FCR XL-1 and FCR XC-1
bring affordable, high-quality digital x-ray
to private practices like yours.

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FUJIFILM Medical Systems USA, Inc.

Corporate Headquarters

419 West Avenue	29012 N. Hancock Parkway	2001 Westside Parkway	1055 Stevenson Court
Stamford, CT 06902-6300	Building 7	Suite 165	Roselle, IL 60172-2300
203-324-2000	Valencia, CA 91355-1007	Alpharetta, GA 30004-7408	630-582-2202
800-431-1850	800-431-2861	770-346-0121	800-323-2546
		888-699-FUJI (3854)	

www.fujimed.com

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Now, private practices of any size can benefit from the exceptional image quality, speed and flexibility of an FCR system.

Fuji, the world's leading manufacturer of digital x-ray, has designed two hospital-quality FCR systems especially for private practices: the FCR XL-1 and FCR XC-1. Both systems give you all the advantages of digital x-ray, such as virtual elimination of repeat exams and lost films, lower storage and management costs and more options to enhance images. But to create the FCR XL-1 and FCR XC-1, we went one step further by integrating Fuji's proven technology of optimizing images for display with software that meets the specific needs of private practices. With Fuji CR, anatomical menus can be customized for a wide range of procedures. Images have excellent soft-tissue detail. And special features such as Auto Stitching software streamline more labor-intensive exams, like scoliosis. FCR XL-1 and FCR XC-1 allow you to produce the highest-quality images while optimizing your practice's workflow.

So small, yet so powerful.

FCR XL-1 and FCR XC-1 have a compact footprint of less than 2.5 square feet and are only 32" tall, so they can fit in any exam room, in remote offices, even under counters – virtually any-place where space is at a premium. And with exceptionally high throughput and image availability beginning in 10-12 seconds, FCR XL-1 is fast enough to handle busy periods in the most demanding environments. FCR XC-1 is ideal for smaller practices with big image quality demands but without the imaging volume to justify the capacity and price of competitive systems.

Unparalleled productivity.

The FCR XL-1 and FCR XC-1 are both so efficient, your staff will wonder how they ever managed before. To start off, a Fuji digital x-ray system makes the darkroom a thing of the past. But that's just the beginning. Both systems include Fuji's Flash IIP console, the first workstation to offer powerful productivity-enhancing features that allow your staff members to operate more efficiently. The Flash IIP console is a QC workstation

loaded with all the tools a technologist would ever need to reprocess or enhance an image, yet its basic operation is surprisingly simple. In fact, it allows users to process an exam in as few as three steps. And with Flex UI™, Fuji's standard operating software on the Flash IIP, users can customize their own interface so they have easy access to functions they use most frequently – which further simplifies the exam process. Add annotation markers to images with a single tap on the screen. With another tap, flip or rotate an image. Or type free-text comments. Since there's a wide range of customized anatomical menus to choose from, images are processed appropriately for an optimal first-up display. And with Fuji's Auto Stitching software, time-consuming studies are automatically composed, enhanced and presented without a distracting stitch line. The result: you don't waste valuable time trying to improve the image quality for the intended exam, maximizing the productivity of your staff.

With FCR, you get exceptional image quality – every time.

All digital x-ray systems are not created equal. And good image quality does not happen automatically. It takes a great deal of expertise to create exceptional images. Every Fuji CR system benefits from over two decades of experience in presenting images of the highest quality. And that's because FCR XL-1 and FCR XC-1 include Image Intelligence™, a suite of sophisticated technologies that ensure images are presented optimally, every time. Fuji's world-renowned image processing tools include:

• Multi-objective Frequency Processing (MFP) simultaneously applies varying degrees of contrast and spatial frequency enhancement to different-sized structures within the same image. This improves the visibility of both dense and

peripheral tissue. MFP is especially useful for clearer visualization of implants and other foreign objects that are often susceptible to artifacts that may obscure pathology.

• Dynamic Range Control (DRC) improves visibility of both dense and peripheral tissue, which is essential for seeing through the mediastinum on chest exams.

• Flexible Noise Control (FNC) extracts noise data and suppresses noise levels from images without losing sharpness and associated diagnostic information. This improves granularity in noisy anatomical regions, such as the lumbar and pelvic areas, and improves image quality in exams when lower doses are expected.

• Grid Pattern Removal (GPR) automatically detects grid patterns, then uses a two-dimensional technique to remove them. This prevents the appearance of a moiré pattern, which can occur when using a stationary grid.

But that's not all. Here's a rundown of other tools and technologies included in FCR XL-1 and FCR XC-1:

• Exposure Data Recognizer (EDR) automatically detects the most important data captured by an Imaging Plate (IP), then applies anatomically-specific processing to present the image optimally for the intended exam. By masking noise and other useless information, Fuji's digital images are more forgiving to variable exposure conditions and minimize post-processing enhancements required by the user.

• Every Fuji digital image is scanned at HQ (10 pixel/mm) spatial resolution, regardless of plate size. This means that you get exceptional image detail every time without having to use special IPs – and without impacting throughput*.

• Fuji's IPs feature a high DQE (detective quantum efficiency) and signal-to-noise ratio so that film-screen techniques can be maintained and, in some cases, reduced from current levels. And because CR features a wider dynamic range than film, it is more forgiving to over- and under-exposure, eliminating repeat exams due to exposure conditions. Additionally, with digital x-ray, you have multiple originals, so lost films become a thing of the past. All of these features allow you to keep your patient's radiographic dose levels to a minimum.

Choose the FCR system that best fits your practice.

The FCR XL-1. Perfect for higher-volume practices.

The FCR XL-1 can process up to 94 images per hour – yet its small size makes it ideal for small exam rooms or offices where space is limited. With this kind of speed, the FCR XL-1 also serves as a great redundancy solution, particularly during busy periods.

The FCR XC-1. Ideal for lower-volume or off-site locations.

With throughput speeds of up to 60 images per hour, the FCR XC-1 is the ideal choice for practices with lower case-loads that simply won't compromise on image quality. It's also great for off-site locations that need to transmit images back to another practice. So no matter where image acquisition takes place, you get consistent, high-quality images every time.

Fuji CR. There is a difference.

Why is Fuji CR chosen by more hospitals than any other brand? Maybe it's because more than two decades of industry-leading innovation, refinement and user feedback go into every system. Or maybe it's because we're committed to delivering three fundamental elements with each and every system: outstanding image quality, groundbreaking technology innovation to keep you on the cutting edge and unmatched productivity. Whatever the reason, one thing's for sure: with FCR, there is a difference.

During FCR XL-1's fast scan mode, images are scanned at 5 pixel/mm resolution.

Image Intelligence™