

# Explore New Markets with Chromira<sup>5x</sup> ProLab

## Books & Albums

Beautiful Photo book and Album pages are easy to print with the Chromira<sup>5x</sup> ProLab and ZBE's WorkStream Imaging Automation digital print production software.

Create and image your own unique page designs in popular large formats that will attract new customers.

Custom Wedding Albums, Photobooks, Coffee Table Book pages

## Graphically Enhanced Prints

Design your own exciting custom-templated large or small format print products. The Chromira<sup>5x</sup> ProLab and WorkStream Imaging Automation makes it drag-&-drop fast to create exciting new and beautiful custom print products.

Artistic Border Prints, Photo Montages, Calendars, Scrapbook Pages, Memory Mates, Posters & Greeting Cards

## Portrait/Social/Sports

Save time, materials, and labor by delivering mixed-size print orders that are automatically cut, assembled and ready to deliver with Chromira<sup>5x</sup> ProLab's integrated XY cutting and collating systems.

Quickly image Wedding & Portrait package print units, Sports & Team prints, School packages and the highest quality Senior enlargements.

## Large Format, Fine Art, Custom & Commercial Backlit Display

Award-winning Chromira 5<sup>x</sup> imaging technology delivers state-of-the-art quality and vivid color. Plus, ZBE's 300 PPI/425 PPI enhanced visual resolution imaging technology gives you the sharpest prints in the industry.

## Chromira<sup>5x</sup> ProLab Digital RA-4 Lab Specifications

**Material Size:**  
Daylight loading 20" or 30" (50cm or 76cm) wide rolls

**Loading or unloading time:**  
Less than 2 minutes

**Materials:**  
RA-4 Reflective and Transparent Material

**Print Sizes:**  
3.5"x5" up to 30" (76cm) x 160 feet (48.7 m), full bleed or with borders. 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:**  
Footprint: 65" L x 60" W x 64" H (165cm x 152cm x 163cm), 28.75 sq. ft. (2.66m<sup>2</sup>)

Access required on all 4 sides. Daylight loading and operation

**Connections:**  
Network: 100/1000 Base-T network,  
Air: 3 cfm @ 80 psi (85 lpm @ 5.5 BAR),  
Power: 208/240V, 6.5kW/30A

**Platform:**  
Windows XP (embedded in printer)

**Print Head:**  
Proprietary LED Imaging Technology (Patented). Utilizes ZBE's powerful Chromira 5x Hybrid LED imaging engine

**Image Resolution:**  
300 PPI; 425 PPI (visual) with ZBE's patented LED Resolution Enhancement Technology

**Color Depth:**  
36 bit

**Print Speed:**  
24" (61cm) per minute. Equals:  
1440 - 4"x6" (10cm x 15cm)  
480 - 8"x10" (20cm x 25cm)  
240- 11"x14" (28cm x 35cm)  
69- 20"x30" (50cm x 76cm)  
35- 30"x40" (76cm x 100cm)

**Throughput:**  
Operation of the printer workflow is highly optimized for maximum print throughput. Each workstation on the network has full control of "front end" printer functions. Print files may be printed from any location on the network. The print file need not be fully received at the printer to begin printing.

The user interface for submitting jobs and controlling printing parameters is designed for high throughput and 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 including: print size, image rotation, print job priority, borders, text notes on prints, color balance, and number of prints.

