

HEALTHCARE

> *Imaging*

> **ADC® Solo™**



○ *Point of* > *Knowledge™*

**Plug and Play Computed Radiology**

> **ADC Solo Personal Computed Radiography System**

# Accessi

## > Computed Radiography The Perfect Addition to the ADC



### **Computed Radiography Within Your Reach**

The days when radiography was confined to the radiology department are gone. Today, hospital networks are integrating radiological activities among orthopedic and surgical departments, outpatient clinics, satellite operations and others.

That's why Agfa has developed a new diagnostic center that makes fully-digital Computed Radiography easy, accessible and affordable.

### **Exceptional Image Quality**

The ADC Solo has been specifically designed for departments, individuals, or locations that demand high quality, but do not require high volume. Agfa's MUSICA® image processing software enhances contrast and compresses the dynamic range for optimal display on film or screen. With a single mouse click, the image is viewable on a workstation or on film with optimal settings and no operator intervention.

# ble



## **Plug and Play Installation**

The ADC Solo is easy to use—simply plug it in and start working. The small footprint means you can place the unit just about anywhere. Should a problem occur, an Agfa technician can assess the unit remotely via Agfa's secure remote access system.

## **Cost-effective Solution**

The ADC Solo offers one of the most cost-effective Computed Radiology solutions available. Hospitals can equip each location involved with radiological activities with its own unit, saving time and reducing the workload on your principal diagnostic center. The ADC Solo makes economic sense even for radiologists in private practice.

## **Designed for Growth**

All components of the ADC Solo system are modular; so is IMPAX®, Agfa's digital image management and communication network. That means the ADC Solo can be connected to the IMPAX network for image ID, processing, distribution, review, printing and archiving. Agfa's "growth path" concept assures that your investments remain productive, year after year, no matter how your facility changes.

## **The Affordable Addition to an Installed Base**

The ADC Compact™—Agfa's 70 plate-per-hour system—can easily serve two, three, or four x-ray rooms. But even with that high throughput, there are times when an extra heavy workload or emergency cases might force people to wait. The ADC Solo lets you deal with overflow and emergencies without disrupting the normal work of your diagnostic center. As a result, the ADC Solo helps you maintain a smooth and balanced radiology workflow.

## **From Your Desktop to the Network**

Because ADC Solo images are digital, they are ready for digital image management, communication and archiving with Agfa's IMPAX networking system. IMPAX links both conventional and digital modalities with Agfa's modular acquisition and image retrieval systems for rapid access and distribution of diagnostic information over the network. The physical location of the radiology department is no longer a limiting factor in the transfer of images.

## **Compatible Cassettes**

Computed Radiography systems use cassettes that work with the installed base of x-ray tables. These cassettes work perfectly with both the ADC Solo and the ADC Compact, ensuring system-wide compatibility.

## > **ADC Solo: Excellent Image Quality, Time After Time**



### **Spend Your Time Working, not Walking**

With the ADC Solo, radiology images are digitized right where they're taken, so they're ready immediately for Agfa's IMPAX networking system. By eliminating the need for individual trips transporting cassettes to the radiology department, staff productivity is greatly enhanced.

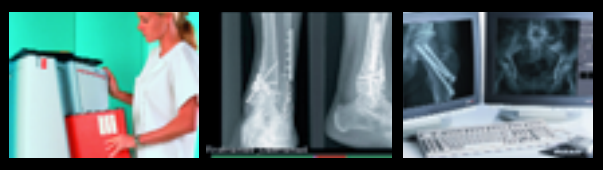
### **Evaluate Images Where You Digitize Them**

The standard single platform system comes complete with software for ID, preview and processing. When digitized with an ADC Solo, images can be evaluated on the spot.

### **User-Friendly Identification**

ADC ID™ software records patient demographic and examination data onto the memory chip embedded in the cassette. Simply insert the cassette into the transmission slot of the ID tablet, and non-contact radio frequency transfers the data automatically. During cassette readout, the ADC Solo links the demographic data with the image and uses the exam data to set the appropriate image processing parameters. The user interface is easily configured to the user's individual needs.

