The Chromira is the best printer in the world by design

AFFORDABLE AND UPGRADABLE IMAGING SOLUTION

The Chromira 30 was created in 1998 to provide labs with an affordable path into digital imaging. As the fastest selling digital LED printer in the world, there's proof that it still succeeds in that today. However, ZBE now also provides labs with a path to greater digital growth. If you choose the affordable industry workhorse Chromira 30, not only will you receive the benefits of imaging on Chromira, you also get an affordable upgrade path to the speed and extra productivity of Chromira 5x imaging technology.

IMAGE QUALITY

At 300 PPI, the images produced with Chromira are of the highest photographic quality in the industry. However, ZBE's Resolution Enhancement Technology improves on that and increases the visual resolution to 425 PPI, ensuring that you receive a quality image every time.

PRODUCTIVITY

Chromira is designed on a foundation of bottleneck-free technology, which means that the usual "front end" workstation is removed from the production process. Instead of one workstation sending jobs to the printer, all PCs on the network have full access to Chromira. Furthermore, no operator is required during printing. Chromira will print completely unattended until it is time to re-load the material. This results in continuous, unattended printing of images submitted from computers throughout the lab. Because Chromira printers can be controlled by all workstations in the lab, the single "front end" workstation bottleneck (utilized by other printers) is eliminated, greatly improving the digital imaging workflow.

RELIABILITY

Chromira's modular design makes the product inherently reliable. Solid state LEDs - unlike vacuum tube lasers - have virtually unlimited life. In addition, Chromira was designed with the user in mind, so that nearly all components are both user serviceable and replaceable. This results in maintenance costs that are only a small fraction of other digital printers.

AFFORDABILITY

Cost of Chromira ownership is just a fraction of the cost of competing products. In the past, investing in digital technology used to be too expensive for many labs. However, Chromira's lower cost of ownership results in higher profit margins for the lab, allowing customers to justify the addition of digital imaging to their services. This makes Chromira the printer for everyone.

Specification

Material Size:
Roll to Roll in any width from 8" up to 30", and any length up to 275'.

Loading or unloading time:
Less than 1 minute.

Materials:
RA4: Paper or Film.

Print Sizes:
Full width 30" x continuous.
Image files scaled on-the-fly to any desired print size.

File types:
TIFF (Mac or Windows), Windows BMP, or JPEG. Open interface from RIP.

Physical:
64" L x 36" W x 60" H (162cm x 91cm x 152cm). Access required on 3 sides, desirable on all 4.
Will fit through 30" (76cm) door, by removing top of cabinet. Daylight operated. Darkroom loading.

Weight:
715lbs. (418Kg)

Connections:
120/230VAC, 1000 W.
Network connections 10base T or 100base T.
Compressed air (60-100 psi).

Platform:
Windows XP (embedded in printer).

Print Head:
LED Technology.

Resolution:
300 PPI; 425 PPI visual resolution with ZBE's patented Resolution Enhancement Technology.

Color Depth:
36 bit.

Speed:
5" per minute for 30" paper, depending on file size and degree of enlargement or reduction.
Image scaling, rotation & color balancing performed "on the fly" while printing.
Equals:
62 square feet per hour.
2 - 100 ft. rolls per 8 hr. shift

Throughput:
Operation of Chromira workflow is highly optimized for maximum print throughput and fully unattended operation. The usual "front end" bottleneck is eliminated with Chromira. Each PC networked in the lab has full access to the "front end" functions. This completely eliminates the need for a dedicated "front end" computer, and removes the bottleneck, which results from having to pass each print job through the "front end" workstation.
Print files may be printed from any location on the network. No machine operator is required for printing. Printing begins immediately and proceeds as the file is received over the network. The print file need not be fully received at the printer to begin printing. At worst, network

delays will cause the printer to pause with no resulting artifact in the print and no loss of print quality.
The user interface for submitting jobs and controlling printing parameters is refined for high throughput and particular ease of use. Each workstation submitting jobs to the printer can control all printing parameters as well as monitor the queue of work being printed.
Each workstation has full control of: print size, image rotation, print job priority, borders, text notes on prints, color balance, and number of prints.
Multiple Chromira printers are supported.

Open System:
Compatible with all commercial RIP packages with RGB TIFF output. A dedicated RIP is NOT required because Chomira can image RGB TIFF, JPEG, and BMP file directly. Compatible with any off-the-shelf color management software. Sophisticated built-in Self-Diagnostics system. Optional Automated print cutter. Automates cutting of package prints and nested individual prints from roll.