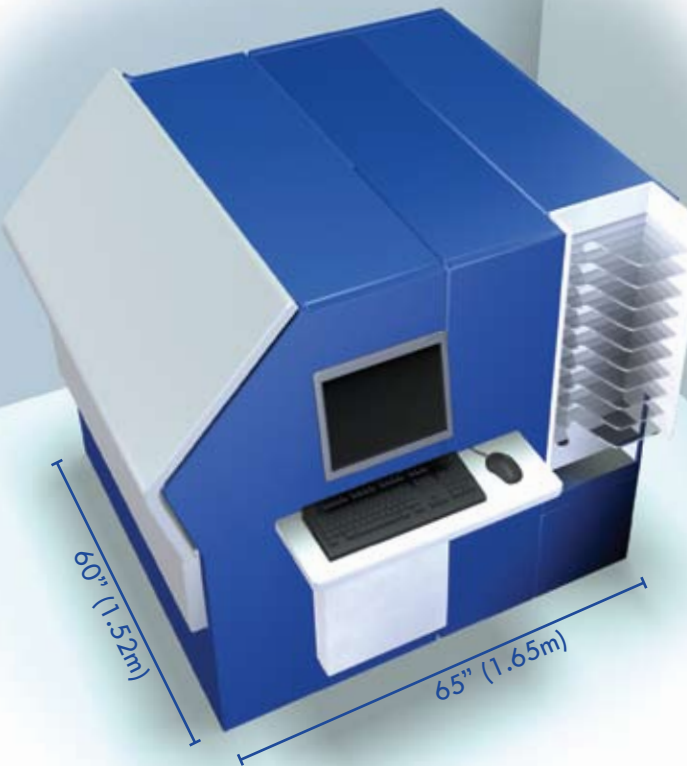
**Open System:**  
Compatible with all commercial RIP applications supporting standard JPEG and TIFF file formats. Dedicated RIP is NOT required. Chromira<sup>5x</sup> ProLab is compatible with any off-the-shelf color management software.

A sophisticated integrated self-diagnostics system monitors all printer systems for failure and make problem trouble shooting quick and simple.

**Paper Processing:**  
Integrated RA-4 photographic processor.

**Print Finishing:**  
Automated XY finish print cutting, Order sorting, and Back-printing.

Big output.  
Small Footprint.



chromira<sup>5x</sup> ProLab

ONE PRINTER DOES IT ALL



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## CHROMIRA<sup>5x</sup> PROLAB

### The only printer you'll ever need

The Chromira<sup>5x</sup> ProLab is an affordable, high speed, all-purpose digital printer that will meet any imager's small-to-large format digital printing needs. It offers the speed and productivity to quickly image retail 4x6" consumer print orders, as well as the award-winning image quality to produce state-of-the-art large format professional prints and murals (up to 30"x160 feet long). While it offers the speed and image quality large pro labs require, it costs less than most mini-lab systems and is small enough for any retail imager who wants just one printer that can do it all.

For most imagers, maximizing lab floor space is critical, so the Chromira<sup>5x</sup> ProLab was designed to offer the smallest footprint of any 30" printer-processor lab system. But we didn't compromise on productivity; labor-saving capabilities are built-in with an in-line XY finish cutting and order collating system... which comes standard with the Chromira<sup>5x</sup> ProLab. These labor-saving packaging capabilities give even the smallest imager maximum productivity.

Ideal for any market, this labor-saving all-in-one printer utilizes ZBE's patented LED technology to image beautiful, high quality prints that exit the machine fully cut and collated into finished orders. Its printing-processing speed of 24 IPM, in combination with its software's ability to create murals, album pages and nested portrait packages, results in great adaptability and flexibility for both you and your customers.

Chromira<sup>5x</sup> ProLab was designed to be an affordable and highly productive printer that will give small and medium size labs a significant competitive advantage. It also offers larger pro labs a fast, labor-saving compact system that can support all of their digital print production needs.

## STATE-OF-THE-ART TECHNOLOGY

Chromira<sup>5x</sup> ProLab utilizes ZBE's award-winning and reliable Chromira and Chromira 5<sup>x</sup> LED imaging technology:

- Patented LED imaging technology
- 300 continuous tone PPI imaging with a visual resolution of 425 PPI for highly detailed, beautifully defined prints
- Proven reliable and affordable LED imaging engine

## SMALL FOOTPRINT, VERSATILE HIGH-SPEED PRODUCTION

Efficient and fast, Chromira<sup>5x</sup> ProLab can produce 300 sq. ft. of individual images in one hour - printed, cut and collated. That's 1440 4x6 prints, 480 8x10s, 35 30x40 large-format images or anything in between. And Chromira<sup>5x</sup> ProLab will image perfectly matched prints of any size, every time:

- 24" per minute printing/processing
- Small footprint for today's space conscious professional and digital minilabs
- Unlimited distributed front-end network image submission
- Image mixed-format orders with a single emulsion
- Automatic nesting for optimum paper management or group nesting to ensure related orders are kept together for easy order finishing
- Seamless integration with Photoshop
- In-line back-printing

## USABILITY & SIMPLICITY

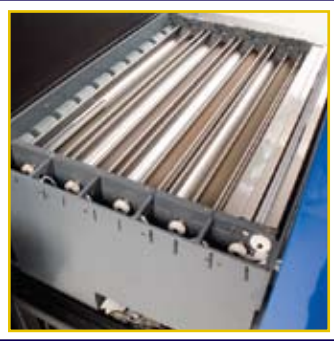
Chromira<sup>5x</sup> ProLab was designed with the user in mind. It is easy to learn, use, service and maintain. It is designed to be simple and still produce truly professional, state-of-the-art high-quality images. At the same time, the Chromira<sup>5x</sup> ProLab provides unprecedented labor-saving features that no other digital roll-to-print printer can offer.

