AUTHORIZED DEALER FOR:

- Shimadzu
  Excellence in Science
- Canon
  See Impossible
- Clarius
  Ultrasound anywhere
- Del Medical
  A UMG Company
- Fujifilm
ABOUT US

Cal-Ray, Inc. provides products and services to all major medical facilities throughout the regional area. Cal-Ray also supports independent medical specialty facilities, provides backup services and on-call services to regional biomedical groups.

All service professionals are cross trained to provide service on various modalities and annual specialty training is mandatory. Cal-Ray has technical staff who are Network engineers and several service engineers that are Shimadzu, Konica, Canon and UMG/Del Medical certified.

COMPANY HISTORY

Cal-Ray Inc., a Wisconsin Independent Service Organization (ISO), was established in 1998 by John Snyder as a sole proprietorship for servicing diagnostic imaging equipment. Today, the incorporated Cal-Ray business services Wisconsin, Upper Michigan, and areas of Minnesota and Illinois.

OUR VISION

To ignite enthusiasm in our employees to deliver quality, professional sales and service to our customers.

OUR MISSION

All employees of Cal-Ray, Inc. are driven to the creation and on-going development of relationships. Relationships with customers, vendors, OEM Distributors, and co-workers, are built upon our core values of honesty, dedication, reliability, quality, fairness, integrity, growth and opportunity.
QUALITY POLICY

Cal-Ray Inc. is committed to delivering quality products and services to meet or exceed our customers’ expectations. Our empowered team members will accomplish this through continued assessment and improvement to all of our processes.
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SHIMADZU INTERVENTIONAL LAB

ADVANCED APPLICATIONS

SCORE Imaging
- SCORE PRO
- SCORE StentView
- SCORE RSM
- SCORE CT
- SCORE 3D
- SCORE Navigation

SMART Design
- SMART Access
- SMART Assist

SMILE Concept
- SMILE Dose-eye
- SMILE Recovery
The concept of Trinias series unity edition

**unity: unlimited intelligent technology**

Personalize your experience for ultimate flexibility
Limitless Potential for Efficient Workflow
Intelligent design for intelligent care
**Intelligent design delivers reliable workspace**

Trinias has designed in smart form with pleasant colors such as light-green and white. This intelligent design inspires both patients and clinical users with confidence and relax.

**Customize for your efficient workflow**

Expanding the coverage of clinical solution, large FOV 12"x16" FPD and multi-functionality Cath table which supports flexible table positioning by tilting function become available. The bed side operations such as selecting acquisition modes, switching reference images and display layouts are integrated into the intuitive and customizable touch panel console, SMART Touch, which maximizes the efficiency of workflow.

**Real-time artifact optimization technique, “Flex-APS”**

This technique is an automatic offset function for optimizing miss-registrations of DSA. Flex-APS automatically detects and optimizes the sectional pixel movement gap between MASK image and each frame image regardless of ROI’s movement direction such as twisting.

**Real-time whole peripheral observation, “SCORE Chase”**

Long-view whole peripheral image is automatically stitched and displayed right after acquiring Shimadzu original MASK less DSA named “SCORE RSM”. Under combination with SMART Table, it is much easier to approach to region of interest.

**Real-time Stent Enhancement without influence of heart beat, “SCORE StentView”**

SCORE StentView allows you to enhance stents and fix their position in dynamic images in real time. The function for specifying the region of interest (ROI) allows multiple markers to be used for automatic detection, which contributes to higher detection efficiency and shorter examination times.
Flexible Examinations with Freedom in Choosing Body Positions

This allows images to be obtained with loads applied in the standing position, or in the supine position on a table. Consequently, it can be used to obtain images of the elbow or knee in the bent position, which is difficult using CT.
SHIMADZU RADIOGRAPHIC ROOMS

High-Performance General Radiographic System Providing New Clinical Value
RADspeed Pro
EDGE package

Improved workflow with “Anytime, Anywhere” System Operation
RADspeed Pro V4 package

Sophisticated automatic system supporting your quick positioning and workflow
RADspeed
SHIMADZU SONIALVISION G4

BEST in CLASS
Multi-functional Universal R/F System

BEST Performance - Versatile Design for Various Examinations

The system has been thoughtfully designed to consider all users in a diversity of situations, making it ideal for a wide variety of examinations, such as Orthopedics, General Radiography Studies, Barium Studies, Endoscopy, Urology and Angiography etc. Long imaging chain’s movement capability and 17 × 17 inches wide field FPD will provide you more than 2.0m long patient coverage without moving a patient, which enables you to perform all kinds of examinations in very safe conditions.

