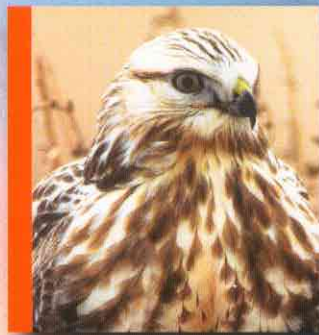
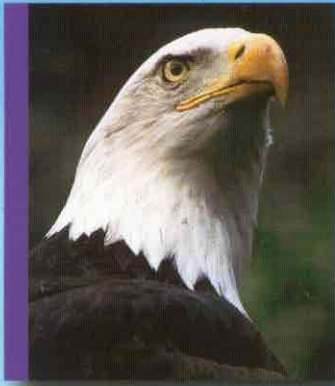




ColorGetter



A NATURAL
PHENOMENON IN
HIGH RESOLUTION
DESKTOP
SCANNING

3 Desktop Scanning Solutions That Cover A Wide Range Of Applications.

Although they're not "birds of a feather," Optronics ColorGetter Osprey, Hawk, and Eagle desktop drum scanners do join together to provide a more application-specific solution to the diverse, and increasingly rigorous, prepress requirements of today's service bureaus,

color separators, printers, and publishing scanner professionals. This line of ColorGetters will let you select the capabilities most suited to your unique imaging needs by resolution, imaging area, and speed, for the highest productivity at the lowest possible cost of ownership.

Highest Quality Photomultiplier Tube (PMT) Technology

Highly sensitive PMT technology is the heart of each ColorGetters' ability to capture the brilliant highlights, fine details, rich colors, and deep hues of your original transmissive, positive or negative, and reflective artwork or black and white media. In a single pass, the scanners' 3 PMTs simultaneously receive and convert red, green and blue information into 36 bit data from the original, for precise RGB or CMYK output. This extreme sensitivity to each color pixels' density gives ColorGetters the large dynamic range of 0.0 to 4.0 D Max, resulting in far superior shadow and highlight detail compared to other drum and flatbed scanning technologies.

Wide Range of Resolutions, Image Area, and Speed

Osprey is the entry level scanning system that provides up to 8128 dots per inch (dpi) of true, non interpolated, resolution on an 8" x 10" (20.3 cm x 25.4 cm) image area. Its 1200 rpm drum speed provides fast capture of any type of flexible media that mounts on a removable drum.



A removable clear acrylic drum is used to scan multiple transmissive and reflective originals simultaneously. Drums install easily and are self-centering to ensure precise alignment.

High production environments benefit from the large scanning areas of the Hawk and Eagle models. The Hawk's medium image area is 10.5" x 12" (26.67 cm x 30.48 cm). The Eagle offers a larger scanning area of 11" x 15" (27.9 cm x 38.1 cm).

Versatile Software Supports Popular Multiple Platforms

ColorGetters offer several scanning software solutions ranging from Optronics' own intelligent ColorRight for Macintosh and ColorRight PC for Windows95, to ColorRightPro, a new scanning software that adds specialized high end tools. ColorRightPro features a 48-bit dynamic range interface that conforms to ColorSync standards, supports automatic press fingerprinting, and easy automatic de-screening.

Demanding production environments will find ColorRightPro's expert level modes for gray balance, UCR, GCR, Dot Gain, user definable tables, and unlimited interpolated resolutions the perfect combination of tools for the professional production prepress, image manipulation, photographic, and wide format digital print markets.

