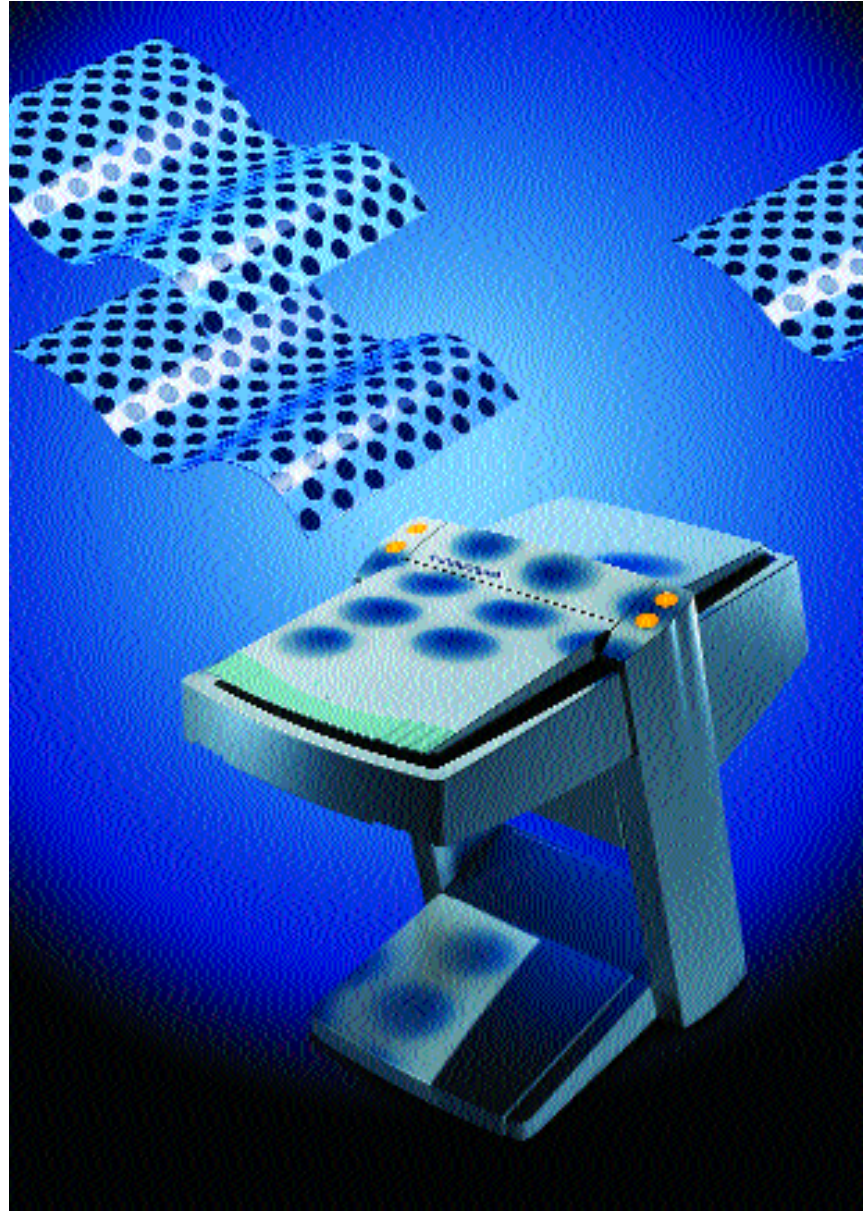


TOPAZ iX.

High-performance flatbed scanning.  
No if's, and's or but's.





Topaz iX works on its own while its operator prepares the next set of scans. Offline assembly combined with Topaz' True One-Pass Scanning results in the ultimate in productivity.

## Redigitize to revitalize.

Your digital workflow can be knocked off the rails when your operator is handed film separations to do the job. Let Topaz iX put you back on track. With the Copix option you can digitize screened and separated material with perfect precision, getting the job back into the flow. Your choice of three applications gets the job done, regardless of the format of the original:

