Kodak Approval™ XP and XP4 Digital Proofing Systems

Digital Colour Proofing

The new Kodak Approval™ XP4 four colour proofing system can produce up to sixteen digital halftone proofs per hour with unerring consistency and faithful colour rendition, thereby helping reduce downtime and other costly delays.

Versatility and efficiency
Available in either four or two A4 page versions, the Kodak Approval™ Proofing System range of digital proofers incorporates the Approval XP, a unit capable of delivering proofs at a rate of twelve pages per hour and Approval XP4 which delivers proofs at a rate of sixteen pages per hour.. The two machines not only produce highly accurate colour proofs in a convenient way, they also offer significant cost-saving potential. The Kodak Approval™ XP System uses roll fed materials and is totally automated, so much so that it can be left to run for whole shifts unattended. The economies are obvious.
Furthermore, although the requested format is factory pre-set, either the four or two page system can be converted from one to the other on-site by a Kodak Polychrome Graphics Field Service Engineer, using a modification kit.

Quality
The Kodak Approval™ XP4 and Approval™ XP Digital Proofers

accurately produce true halftone dots which are precisely adjusted to show anticipated dot gain, ensuring unsurpassed image quality. At 2400 or 2540 dots per inch resolution, proofs are virtually identical to the finished job, and resolution certainly matches that of imagesetters and platesetters of similar specification. The imaging process and its colourants enable density to be precisely controlled and finely tuned to match the spectral absorption characteristics of the inks to be used on the press. This allows the proofs to be matched with the printing conditions, resulting in type-matter and visuals that truly represent the appearance of the finished printed job.

Advanced technology
The Kodak Approval™ XP System can be readily interfaced with leading RIP manufacturers, further ensuring that the equipment is sufficiently flexible to fit in with virtually any working environment. Compatibility with the printed job is assured because the same RIP can be used for proofing, platesetting and imagesetting.

Kodak *Polychrome*
G R A P H I C S

DIGITAL HALFTONE COLOUR PROOFING SYSTEMS

Kodak Approval™ XP and XP4 Digital Proofing Systems

Recipe Color Software, due for release in 1999, allows for an exceptionally wide range of user defined special colours. Also important, special colours can be represented without the need for additional media.

Authentic paper stock
The only accurate way to see exactly how proofing colours combine with the paper to be used in the final printed job is to use that paper during proofing.

The Kodak Approval™ XP System makes this easily achievable by enabling the user to make proofs on a wide range of actual printing papers, as well as producing double sided proofs. The sophisticated pre-laminate system allows the use of many different substrates without the need for recalibration.

Full technical support
Kodak Polychrome Graphics has an extensive technical support network, including an application laboratory to address specific issues, and a field service organisation incorporating highly qualified specialists who are available to all our customers for on-site assistance and support.

Product Specifications

Maximum output image size:	2-page (XP): 338 x 530mm 4-page (XP4): 676 x 530mm
Dimensions of the Approval XP and XP4 Digital Color Imagers:	193 x 88.9 x 177.8cm
Weight of the Approval XP and XP4 Digital Color Imagers:	816.5 kg
Dimensions of the Kodak 800 XL Laminator:	182.9 x 121.9 x 117.5cm
Weight of the Kodak 800 XL Laminator:	226.8 kg
Imaging type:	Digital halftone
Output resolution:	XP and XP4: 2540 dpi or 2400 dpi (factory or field- service with modification kit)
Standard donor colours:	C, M, Y, K
Separation lay-down order:	Selectable by command. Default: CMYK
Density:	Variable for each colour. For process colours, density can be controlled within ± 22 steps from a nominal mid-level density, each step yielding an approximately 0.025 status-T change in density (for C, M, K) or a 0.0125 change in density (for Y).
Compatible RIP types:	Compatible with any RIP that meets the requirements for communication with the host (TCP/IP interface and protocol) and generates separation data as defined in the published open front end specifications.
Interface type, RIP-to-host:	TCP/IP interface, using sockets
Communication speed:	Not speed-critical. (The host accepts the complete job and handles the timing of transfer of separation data to the proofing engine).
Host type:	Windows NT PC
Timeout intervals:	Communications message timeout: Variable, implemented by customer RIP. (Suggested timeout: 5-10 seconds)
Separation data timeouts:	• 180 seconds for each 10 MByte communication block from the RIP. • 60 seconds between consecutive blocks from the RIP.
Throughput:	XP: 12 A4 pages/hour XP4: 16 A4 pages/hour

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GRAPHICS

Enhancing your image