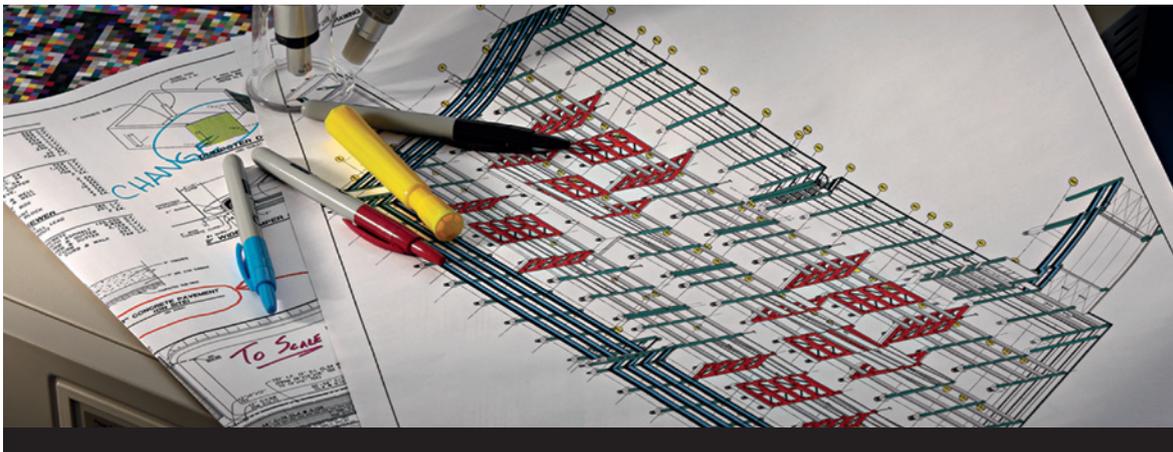
■ Integrated folding options

The KIP Fold 80 communicates with the KIP Color 80 system software applications and drivers to provide easy workflow integration. The KIP Fold 80 provides the flexibility to fold copies and prints into all architectural, engineering and metric standard packet sizes. The integrated folder for the KIP Color 80 CAD Designed system features the DIN, AFNOR and Reversed DIN folding standards. In total the folder enables the customization of roughly 20 different folded document sizes. The folding speed and the stacker allow stacking up to 150 A0 documents or optionally up to 250 A0 plans. Moreover, the manual folding system is simple and easy thanks to the sliding plate. Efficient management and productivity are ensured.



■ Integrated stacking system

The bridge can be used as a stacking system for non-folded CAD documents. Bi-directional printer communication maximises system uptime. All printed sheets are stacked and available at shoulder-height.



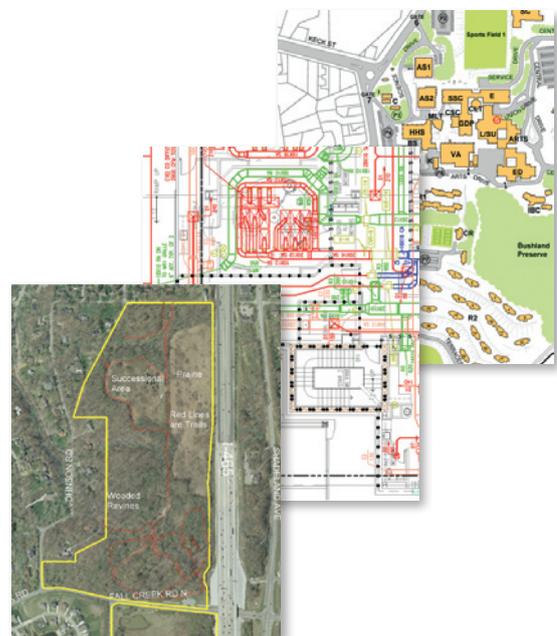


■ Integrated copying & scanning options

The KIP Color 80 optionally provides an efficient, high speed hard-copy reproduction workflow. The system is ideal for the full range of monochrome technical documents as well as full colour graphic renderings, maps and photos. Exceptional image quality is achieved through true 600 x 600 dpi optical resolution via an integrated KIP colour scanner. It features advanced camera based optics and delicate original transport mechanics for pixel-perfect images.

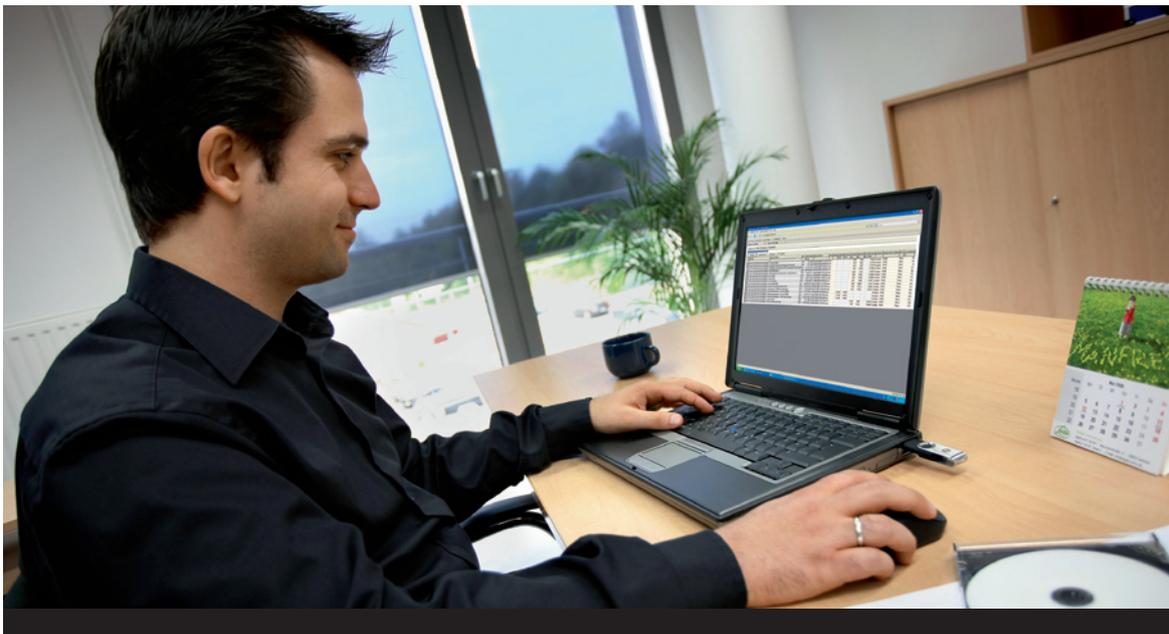
The optional KIP 2300 scanner dynamically adjusts exposure settings during the scan/copy process to reproduce wide format colour documents at astonishing speed. It can also process boards up to 16 mm in thickness, allowing mounted images to be accurately scanned or copied.