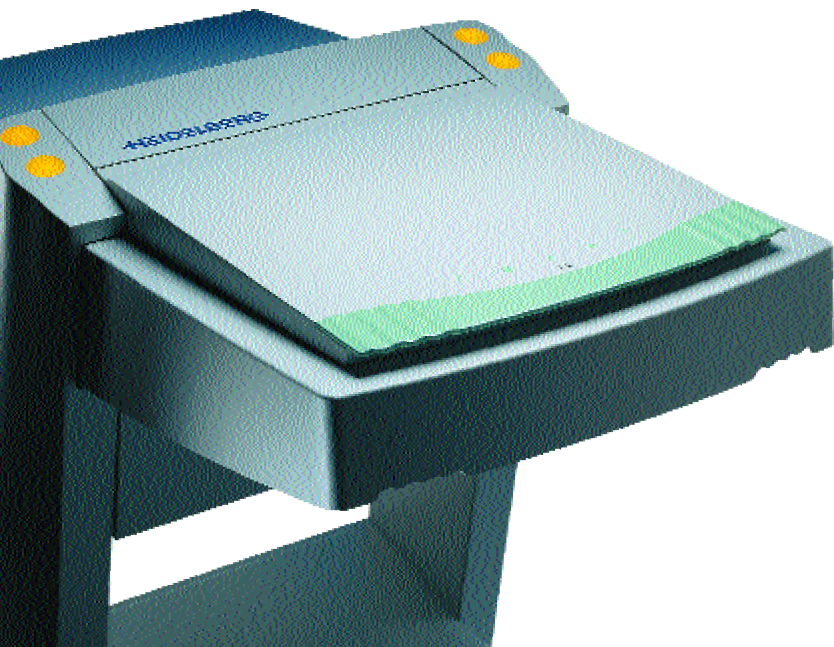
- CopyDot produces a digital copy of screened film which can be integrated directly into the page layout.
- Descreen removes the screens from the separations using patented hardware and software filters.
- MixedMode is a combination of the two methods, and can be used for a variety of applications, such as combining the CMY separations from Descreen and K separation from CopyDot.

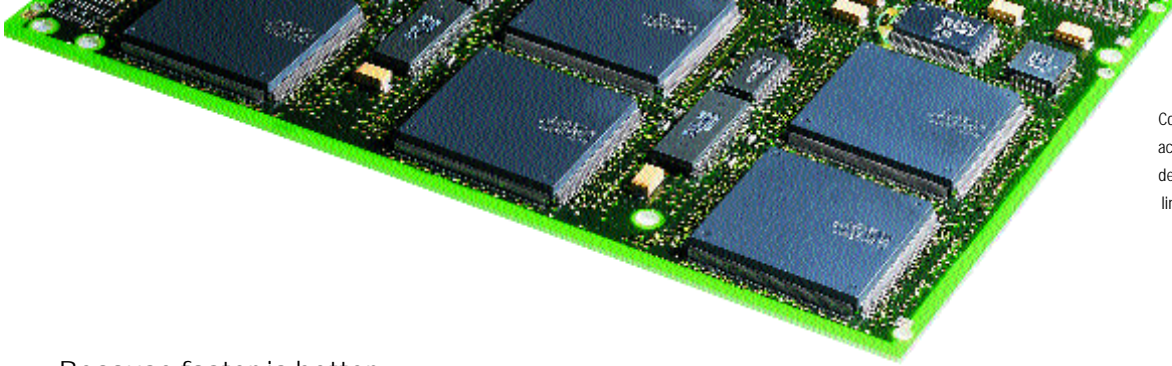
When you use the Descreen mode, you can also scale, retouch and perform screen changes to the "descreened" data. Topaz iX supports standard output formats and compression systems, including DCS, TIFF™/IT, JPEG and CCITT-4. Better yet, it automatically selects the most appropriate scanning mode for the output you require. Topaz iX puts you back in control. Of course in addition to redigitizing, Topaz iX does all the other tasks you would expect from a high-performance scanner, and then some. Scanning reflective art, transparencies, color or black & white positives and negatives is all part of the repertoire. Topaz iX can even scan three dimensional objects, further expanding the services you're able to provide to your clients.

No fuss. No bother.  
Just quality results.

Topaz® iX is the flatbed scanner with the quality heritage. In fact, Topaz scanners are world renowned for their superior performance and high reliability. Topaz ensures your prepress workflow runs smoothly right from the start. So you'll reap more rewards at every step in the

process. **Topaz iX has the power to complete jobs ordinary scanners give up on — particularly work involving screened originals.** The "iX" indicates that with its new Dual CCD Technology, this Topaz is ready for Copix™, which empowers you to easily incorporate conventional film into your digital workflow.





Copix Booster, the hardware accelerator in the scanner delivers fast CopyDot and linework scans.

Because faster is better,  
Topaz works like  
lightening

You know it and so do your clients: A faster workflow gives your company a decisive edge in meeting tight deadlines and reducing costs. That is why we built a hardware accelerator into Topaz iX for CopyDot and linework scans. But that's just the opening of this fast-paced story. Topaz iX utilizes LinoColor™ software for fast and easy operation. It's also equipped with software assistants that quickly and automatically calculate such variables as screen ruling, screen angle and basic film density. Best of all, Topaz iX utilizes high-speed one-pass scanning technology that can even be used

in the CopyDot mode. To put it another way, this flatbed scanner satisfies your need for speed.

Quality without the toil.

