General Catalogue
All descriptions in this brochure confirm to the Pharmaceutical Affairs Law in Japan as well as other laws and regulations in Japan. Model names, specifications and configurations of products in overseas market outside Japan may be different by the countries. For inquiries, please contact us.

This Brochure is made based on as of our WEB 2012/05/31.
Digital R/F System with FPD

CUREVISTA

OFF-set open type multi-purpose R/F system

- The system adopts table-shift mechanism (off set) for securing clearance in the upper end of the tabletop.
- The off set arm which has X-ray tube support attached off set realizes a wide working space beside examiner.
- X-ray tube support arm and imaging system can be moved toward 2 directions: longitudinal and lateral. In addition, a wide stroke of longitudinal movement is realized.
- New generation image processing system “FAiCE-V” provides the optimum easy-to-see images always in real time.

EXAVISTA

Multi-purpose R/F system

It employs a table with improved accessibility that can be lowered when the patient gets on and off, and enables an examination at a height that matches each operator. Thanks to the wide stroke of the imaging system, longitudinal movement of the table is unnecessary. It is an FPD system that shows off its true value on a wide variety of clinical fronts. In addition to the conventional EXAVISTA (4030/3030), this version has a large field-of-view FPD (17-inch) to extend the advantages of the FPD, and can accommodate to a wider range of clinical applications.

VersiFlex VISTA

Multi-purpose R/F table system

The system provides exact images in diverse clinical scenes together with the equipped large field-of-view FPD (4030), in combination with the C-arm excellent in functionality and the VISTA Desk adopting the latest Hitachi technologies. In addition, the wide working space around the examination table and the fully satisfying functions support multi-purpose examinations. This is a multipurpose examination system in pursuit of a new operability to address a wide spectrum of needs.
Radiography and Fluoroscopy System

**POPULUS Ti**
Flexible mobility that can accommodate various types examinations and the wide stroke mechanism of the imaging unit and table enables wide-range fluoroscopy and radiography. Furthermore, HITACHI’s advanced image processing technology that supports accurate diagnosis is incorporated as standard. It can also accommodate wide-ranging requirements such as the construction of fully-digitized environment used for uniform management of image data and data of large capacity.

**POPULUS So**
A compact system with simple operability that can accommodate a wide range of radiography is equipped with advanced image processing technologies for accurate diagnosis. A fully digitized environment can also be constructed for uniform management of large capacity of image data.

**FAiCE**
Full Automatic Image Control Engine
FAiCE, an image processing technology presented proudly by HITACHI corrects image in real time to make them suitable for diagnosis.
Digital General Radiography System with FPD

**Radnext α typeVH**

Digital General radiography system with FPD

General radiography systems require an extremely wide dynamic range in order to correspond to various body areas to be imaged. Hitachi has adopted FPD of high DQE (Detective Quantum Efficiency) developed for general radiography to provide high image quality with advanced image optimization technique as well as to renew the workflow.

![Radnext α typeVH](image)

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**Radnext50 with DXR-3000F**

This is a general radiography FPD system that combines general radiography system, Radnext 50 and DXR-3000F, image processor for FPD. Radnext 50 is combined with the one-hand controller created from a completely new concept, which enables one-hand operations, and is available in combination with a newly-developed ceiling travelling unit exceeding the conventional concept. DXR-3000F realizes an all-in-one console, which greatly improves workflow, and high image quality. This is a general radiography system that provides higher image quality, operability and workflow.

![Radnext50 with DXR-3000F](image)
Radnext 80

Radnext80 is a general radiography system combined with an 80kW high-performance inverter type X-ray high-voltage generator.
In order to accommodate a variety of needs in general radiography, a versatile product lineup from a high-performance ceiling-travelling type X-ray tube support to a simple and easy-to-use floor-mounted tube support is made available.