Field Upgradeability Protects your Investment

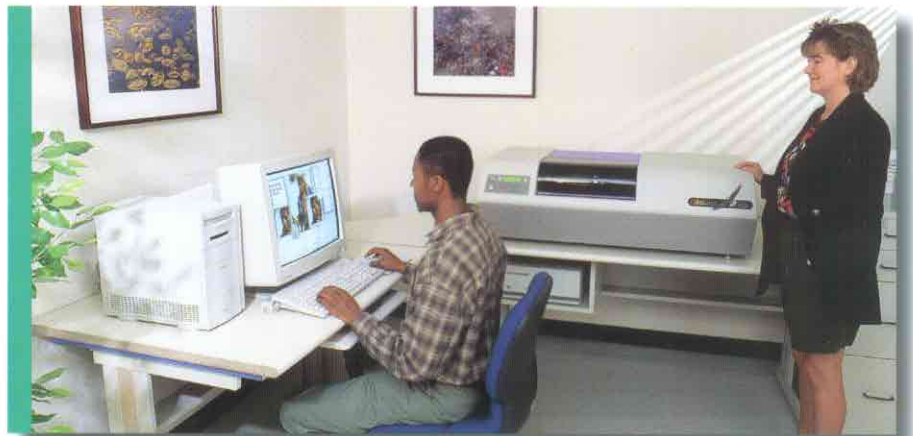
Preservation of investment is built into each and every ColorGetter. Unlike other drum, and all flatbed scanners, ColorGetters are designed to grow with you and your organization. All ColorGetters can be upgraded to an Osprey, Hawk, or Eagle.

Award Winning Combination of Quality, Durability, and Affordability

Optronics' ColorGetters continue to acquire awards ranging from 'Best of Drupa' to Electronic Prepress' 'Hot Products' for two years running, along with four stars in State Street Consultants' 'Best of Class'. No wonder ColorGetters are the choice of scanner professionals. They attest to our industry-leading MTBF (Mean-Time-Between-Failure) rate. The ColorGetters' unmatched durability is based on a 217 Lb. platform, pure white MetaHalide lamp light source, and superior optics with automatic calibration that combine to bring you the highest-quality scanning solution available.

The ColorGetter Osprey, Hawk, and Eagle are the worlds' leading desktop drum scanners. The professional scanners' choice for quality, durability and affordability, offering you value and upgradeability to establish your reputation for producing high quality color, thus increasing your new and repeat business.

The ColorGetter Osprey, Hawk and Eagle simply offer the best possible scanning value you can buy.



The ColorGetter Osprey, Hawk, and Eagle's intelligent scanner controller responds to commands received from your host computer system running Optronics ColorRight software.