ADC ID software integrates seamlessly into your facility's RIS/HIS using the ADC RISlink Toolkit™ software. RISlink permits rapid and error-free communication of patient data from the RIS.





## Display and Access the Real Image

ADC Preview™ software displays the actual image immediately after it has been scanned and processed. This lets the operator check patient positioning, collimation border detection, and overall processing quality before a hardcopy is printed or a softcopy is transmitted. Patient turnaround is faster and smoother.

ADC Preview software is versatile and user-friendly. It can be configured to show one image full-screen, a four or six-image screen division, or a small bar of ten icon-size images plus one large image. With a single mouse click, you have immediate access to patient and dose information, as well as full post-processing functionality.

## High Quality Diagnostic Images, Totally Hands-Free

After scanned images have been digitized, the ADC Autoprocessing™ software captures the incoming raw images and delivers high-quality diagnostic images. In seconds, the software performs a multitude of tasks to provide fully-processed CR images that are ready to display.

### Autoprocessing Software Key Features

- **MUSICA:** runs the Agfa-patented advanced image processing software that provides contrast and edge enhancement, latitude and noise reduction

- **RIOfinder™:** runs the Agfa-patented collimation border detection software that provides highly successful recognition of collimation borders and image partitions
- **Automatic Window/Level Setting:** computes the correct window and level setting from the raw histogram to provide optimal information content for the image display
- **Sensitometry Mapping:** applies selected sensitometric look-up tables to provide the best visual match to the display medium (monitor or hardcopy)

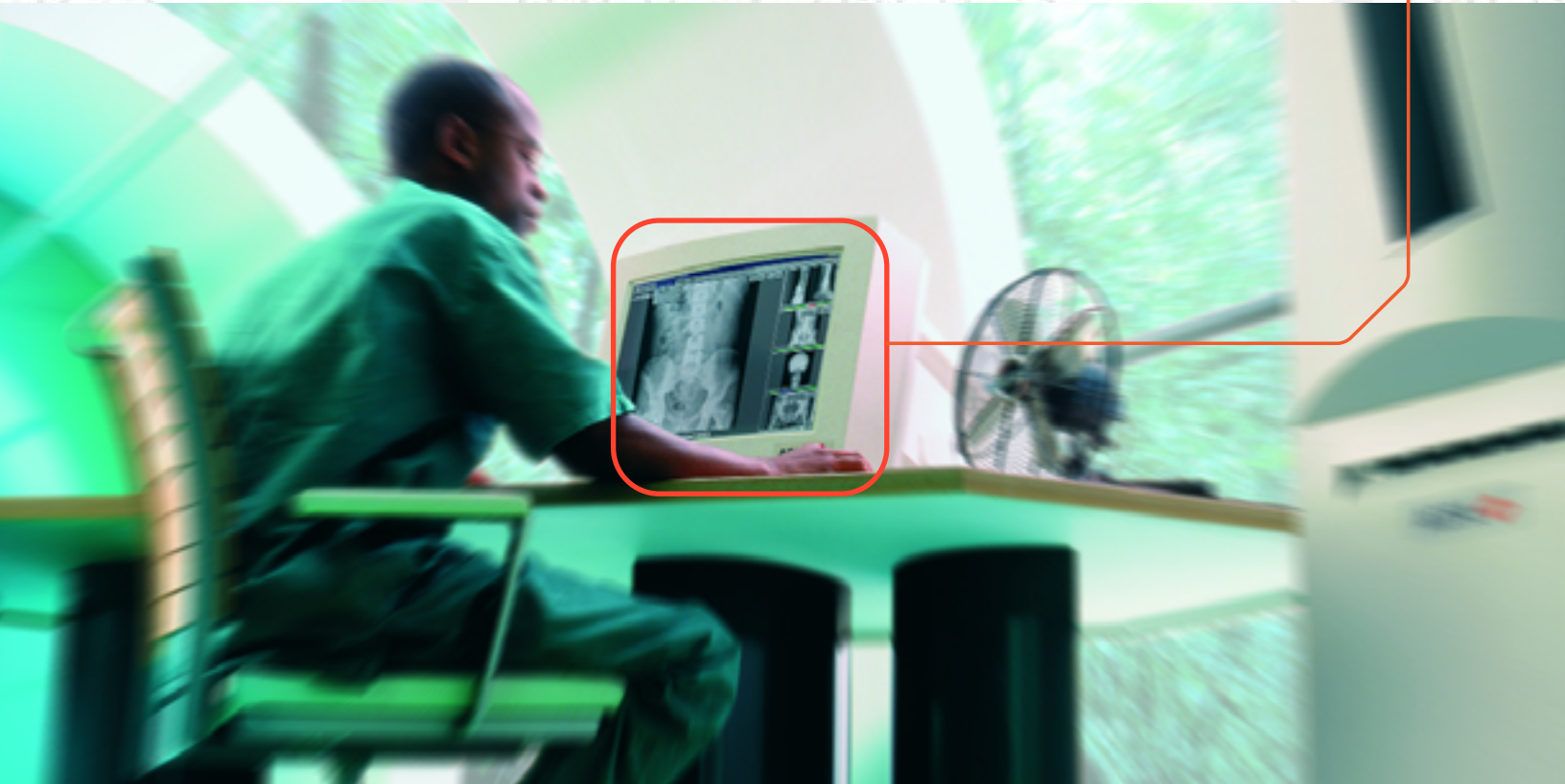
ADC Autoprocessing software is driven by the exam selected during the cassette identification. For a given exam (e.g., “hand-AP”), the software uses the specific parameter settings defined for this exam during the installation of the ADC Solo system. This ensures consistent, highly successful image processing.