- Designed for imagers with minimal operational space availability
- Multiple step-saving in-line order production and finishing
- Convenient access to all systems for service and maintenance
- Full daylight operation and paper loading (no darkroom or cassettes needed)
- Washless RA-4 process configuration available for locations with limited water and drainage resources
- Fast and intuitive digital print production and order creation software



**Proprietary LED Imaging Engine**

Award-winning 300 PPI LED imaging delivers high speed and reliable printing with a 5 yr limited LED head warranty



**Integrated Image Processing**

An advanced RA-4 process module delivers flawless & dependable image quality



**Automatic XY Cutting & Back-printing**

Fully integrated finish cut and collated prints



**Daylight Loading & Operation**

Fully daylight operational - with no darkroom or cassettes needed



**Onboard Solution Storage**

Space-saving built-in process solution containers provide easy access & convenient storage



**Automatic Order Collating**

Delivers fully collated finish cut print orders that are ready to QC and bag



## WORKSTREAM IA IMAGING AUTOMATION

WorkStream Imaging Automation (IA) is digital print production software that manages order production in the digital photo lab or imaging service bureau while integrating operations with the lab's digital studio and photographer customers via WorkStream Digital Studio (DS). It creates a fast enhanced workflow between the lab and its customers, enabling quick and seamless acceptance of photographer generated orders.



WorkStream IA handles all aspects of order creation, management and production, offering a multitude of digital imaging features and powerful printing capabilities. To streamline and automate your digital imaging workflow like never before, WorkStream offers such features as:

### Digital Print Production Automation

- Fast and precise drag-and-drop order creation
- Intuitive suite of VCNA-style image-editing controls
- Integration of ICC color management tools
- On-screen "soft proofing" for high yield, first run professional prints
- Quickly create exciting new graphically enhanced single/multi-image print products
- Automates composite templates such as posters, greeting cards, and calendars
- On-screen cropping, sizing, rotation, global color, saturation, contrast, and sharpness control
- One click integration with Photoshop for complex image retouching

## NEW PRODUCTS FOR EXCITING NEW OPPORTUNITIES

Explore new imaging markets; Chromira<sup>5x</sup> ProLab's integration with WorkStream enables imagers to enter into profitable new opportunities with the automation of composite template builders, allowing an unlimited potential of next generation print products. Create anything from simple logo'd print products to photo books, album pages, portrait packages, panoramas and multi-image graphically enhanced photographic products.



Chromira<sup>5x</sup> ProLab also delivers quality even the most discerning customers might demand. Compare the lab's output to that of ink jets. You will find they can't stand up to RA-4's photo quality, beautiful saturation, and smooth finish...all with the most affordable and cost effective media in the industry.

Combine these with the ProLab's continuous imaging speed of 24 IPM and its cutting and collating features, and you'll find more avenues opening to you to expand your business and appeal to new clients as well as old.

## CHROMIRA<sup>5x</sup> PROLAB RELIABILITY AND SERVICE

Designed and manufactured in the USA, the Chromira<sup>5x</sup> ProLab offers the same proprietary LED digital imaging technology as ZBE's other award winning Chromira and Chromira 5<sup>x</sup> brand printers, which have proven their exceptional reliability in hundreds of professional labs in the United States and worldwide. Chromira<sup>5x</sup> ProLab utilizes an advanced RA-4 processing module designed to deliver flawless and dependable image quality and process consistency.

Conceived with the user in mind, the Chromira<sup>5x</sup> ProLab has a blend of service features designed to make service and maintenance easy, allowing labs to take care of simple issues quickly. To aid in service trouble shooting, the Chromira<sup>5x</sup> ProLab also incorporates advanced self-diagnostic software for quick and efficient issue resolution. And of course, ZBE's factory service and support is always fast and efficient.