Radnext 50

Radnext50 combined with a 50kW X-ray high-voltage generator is available in a versatile lineup such as the Smart Set combined with a ceiling-travelling type tube support equipped with a one-hand controller allowing one-hand operation, the Compact Set combined with a simple ceiling-travelling type tube support, and the Universal Set allowing multi-purpose use with only a single system. It allows for a choice in accordance with the purpose of use and the environment.

Radnext 32

• A general radiography system combining a high performance 32kW inverter type high voltage generator.
• A variety of combination lineup is available to cope with diversified needs in general radiography.
• A fully digital display allows registration of 36 types of combined radiographic parameters frequently used. Registered program can be read out with one touch.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Radnext 80</th>
<th>Radnext 50</th>
<th>Radnext 32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal max. power</td>
<td>80kW</td>
<td>50kW</td>
<td>32kW</td>
</tr>
<tr>
<td>Short-time rating</td>
<td>80kV • 1000mA / 100kV • 800mA / 150kV • 500mA</td>
<td>80kV • 630mA / 100kV • 500mA / 150kV • 320mA</td>
<td>63kV • 500mA / 80kV • 400mA / 100kV • 320mA / 150kV • 200mA</td>
</tr>
<tr>
<td>Technique selection</td>
<td>Max. 8 types</td>
<td>Maximum 6 types</td>
<td></td>
</tr>
<tr>
<td>Tube voltage / Tube current</td>
<td>40 ~ 150kV (1kV step) / 10 ~ 1000mA (21 or 41 steps)</td>
<td>40 ~ 150kV (1kV step) / 10 ~ 800mA (20 or 39 steps)</td>
<td>40 ~ 150kV (1kV step)</td>
</tr>
<tr>
<td>Timer</td>
<td>1ms ~ 8s (79 steps)</td>
<td></td>
<td>2.5ms ~ 5s (67 steps)</td>
</tr>
<tr>
<td>Anatomical program</td>
<td>120 types for each technique (Max. 960 types)</td>
<td></td>
<td>36 types (108 types in total)</td>
</tr>
<tr>
<td>Sequence program</td>
<td>Max. 120 types × max. 12 stages</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>Number of connectable X-ray tubes</td>
<td>up to two tubes (option)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The LCD display is optional.

The picture shows an example of the Standard Set.
Various combinations of features such as easy use, safety, cost versus performance, etc. are available to choose from. Combinations of different units will help realizing a better examination environment.

**Standard set**

**Popular set**

The above system is an example of system for Radnext 80•Radnext50 configuration partially including options and combinable equipment.

**Compact set**

**Electromagnet off-lock switch (Option)**

By incorporating electromagnet off-lock mechanism, accurate and rapid operation can be made by switch operation.
General Catalogue

General Radiography System

**Vertical bucky stand**

**AS-MK1**
- With Bucky device
- Bucky device vertical stroke: 112cm
- Cassette size: up to 14”x17”

**VB-57**
- With Bucky device
- Bucky device vertical stroke: 73.9cm ~ 194.3cm (from the floor level to the upper surface of the jaw rest)
- Cassette size: Up to 14”x17”

**YVB-30M**
- With Bucky device
- Bucky device vertical stroke: 110cm
- Cassette size: up to 14”x17”

**Universal set**

A single unit can accommodate an upright position and recumbent position. Easy positioning with an electromagnetic lock function
Bucky table

**AS-MD1**
- Transparent acrylic table top.
- Tabletop slide: 100cm longitudinal, 15cm lateral.
- Table top up-down movement: 35cm ~ 90cm from the floor level
- Bucky device travel stroke: 20cm
- Cassette size: up to 14”x17”

**AS-MD3**
- Transparent acrylic table top.
- Tabletop slide: 100cm longitudinal, 15cm lateral.
- Table top up-down movement: 45cm ~ 90cm from the floor level
- Bucky device travel stroke: 20cm
- Cassette size: up to 14”x17”
- Table-Weight capacity: 230kg

**AS-MB1**
- Transparent acrylic table top.
- Tabletop slide: 86cm longitudinal, 15cm lateral.
- Bucky device travel stroke: 36cm
- Cassette size: up to 14”x17”

**AS-MA1**
- Transparent acrylic table top.
- Bucky device travel stroke: 125cm
- Cassette size: up to 14”x17”

**SUD-100A**
- Transparent acrylic table top.
- Tabletop slide: 98cm longitudinal, 28cm transversal
- Tabletop up-down movement: 37cm ~ 90cm from the floor level
- Bucky device travel stroke: 14cm
- Cassette size: Up to 14”x17”

(OBAYASHI MFG. CO.,LTD.)