### Reduce Re-takes

ADC Interactive Processing™ software provides user-friendly access to all processing parameters in the ADC Solo system. It provides fast, simple quality assurance and post-processing of images, reducing the number of re-takes to the absolute minimum. Post-processing results can be immediately viewed on the monitor. The intelligent graphical user interface (GUI) makes working with the software very easy.

# Quality

> **Plug and Play, "Personal PACS"**  
A Digital Breakthrough in Medical Imaging



Accuracy without compromise, simplicity without sacrifice—these attributes allow medical facilities to adapt to changing patient needs and respond with the best care and workflow possible.



### **Personal PACS**

Combine an ADC Solo, a standard PC running ADC Solo software, and an archiving system, and you have “Personal PACS”—cost-effective Computed Radiography that produces high quality diagnostic images right on your desktop. Personal PACS is an ideal solution for private practice radiologists, radiology operations with lower volume, remote operations, and supplementary imaging capabilities. In each case, the ADC Solo provides exactly the same image quality offered by the ADC Compact.

### **Easy to Install, Easy to Use**

The ADC Solo is designed for fast installation to provide you with the many advantages of digital imaging right away. The unit’s small footprint lets you handle and place it in even the smallest location or practice. An Agfa technician can assess any ADC Solo system problems remotely and provide instant assistance when it is connected to the Agfa secure remote access system.

### **Harness the Power of IMPAX**

The digital data produced by the ADC Solo can be shared using IMPAX, Agfa’s digital image management and communication network. Linking the ADC Solo with IMPAX enables short-term, expert diagnoses from virtually any radiologist in the world. Why is this so important? Because it makes high quality diagnostic Computed Radiography feasible for private radiologists, small or remote hospitals, even field hospitals.

Imagine a U.S. Navy aircraft carrier somewhere in the middle of the ocean. An accident has happened. X-ray pictures are taken and digitized aboard the ship using an ADC Solo. The x-rays are rapidly and automatically processed into high quality digital diagnostic images. As there is no radiologist aboard, the images are transferred wireless to a land-based hospital which can be diagnosed by a staff radiologist. Within moments, the shipboard patient could receive treatment based on a remote diagnosis.

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