With the SONIALVISION G4, Shimadzu offers the BEST in CLASS Multi-functional Universal RF System - one that is useful in a variety of examinations and examination environments, provides high image quality minimizing X-ray dose levels, and is easy to operate.
1. Great Forward Visibility During travel the collapsible column and compact X-ray tube design does not obstruct visibility.
2. Intuitive Maneuverability The system provides natural, responsive light touch driving capabilities.
3. Large & Flat design Display The built-in 19 inch large LCD monitor enhances visibility and touch panel operability, and it can be cleaned up easily thanks to fully embedded design.
4. Easy Positioning (All free function) “All Free” buttons enable one-step positioning by releasing electromagnetic locks of arm and column at the same time.
5. Wide Exposure Coverage The system is useful for imaging in confined and limited spaces of numerous equipment with broad exposure range.
6. Inch-Mover The main unit can be moved forward or backward by simply operating form the collimator without technologist’s moving around the patient bed.
7. Status Indicator The color-coded indicator lamps illuminate or blink in response to X-ray exposures or system abnormalities.
8. High Frequency Inverter Using a high-frequency inverter, with a maximum frequency of 60kHz, the system can obtain high and efficient X-ray generation with low-ripple.
9. Bright irradiation field LEDs have been adopted as the light source to indicate the irradiation field, helping imaging in a bright room or in the daytime.
10. Vibration resistant DR unit SSD is mounted to offer quick access to clinical sites. The mobile cart can be driven even in PC start up time.
Designed to provide an effective mobile digital radiography solution for hospitals, clinics, and universities, the RadPRO Mobile 40kW Flex Digital X-ray System enables improved visibility, as compared to the current 40kW System. Compatible with the Canon CXDI-710C, 810C, and 410C wireless digital flat panel detectors, its fast processing times make it easy to capture high-quality diagnostic images for routine diagnosis or challenging trauma, with flexibility in patient positioning and the ability to manage or manipulate images at bedside.

Additionally, with a blend of mobility and power-saving advantages, the RadPRO Mobile 40kW Flex Digital X-ray System’s new counter-balanced telescopic column provides user-friendly positioning without draining battery power. The new lead crystal batteries have a long battery life, therefore eliminating the need to recharge frequently. The dual battery configuration also allows for distributed power to the drive motors as well as to the generator.
CANON DIGITAL RADPRO
FLEX PLUS 40KW PORTABLE
WITH CANON 710C WIRELESS DR

Canon RadPro Portable Flex (Plus)

The 40KW Radpro portable (MFG by Sedecal) has the following features:

- Independent Drive and Generator batteries
- 40KW, 40 to 150 kVp
- 300 KHz Tube
- 500+ Anatomical settings
- Generator integrated technique setting for selected exams
- Touch screen controls
- Touch pad for portable lock (now standard)
- Movement control of portable at Tube head (helps with positioning)
- On board storage for DR panel, Grid and accessories
- Canon NE software

+ 710C wireless panel

The 710C Canon Wireless system has the following features:

- Radiation sensing panel
- Large imaging area 35X43cm
- Standard 14X17 cassette size
- Highly sensitive Csi Scintillator (up to 800 equivalent film speed)
- Lightweight 7.5 lbs.
- Newest Software “NE” running on Windows 7
- Approximately 90 images with full charged battery
- Detachable handgrip and grid (optional)
- IPX7 rated
- 5.0 lbs with battery
Canon’s wireless portable Flat Panel Detector offers you a high level of flexibility in your Digital Radiography room.