Professional grade colour calibration creates a high performance solution for the most discerning colour scanning and copying environments. Versatile scanning features swiftly interpret all types of paper originals to create a variety of file formats for email, archiving and printing purposes.



■ KIP scanning highlights

- Face up or face down scanning
- Outstanding image quality with the innovative use of bright white LED light sources for illumination and 600 x 600 dpi image capture resolution
- Scanning of original documents up to 16 mm thickness with auto thickness detection
- Automatic original width detection
- KIP patented HIL interface (High-speed Image Link) provides high speed colour scanning
- KIP exclusive feature: print from or scan to USB drives
- Two choices: Standalone version or scanner fully integrated with a KIP printing system



■ Optimised cost management

reprocontrol.net supports print providers in optimising their cost management by generating quotes on different printers and technologies with one click, without actually printing the document. With this cost management tool, quotations for any print job are fast and straightforward:

- Operators can organise jobs and related costs based on the type of printing, dates and customer names for complete cost transparency.
- A single window displays the width and length, total print area and coverage rate of each job as well as the total number of colour and monochrome jobs.
- Data can be exported to Excel at any time.
- Other printing devices are easily incorporated into this accounting and cost management tool in order to obtain full control of the complete printing system.

■ Optimised internet production

reprocontrol.net enables easy and convenient transmission of reprographic jobs via the Internet. Offering customers a web portal to submit their jobs has turned into an essential requirement for reprographic centres. End customers benefit from this service by saving time and avoiding delays as well as unnecessary travel.

With reprocontrol.net, the KIP Color 80 CAD Designed version offers two alternatives for submitting print jobs via the web:

- End customers can access the system via a web browser and send their print jobs directly.
- Alternatively, customers can install the reprocontrol.net client software on their PC. Via a print job submission interface all parameters of the print jobs can be set.
- Upon receipt of the job file, the print provider simply submits it to the appropriate printer. All print jobs are centralised in a convenient interface, thus optimising the workflow. Regularly used parameters and clients can be saved for simple recall.

Technical specifications

KIP Color 80 CAD Designed Printing System

Printing technology:

LED Electro-photographic

Colour:

CMYK – 4 cartridges

Toner:

Non-magnetic, mono-component toner

Cartridge capacity:

1,700 gr of toner per cartridge

Print resolution:

600 x 600 dpi

Print speed:

210 metres/hour

Print width:

Min. 297 mm / max. 914 mm

Print length:

Up to 45 metres

Media rolls:

4 roll decks and manual bypass

Media types:

Standard bond 60–120 gsm; photo gloss paper; polyester vellums and films; water-resistant billboard blueback 115 gsm; self-adhesive substrates

Warm-up time:

5 minutes

First print time:

< 45 seconds

Power consumption:

Printing 2.6 kW / stand-by 0.8 kW

Controller:

Dell controller; 19" monitor; 4 Core Xeon; 2 GB RAM; 2.4 GHz; 300 GB HDD

Dimensions (mm):

1,544 (W) x 940 (D) x 1,435 (H)

Weight:

820 kg

Acoustic noise:

Printing <70 db / stand-by <55 db

Network protocols:

TCP/IP, 10, 100, 1000

Drivers:

KIP drivers, AutoCAD 2004 –2010, Windows 2003, 2008, XP, Vista and Windows 7 (32 and 64 bit)

Folding solutions (optional)

Dimensions (mm):

1,450 (W) x 1,920 (D) x 1,500 (H)

Weight:

250 kg

Number of available folding formats:

20 customisable programs

Featured folding standards:

DIN 824 type C (210 mm); DIN 824 type B (190 mm); DIN 824 type A (190 + 20 mm); Inverse DIN; AFNOR

Max. folding length:

4 m (80 gsm), 32 m optional; 2.4 m (crossfold)

Media:

From 75 – 90 gsm

Capacity of stacking system:

150 A0 size sheets

Formats:

From A4 size to 914 mm, folded 914 mm to 297 mm (4 folds)

Power consumption:

Folding 200 W, stand-by 50 W

Acoustic noise:

<55 db (production)
<40 db (standby)

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 Gray 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 (mm):

1,366 (W) x 480 (D) x 310 (H)

Weight:

Approx. 70 kg

Power:

100 – 240V AC

«GREEN»
SOLUTIONS

- Energy Star
- ROHS compliant
- ISO 14001 standard
- Ozone filters
- 100% toner efficiency, no waste
- Organic, recyclable photoreceptors



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