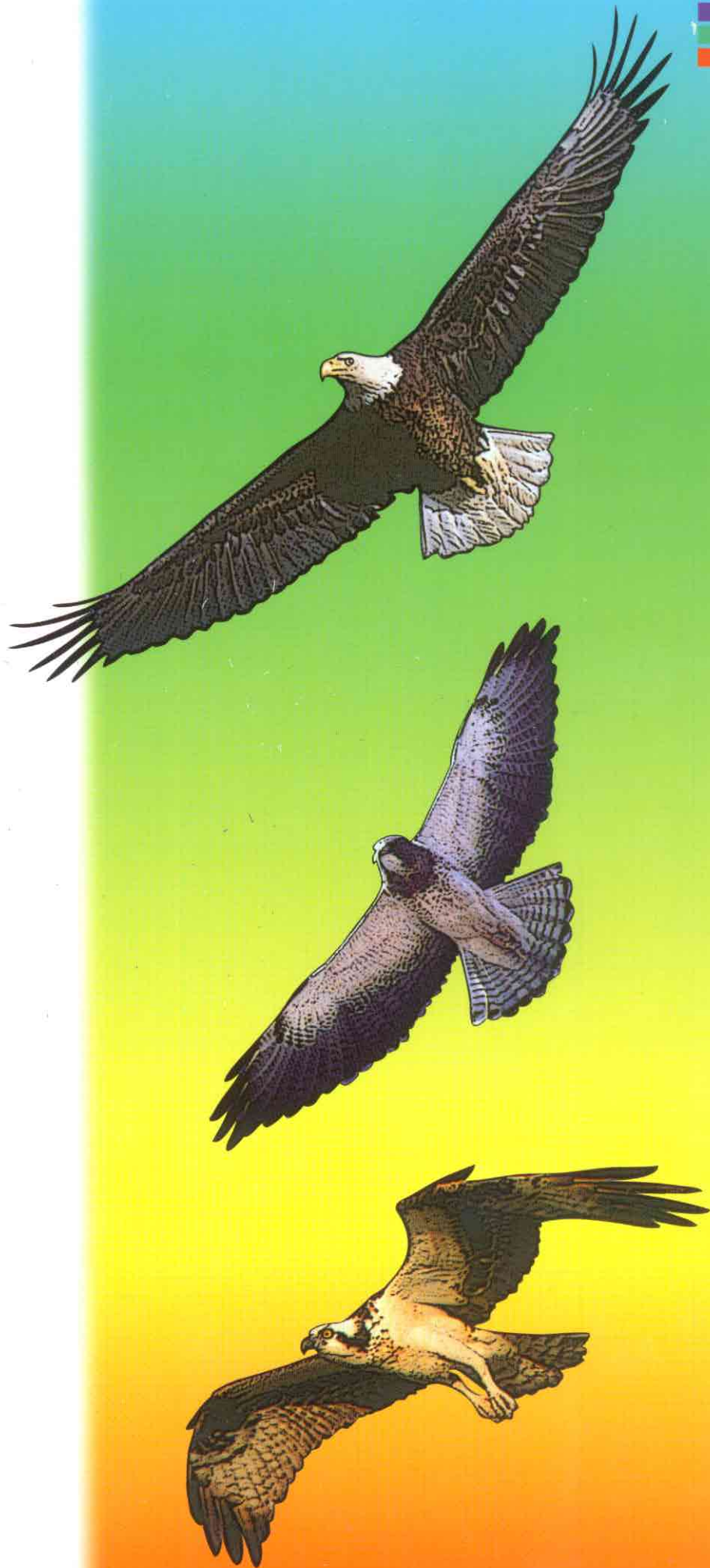


Consider what the Osprey, Hawk and Eagle have come to symbolize - keen eye, swift flight, and aggressive pursuit. It is no wonder our new line of ColorGetter desktop drum scanners is named after these majestic icons of nature, and the enduring attributes they represent.

Optronics' new Osprey, Hawk, and Eagle offer you the ability to produce scans of extraordinary resolution and color fidelity - made possible only with superior optics, proven PMT technology, and high speed for the production professional. By producing full richness and sharpest detail from the original, ColorGetters' bring the quality of output to impressive new heights.

The Osprey, Hawk, and Eagle are uniquely engineered to capture the infinite spectrum of color and create a result so dazzling that each one, like the arched prism of a rainbow, is truly a natural phenomenon.

Optronics not only flies high with input devices, it also soars with a family of computer-to-plate imaging systems. Optronics Aurora PlateSetters offer advanced innovative features with unparalleled color application flexibility of the CPS workflow management system to produce color imaging of exceptional quality, and affordability.



User replaceable, spectrally pure white Metal-Halide Lamp light source, supplies neutral color balance. Enhances critical data capture, and deeper blue spectrum for better shadows detail.

Widest dynamic range of any desktop drum scanner, 0.0 to 4.0 D Max. for ultimate highlight and shadow detail.

Extremely precise optics deliver smallest spot size, 6.25 microns, of any desktop drum scanner to capture an original's fine detail, and subtle hues.



The ColorGetter Osprey, Hawk, or Eagle user control panel is designed for ease of use. Functions for machine On/Off, Open/Close door, and Spin Up/Spin Down are provided. LCD readout offers helpful 'at-a-glance' status of each scanning function.

Automatic zero-adjustment calibrates on every drum revolution for greater stability and repeatability.