Quality is virtually automatic with Topaz iX. It delivers scanning resolutions up to 5,080 dpi for contone scans and 7,620 dpi for line scans. Autofocus hardware optimizes detail resolution. And AutoSharpening hardware provides fast and effective USM. Our engineers worked hard to build quality into Topaz iX, so it would be easy for you to obtain quality results.

When this Topaz is on the job, you can relax.

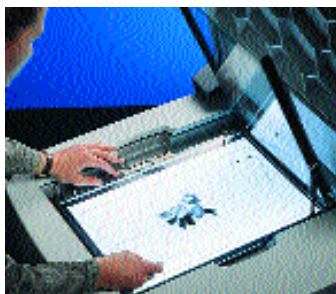
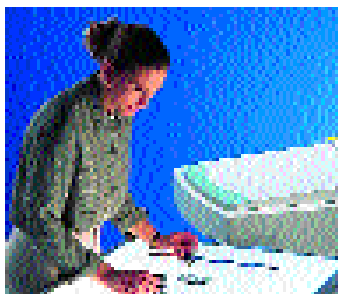
Dual CCD technology is doubly effective.

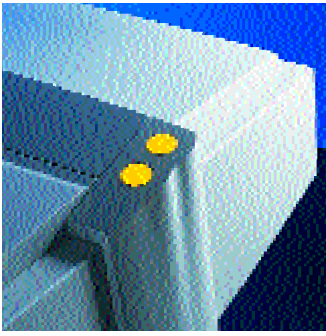
CCD stands for Charge Coupled Device — the innovation that actually “sees” the scan and converts it to digital data. Topaz iX uses two CCD arrays, to make it doubly effective and doubly versatile. The first is a trilinear CCD array with 3 x 8,000 pixels for superb color scans with an optimum signal resolution up to end densities of 4.0 D. The second is a mono-linear black/white CCD array with 12,000 pixels. It produces top-quality CopyDot and linework scans supporting resolutions of up to 3,386 dpi over the entire scanning bed. The result: you do not need to piece together image stripes, a scan at a time. Topaz iX provides true one-pass

productivity without compromising quality, regardless of what is being scanned.

True One-Pass Scanning with Dual CCD Technology.

The new Dual CCD Technology from Heidelberg ensures True One-Pass Scanning for any type of original. That gives you the very finest contours in high resolution across the whole scanning surface in a single pass. You no longer waste time re-scanning and piecing together image strips. True One-Pass Scanning and Dual CCD Technology from Heidelberg give you both optimum productivity and maximum image quality.





LinoColor makes every operator a scanning expert.

Topaz iX is driven by LinoColor, the most sought-after software in the business. That means all the heavy lifting is done for you. LinoColor is equipped with intelligent assistants to ensure consistently high-quality scans and maximize operator productivity:

- ColorAssistant™ performs automatic image analysis.
- GeoAssistant™ takes care of automatic recognition of originals.
- JobAssistant™ automates workflows.

LinoColor perceives colors like the human eye sees them — in terms of brightness, chroma and hue. So your operator can tweak the scan instinctively, without taking a course in calculus.

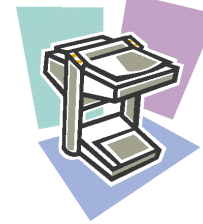
Selective and global color image processing tools are available for both CIELAB and CMYK.

Topaz iX manages your colors. You manage your business.

The color management protocols integrated into LinoColor ensure a perfect workflow from input, through proof, to final print.

That gives you true color across the board, encompassing open systems that are ICC® compatibility and based on the CIELAB color space. This core technology has been chosen by both Apple® (ColorSync® 2) and Microsoft® (ICM®) to manage color in their operating systems.

Topaz allows you to benefit from integrated scanner calibration that's in-sync with everything under the sun. Agfa®, Fuji® and Kodak® professional reflective and transparency profiles included in LinoColor provide top-quality CMYK separations. Optional tools for creating your own ICC profiles are also available. The only thing you need to think about is bringing in new business.



TOPAZ iX



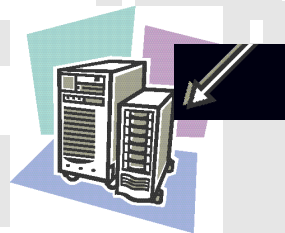
Scan-Workstation



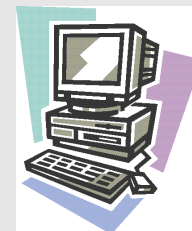
Mac®



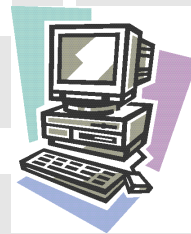
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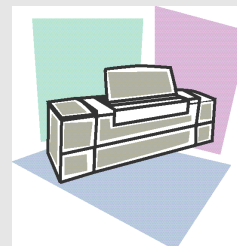
Server



Signastation®



Proofer



Trendsetter

We're at your service.