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Compact General Radiography System

**CLINIX II**

Compact General Radiography System
- A general radiography system combining a tube support and an X-ray examination table into a single unit by compact design.
- It incorporates high performance 20kW inverter type generator for outputting max. tube voltage of 150kV.

*Vertical bucky stand is optional.*

Hitachi Medical Corporation
General Catalogue

General Radiography System

X-Ray tube support

<table>
<thead>
<tr>
<th>Specifications</th>
<th>SX-YA2</th>
<th>SX-YB2</th>
<th>SX-A8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical stroke</td>
<td>1500mm</td>
<td>1100mm</td>
<td>1500mm</td>
</tr>
<tr>
<td>Longitudinal move stroke</td>
<td>2020mm</td>
<td>2020mm</td>
<td>2860mm</td>
</tr>
<tr>
<td>Lateral move stroke</td>
<td>1100mm</td>
<td>1100mm</td>
<td>1250mm</td>
</tr>
<tr>
<td>Rotation of X-ray tube assembly / Swiveling of support arm</td>
<td>±180°  / Screw type lock</td>
<td>±180°  / Click stop at every 90°</td>
<td></td>
</tr>
<tr>
<td>Rotation of X-ray tube assembly / Swiveling of support pillar</td>
<td>±180°  / Screw type lock</td>
<td>±180°  / Click at every 45°</td>
<td></td>
</tr>
<tr>
<td>Lock system</td>
<td>Electromagnetic lock</td>
<td>Electromagnetic lock</td>
<td>Electromagnetic lock</td>
</tr>
</tbody>
</table>

FS-20A
(Floor mounted)

FS-20B
(Wall-floor mounted rail)

FS-20C
(Ceiling floor mounted rail)

FS-20D
(Floor mounted double rail)

Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>FS-20A</th>
<th>FS-20B</th>
<th>FS-20C</th>
<th>FS-20D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall height of support column</td>
<td>floor mounted</td>
<td>Wall - floor mounted rail</td>
<td>Ceiling - floor mounted rail</td>
<td>Floor mounted double rail</td>
</tr>
<tr>
<td>2150mm</td>
<td>2230mm</td>
<td>2230mm</td>
<td>2180mm</td>
<td></td>
</tr>
<tr>
<td>X-ray tube vertical stroke</td>
<td>1200mm</td>
<td>1200mm</td>
<td>1200mm</td>
<td>1200mm</td>
</tr>
<tr>
<td>X-ray tube lateral stroke</td>
<td>1500mm</td>
<td>1500mm</td>
<td>1500mm</td>
<td>1500mm</td>
</tr>
<tr>
<td>X-ray tube back and forth (arm) stroke</td>
<td>250mm</td>
<td>250mm</td>
<td>250mm</td>
<td>250mm</td>
</tr>
<tr>
<td>Option</td>
<td>Electromagnetic-off-lock</td>
<td>( Vertical, back and forth )</td>
<td>( Vertical, back and forth )</td>
<td>( Vertical, back and forth )</td>
</tr>
<tr>
<td>Auto-tracking function (Height direction only)</td>
<td>( Vertical, lateral, back and forth )</td>
<td>( Vertical, lateral, back and forth )</td>
<td>( Vertical, lateral, back and forth )</td>
<td></td>
</tr>
</tbody>
</table>

Hitachi Medical Corporation
Surgical Mobile C-Arm System

DHF-105CX / DHF-105CX-PC

Standard C-arm System

• Mobile C-arm X-ray system with inverter type generator
• A 7 inch or a 9 inch image intensifier is selectable.
• Recursive filter for high quality images
• High capacity X-ray tube with dual focal spots
• Last-image hold function
• 8 channel image memory function
• Fluoroscopic images with automatic brightness control system

Advanced C-arm System with Floating Mechanism

• In case of treatment of fractured long bones such as an arm, the lateral movement of C-arm with floating mechanism facilitates increased observation area.
• Hitachi’s unique Floating C-arm which slides freely in any direction corresponds to all surgical techniques.