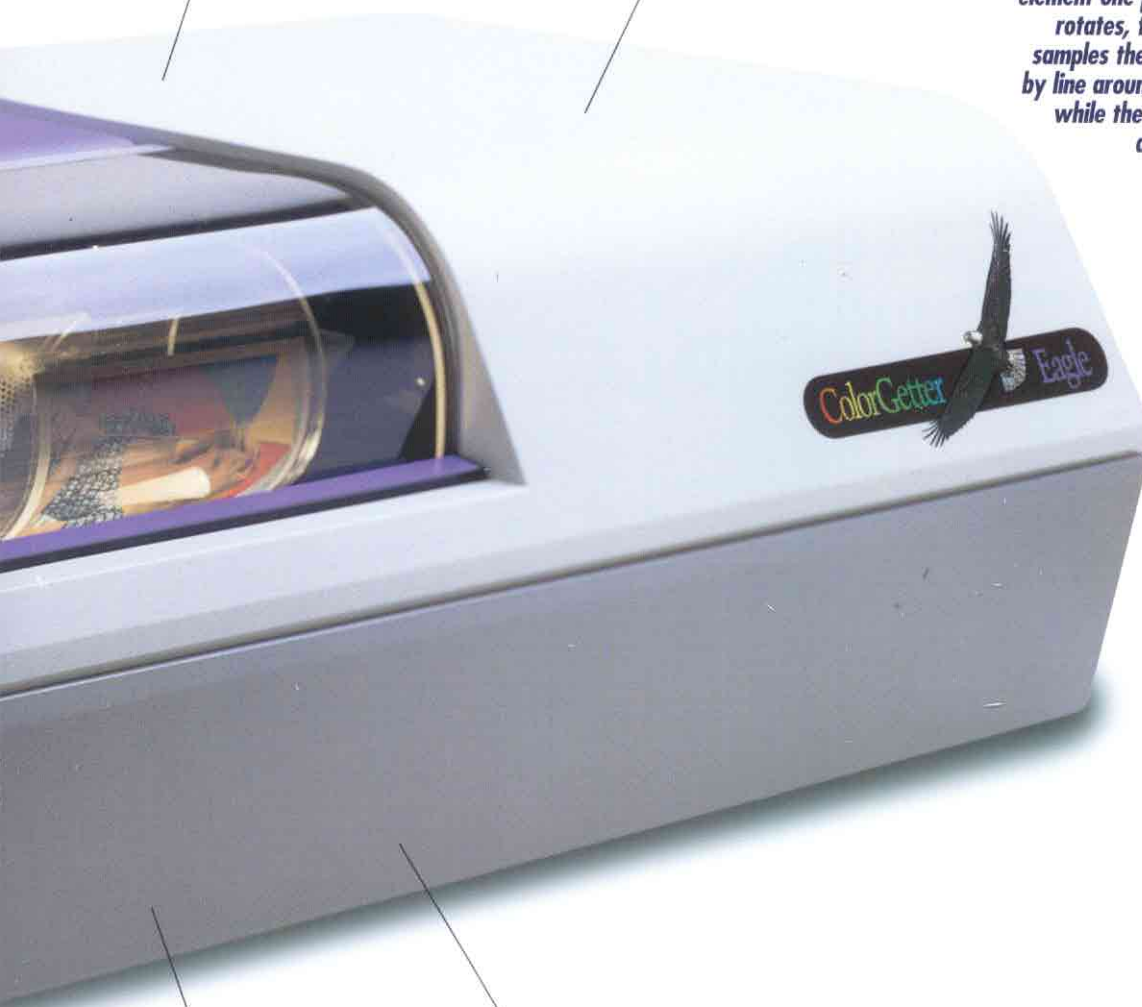
26 automatic apertures provide perfect sharpness, color registration, and batch scanning of mixed media in a single scan session. Offering more flexibility and superior focus than other desktop scanners

Highest desktop drum scanner non-interpolated resolution of 8,128 dpi for the majority of scanning. Unlimited interpolated resolutions with ColorRightPro software.

Scan areas up to 11" x 15" fit any flexible reflective or transmissive original material.