The detector has the same dimensions as the standard cassette and fits in existing bucky systems. The CXDI-710C Wireless system ensures best performance in workflow, image quality and versatility.

The CXDI-710C Wireless system shows following properties to ensure best performance in workflow and image quality:

- Radiation sensing panel – Generator interface is not required
- Large imaging area of 35cmx43cm
- High resolution with 125 micron pixel pitch
- High sensitivity with Csi Scintillator
- Lightweight around 3.5 kg (7.5 lbs.)
- NE software has stitching feature included for FLFS (Scoli study) Imaging
- Approximately 90 images with a fully charged battery
- Battery powered

Canon DR: Wireless DR Upgrade

- Single Canon 710C wireless solution
- Includes Batteries, 2ea, fixed grids in table and wall stand, mobile snap on grid for specialty exposures
- Wireless DR eliminates the need to supplement DR room with CR for specialty exposures (standing feet, wheelchair, gurney, cross lateral hips, etc.)
- Optional - 410C Compact 17X17 fixed detector for the wall stand
- Optional - 810C Wireless Solution 8.10.13.14.15 12.1x15.1x0.6 Dimensions
Easily make the move to digital radiography. The Solution consists of a tablet* and choice of a wireless CXDI Digital Radiography (DR) System, which includes CXDI Control Software NE. The CXDI Control Software NE’s auto-detection mode allows the CXDI detector to automatically detect X-rays at exposure without the use of a typical X-ray generator interface. The tablet’s unique Wi-Fi® capability allows end-users to communicate wirelessly with both the CXDI detector and the DICOM® network. Images can be acquired from the CXDI detector while previous images are simultaneously sent to PACS.
This high-quality, manual positioning system, with servo-tracking, is designed to meet challenges encountered by hospital imaging departments, from routine examinations to more demanding diagnostic imaging procedures. It is constructed of rugged-crafted aircraft aluminum to help provide the high throughput needed in high-volume hospital imaging departments.
CANON RADPRO OMNERA 400A

KEY FEATURES

- Ceiling Tube Suspension
- Motorized Movements, Auto-Positioning
- Tube-Mounted, 10" Touch Screen
- Elevating 6-Way Table
- Patient Load: 550 lb.
- Single User Interface
- High-Frequency Generator
Great image quality is just the beginning

Clarius is unlike any other handheld ultrasound device. It produces high-resolution images and transmits them wirelessly to most iOS or Android smart devices. With many automated imaging controls, including optimal gain and frequency settings, Clarius is almost as easy to use as the camera on your smart phone.

There’s an app for that

Designed for speed and optimized for excellent imaging, the Clarius App lets you start scanning almost instantly. Clarius operates with most iOS or Android smart devices. Simply download the free Clarius App and you can start scanning with the touch of a button.

Convex and virtual phased array imaging on one device

The Clarius C3 Scanner is designed for scanning all parts of the patient’s torso, including the heart. The convex array provides outstanding resolution for abdominal and lung images. Select the cardiac option to activate the virtual phased array mode to enable cardiac imaging at high frame rates through the ribs.

3-in-1 Scanner

With optional Clarius Clip-ons and virtual phased array and linear software, you can carry one multi-purpose scanner in your pocket. Use a Clarius C3-L Clip-on for superficial structures and C3-P Clip-on for quick looks at the heart. It’s ideal for first responders and physicians who need to move quickly from patient to patient.

No wires

Clarius uses Wi-Fi Direct to connect to its app on the device (or devices) you choose for imaging. Once you download the Clarius App, Clarius does not require Internet access to operate.

Wireless freedom for procedures

The Clarius L7 Linear Array Ultrasound Scanner is ideal for guiding procedures. Easy to sterilize and keep clean. See fine detail from 1 to 7 cm.