Topaz iX is brought to you by Heidelberg. **That means this scanner comes to you with an unprecedented level of support.**

Training courses, individual and group instruction, hotlines, quick installation, field service, updates and upgrades — when Heidelberg is your partner, superior service is part of the package.

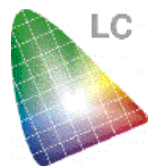
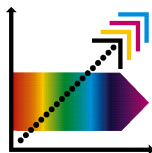


As we noted previously, Topaz iX supports three scanning processes to optimize redigitization of scanned color film separations — CopyDot, Descreen and MixedMode. CopyDot provides a digital copy of the original in high resolution. The strength of this process lies in the

true-color reproduction of even the finest contours. Descreen descreens the origin digitally, without defocusing the optical system, and delivers a contone file. This method's benefits include excellent color value reproduction and exceptional

versatility through the subsequent processing options it offers. MixedMode is a combination of the CopyDot and Descreen processes. It allows you to bring the best of both processes to the job at hand.

The first automatic chronograph in space was scanned on a Topaz. The 142 Ti GZ tidal chronograph from Sinn Spezialuhren puts time on your wrist. The Topaz iX puts time on your side.



TOPAZ IX	
Scan system Color / contone CopyDot / linework	Flatbed scanner with Dual-CCD Technology Trilinear color CCD array with 3 x 8,000 pixels Monolinear black/white CCD array with 12,000 pixels
Software LinoColor Cumulus® image database	LinoColor scanning and editing software for Apple Power Macintosh computers Cumulus Desktop, stand-alone version for Apple Power Macintosh computers
Image processing hardware CopixBooster AutoScaling AutoSharpening	Hardware accelerator for CopyDot and linework data in the scanner Special hardware for infinite scaling in the scanner Special hardware for optimum high-speed USM calculations in the scanner
Original holders Universal tray Slide tray Rotary tray (optional) Cassette, glass (optional) Cassette, glassless (optional) Cassette, 35 mm slides (optional)	For all reflective / transparency originals, max. Format 12" X 18" Glassless tray for easy mounting of max. 32 framed 35 mm slides For holding and fully-automatic rotation of cassettes scan format 5.1" X 5.1" Glass cassette for transparency and reflective originals, max. format 5.1" X 5.1" Glassless cassette for holding max. 6 unframed 35 mm slides Glassless cassette for holding max. 4 framed 35 mm slides
Mounting aids Light table Mounting ruler	Integrated in the scanner For exact alignment of originals on the universal tray
Max. format of originals	12" X 18" for reflective, 9.8" X 18" for transparencies
Types of original	Reflective and transparency, color and black/white, contone and linework, positive and negative, 3D originals up to max. height 20 mm
Max. thickness of originals	Universal tray — 20 mm
Scaling Color / contone Linework	20 to 2,500% 20 to 2,500%
Scale calculation	Stepless with AutoScaling hardware in 0.1% steps
Sharpness calculation	AutoSharpening hardware in the scanner
Max. scanning resolution Color/contone Linework	Optical resolution 5,080 dpi interpolated resolution 11,000 dpi Optical resolution 7,620 dpi interpolated resolution 16,490 dpi
Density range	3.7 D, measured on film output of gray scale
Max resolvable density	4.0 D, measured on film output of gray scale
Signal resolution	16 bits per pixel
Interface	SCSI-2 for interfacing a workstation
Power supply	90-130 V, 180-260 V, 50-60 Hz
Power consumption	Approx. 150 W
Ambient conditions	64° to 80° F, 30% to 70% relative humidity
Dimensions (WxHxD)	Approx. 27.6" X 43.3" X 51.2"
Weight	Approx. 300 lbs.
Approvals	CE, CSA, GS, UL, VDE

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TOPAZ IX Copix	
Basic unit IX	Data and scope of delivery as TOPAZ IX
Software Topaz Copix Descreen Copy Dot MixedMode Merge CopixAssistant	For redigitizing film color separations including the following functions: Digital descreening of screened film color separations Redigitizing screened film color separations Combination of Descreen and CopyDot Automatic merging of up to 64 film color separations Automatic detection of screen ruling, screen angle and basic film density from the original
Original holders	Copix tray for mounting films, scan format max. 12" X 18"
Register systems	Bacher Plate System, Bacher German System Billows-Kodak English Film System, Ternes-Stoesser American System
Max. format of originals, Copix	12" X 18" for reflective and transparency in Copix operation
Max. scanning resolution, Copix	Optical resolution 1,000 dpi — interpolated resolution 3,386 dpi for full 12" X 18" format

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