Superior optics examine each picture element one pixel at a time. As the drum rotates, the highest quality PMTs samples the density of each pixel, line by line around the drum's circumference, while the optical assembly moves across the drum.



Industry leading MTBF rating for desktop drum scanners with over 4000 satisfied users world wide.

ColorGetter Osprey, Hawk, and Eagle are the only scanners offering an upgrade path to larger format for increased productivity.



ColorRight for the Macintosh (pictured), ColorRight PC, and ColorRightPro for Macintosh, Windows95, or NT color correction scanning software lets novice and advanced users control a range of functions to quickly optimize each image.

**ColorGetter Osprey**

8 x 10 scan area (20.3 cm x 25.4 cm)

8128 resolution.

Up to 1200 RPM drum speed

**ColorGetter Hawk**

10.5 x 12 scan area (26.67 cm x 30.48 cm)

8128 resolution.

Up to 1200 RPM drum speed

**ColorGetter Eagle**

11 x 15 scan area (27.9 cm x 38.1cm)

8128 resolution.

Up to 1200 RPM drum speed

Media carrier	Removable rotating drum.
Input originals	35mm to maximum drum image area as specified by each model. Transmissive and reflective. Color, black and white continuous tone images, line art, and logo types. Flexible to conform to curved drum.
Apertures	26 automatic selections from 6.25 to 800 microns.
Color resolutions	12 bits per color, 4096 levels of gray. Yields up to 36 bits color capture with 12 or 8 bits / output to 12 or 16 bit Dynamic Range interface. Work modes include: 12 or 16 bit density to RGB, and 121 to 16 bit density to CMYK with ColorSync Color Management standards, dependent of software supplied.
Scan speed	Average of 45 images per 8 hour shift, up to 50 scans per hour depending upon size of original, final output size, output line screen frequency requirements, and host computer system configuration.
Data formats supported	Hardware dependent including: Simultaneous RGB, Line sequential RGB, and Monochrome.
CPU Interface	Macintosh PowerPC running MacOS 7.6 or greater, and PC clones running Windows 3.11, Windows95, or Wintel NT 4.0. All systems require 90MHz or faster processors with 32 to 64 Mbytes of active RAM or higher, and 2 GByte hard drives or larger.
Operator Software	Via host resident ColorRight Macintosh, or ColorRight PC, software applications. Software defines type of original, scan area, sampling interval, color separation, color correction curves, and USM with selective color correction. ColorRightPro provides for production, and expert level modes using UCR, GCR, Grad 3, Grad 4 curves along with total ink control, and negative slope detection, along with Dot Gain, and CMYK Gray Balance user definable tables. In addition to press fingerprinting, and automatic descreening tools, along with unlimited interpolated resolutions above 8128 dpi optical resolution.
Output file format	RGB TIFF, CMYK TIFF in 8, 24, and 32 bit standards (compressed via LZW, JPEG and other methods) TGA, Alias Tile, IRIS IRG, SGI, DDES, CT and LW, and Scitex CT, Scitex 1-bit LW files via ColorRightPro software.
Host interface	IEEE 488 parallel GPIB
Focus control	Variable automatic and manual focus via apertures.
Light source	Metal-Halide lamp, (user replaceable).
Physical dimensions	Scan unit: 45" wide x 24" deep x 14" high, (115 cm x 61 cm x s), 217 lbs. Control unit: 11.6" wide x 15.4 deep x 3.6 high, (29,5 cm x 39 cm x 9.2 cm), 16.5 lbs.
Power requirements	100 / 120 / 220 / 240 / + 10% VAC, 50 / 60 Hz, 700 watts.
Operational conditions	Temperature: 65-75 degrees F. Humidity: 40%-70% non condensing.

**OPTRONICS**
International Corporation
Performance in Precision Imaging

Professional Marketing Services, Inc.
4802 East Ray Road, Suite 2328
Phoenix, Arizona 85044-6417
P: 480-940-5400 F: 480-940-5488
E-mail: pmsi@promarketinc.com
Web Site: www.promarketinc.com