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency</th>
<th>Max Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>C3</td>
<td>2 - 6 MHz</td>
<td>32 cm</td>
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<tr>
<td>L7</td>
<td>4 - 13 MHz</td>
<td>7 cm</td>
</tr>
<tr>
<td>C7</td>
<td>3 - 10 MHz</td>
<td>20 cm</td>
</tr>
</tbody>
</table>

Clarius Cloud

Clarius Cloud is a secure, web-based portal that allows you to save, review, manage and share images acquired with your Clarius Scanner.
Clarius is unlike any other handheld ultrasound device. It produces high-resolution ultrasound images and transmits them wirelessly to most iOS or Android smart devices. With automated gain and frequency settings, Clarius is almost as easy to use as the camera on your smart phone. Clarius differentiates itself from its competitors by offering superior image quality and the ability to image wirelessly on a variety of devices, from iPhones and iPads to Android tablets. Clarius Scanners are also powered by a removable and rechargeable battery, which enables its users to switch batteries instead of waiting for scanners to recharge. The scanners feature a rugged magnesium case and are fully submersible for cleaning. They can also be encased in a sterile bag to prevent infection during procedures.
DEL OVERHEAD TUBE CRANE AND FLOOR MOUNTED TUBE STAND

Features:

Del Medical Heavy Duty, Overhead Radiographic System

- CM- DR series 80KW Generator –CPI Generator - industry’s most stable and reliable (can fully integrate with Canon DR and DelWorks (single console))
- OTC-18 – Siemens overhead tube crane (best overhead tube crane)
- 400 KHu X-Ray tube
- EV-800 – 800 lbs weight limit, Elevating table / Four Way Float Tabletop with bucky, grid, tray, & 3 field ion chamber
- VS-300 – Wall stand with bucky, grid, tray, & 3 field ion chamber for AEC
- Manual Collimator

Features:

- CM-50 Anatomically Programmed High Frequency Generator, (CPI)
- Del Medical EV650 (650 lbs. limit) Elevating Table / Four Way Float Top with bucky & 3 field ion chamber for AEC
- Digital Floor Mounted Tube Stand with Digital Display
- Varian 3” Anode X-Ray Tube, 300 KHu
- Progeny MC-150 Certified Manual Collimator
- VS200 - 83” Slim Design Counter Balanced Wall Holder with bucky & 3 field ion chamber for AEC
REAL-TIME MOBILE IMAGING.

The Vision R is a surgical, feature-rich mobile system designed to perform a wide range of fluoroscopic applications. Its refined movement capabilities, high resolution, and dose efficiency make it a smart solution for procedures in surgery, orthopedics, urology, cardiology, and pain management. The Vision R’s use of a rotating anode and high-powered monoblock pulsing generator ensures clean, sharp images regardless of patient size. With variable pulse widths, the Vision R can handle all general surgery applications ranging from catheter placement to cardiac operations. Easily capture objects at up to 30 frames per second to achieve the highest quality images without missing a moment. In addition, the Vision R offers 9” or optional 12” image intensifiers to better accommodate digital subtraction angiography (DSA) procedures.
FUJI CRISTALLE DR MAMMOGRAPHY

Now available with digital breast 2 and 3D tomosynthesis

Fujifilm is dedicated to promoting the early detection of breast cancer through advances in digital mammography as well as supplementary screening or diagnostic testing, including breast ultrasound. Fujifilm continues to conduct research and collaborate with specialists in the field to develop revolutionary and reliable imaging technologies. Over 9,000 worldwide facilities trust Fujifilm’s full field digital mammography solutions, making Fujifilm the most popular digital mammography system provider in the world.
THE SMART DR SOLUTION

FDR D-EVO flat panel detectors easily convert your existing X-Ray equipment to DR, allowing you to continue performing everything from routine upright and table exams to cross table and just about any free-positioning exam with ease. Lightweight and slim, Fujifilm’s DR detectors easily fit standard cassette holders and bucky devices with no modifications, quickly making a room DR-capable with incredible versatility and the capacity to produce exceptional images.
RADIOLOGY IMAGE VIEWING WORKSTATION FURNITURE - VARIETY OF SOLUTIONS
CAL-RAY IS MAJOR DISTRIBUTOR FOR A VARIETY OF MEDICAL DISPLAYS.

PACS Diagnostic display systems 2MP to 5MP – color and grey scale

Clinical review displays 1MP to 2MP – Color displays for clinical review and for Modality workstations (such as CR and DR image processing workstations)

Surgical displays
Variety of widescreen options with “near surgical field” use approval.

Upgrade old CRT displays in Fluoroscopy with new Flat panel displays.
SHIMADZU RAD SPEED WITH SPEED STITCHING

NEW INSTALLS FROM CAL-RAY
SHIMADZU RAD SPEED

NEW INSTALLS FROM CAL-RAY
DEL MEDICAL OTC 12

NEW INSTALLS FROM CAL-RAY
DELMEDICAL FLOOR MOUNT TUBE SYSTEM

NEW INSTALLS FROM CAL-RAY
SHIMADZU RAD SPEED

NEW INSTALLS FROM CAL-RAY
CAL-RAY SERVICE SOLUTIONS

Cal-Ray offers a wide variety of customer service solutions. These coverage options can be mixed and matched to meet the customer’s unique service and budgetary needs.

POINT OF SALE CONTRACTS

- Offered with equipment quote (Refurb. and New)
- Multi-year offering
- Annual payments starting with end of warranty

POST WARRANTY CONTRACTS

- Multi-year offering

MULTI-VENDOR / MULTI-MODALITY

- Offering of a supplemental service coverage on variety of imaging equipment with various coverage options
- We would only quote equipment with options that we can perform well with our own labor

ASSET MANAGEMENT

- More of a comprehensive equipment coverage on all patient care equipment or all imaging systems.

DROP PROTECTION PROGRAMS

- Cal-Ray offers several drop protection programs designed to provide cost savings and peace-of-mind against dropped and damaged DR panels.
Cal-Ray - Parts

**Manufacturers**
- GE
- Philips
- Siemens
- OEC
- Quantum
- Del Medical
- Bennett
- Summit
- Konica
- AGFA
- Canon
- Varian
- Dunlee

**Specialties**
- X-ray
- RF
- Cardio/Angio
- C-ARM
- DR
- CR
- Film Printer
- Processor
- Ultrasound Tubes* (many with on-site installation)

Cal-Ray has a knowledgeable staff with extensive parts experience to provide new or pre-owned part solutions. Competitive pricing provides a piece of mind that the customer is receiving a quality part at a fraction of the OEM price.
VINYL COATED CLOSED CELL FOAM

Table pads are fabricated from a special grade Ensolite closed cell foam, and then coated with a high-tech liquid vinyl. Our fabrication techniques ensure a 100% bond of vinyl to foam. Thus the vinyl coating becomes an integral part of the foam, an effective and efficient pad completely encapsulated in its own coated surface.

NON-ABSORBENT / FLUID PROOF

Due to C Cushions’ closed cell foam construction, our table pads will never absorb liquids, even if the coating should be damaged.

PATIENT COMFORT

The unicellular configuration of the Ensolite closed cell foam used in C Cushions' table pads is relatively firm, in that a minimal thickness can offer a firm but resilient comfort. Our standard table pad thicknesses are ½” and 1”.

CHEMICAL RESISTANT / EASY TO CLEAN

The high-tech vinyl coating is easily scrubbed, washed and sanitized with standard medical cleaning procedures and solutions. The coating has a strong chemical resistance to most chemicals found in hospitals and health care facilities. Alcohol and chlorine bleach can be used effectively.

VERY LOW ATENUATION / ARTIFACT FREE

Table pads are fabricated of the highest quality materials available. We would be happy to provide a sample for your own attenuation test.

CUSTOM SHAPES & SIZES

Most any shape or size is attained by the experienced craftsmen of C Cushions. All edges, corners and surfaces are carefully detailed for long life and good appearance. Give C Cushions your problem and a better way of replacing old pads or creating new ones for any application will be found.

COLORS

A wide variety of popular colors used by many of the major manufacturers of medical equipment: White, Oyster, Gray, Off White, Lt. Blue, Teal, Royal Blue and Black.
YOUR TOTAL IMAGING SOLUTION

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Please Visit Our Website At:
www.calrayinc.com