Sirius Floating/C

Hitachi Medical Corporation
X-Ray System

Mobile X-Ray System

Sirius 130HP Pantographic Arm
Pantographic arm that can make a radiographic distance longer.
The lightly operable compact pantographic arm has a long arm that can lead the X-ray tube head higher and farther. The head can be positioned up to a longer distance, thereby a longer distance from the X-ray tube focal spot can be set to assure high quality chest image.

Sirius 130HT Telescopic Arm
- Sirius 130HT with telescopic arm is available.
- Positioning operation is easy and simple.
- The max. radiographic distance is 1.865mm from the floor level.
ECHELON OVAL
The New Shape of MR

ECHELON OVAL is designed around the shape of the human body, allowing for an optimal patient experience with outstanding comfort, space, and efficiency.

The game-changing 74cm oval bore is wider 1.5T MR than ever. Enhanced patient accessibility combined with Hitachi’s Workflow Integrated Technology (WIT), advanced imaging capabilities, and UltraPlus Customer Support, makes ECHELON OVAL an ideal solution for improved workflow, greater diagnostic confidence, and increased cost-efficiencies.

ECHELON OVAL, the innovation that’s changing the shape of MR.

ECHELON
Promising MRI to meet your expectation

ECHELON further advances magnetic resonance scanning technologies by providing faster operation and clearer imaging, making diagnosis easy. In response to the needs of the medical community, ECHELON provides true practicality and ease of use.
MR Imaging System

APERTO Lucent

This is the only Hitachi open MRI with a single pillar structure, which provides wider openness. It has a design that takes examinees into consideration. For Hitachi, the design is also an important specification for an MRI system. APERTO Lucent can be incorporated with measurement functions newly developed by Hitachi for the high magnetic field system, which widens the possibility of diagnostic imaging.

AIRIS Vento

An improved operability to make a wide variety of information available. High-precision images of a one step higher level. A friendly design with maximum comfort. This compact system has condensed “gentleness” of MRI with all functions such as operability, image quality, and comfort necessary for improved MRI. Another new value of the open MRI is created here.

AIRIS Vento LT

Laterally Aligned Table

The laterally aligned table allows the AIRIS Vent LT to be compact.

The body region that is distant from the midline (shoulder, knee, etc.) can be set to the magnetic field center.

Open architecture gives not only a feeling of security, but it has considerable merits for taking care of small children and elderly patients and securing space for contrast medium injection.
CT System

SCENARIA

SCENARIA is a 64-ch/128-slice CT that can scan not only the heart but also any regions of the whole body at the fastest, a 0.35 s/rot scanning. Intelli IP, which is the latest noise reduction technology making use of iterative approximation, reduces image noise generated in low dose scanning. Furthermore, the spatial resolution can be improved by using the Hitachi's advanced lateral slide table to position the scanning region such as the heart at the rotation center. Moreover, IntelliCenter is incorporated, which reduces exposure by approximately 1/3 outside the FOV of the heart by combining the small bow-tie filter.

ECLOS

ECLOS is a multi-slice CT with the concept of “patient-friendly, custom-made, and easy operation”. The optimal x-ray tube, the number of channels (4, 8, or 16), the table, and network can be customized in accordance with the details of examinations or installation space of each facility.

- **Hyper Q-Net**
  By having one unit of Hyper Q-Net in the CT room, it can be used as a sub-console in which imaging and analysis are independent of each other. Furthermore, more than one Hyper Q-Net can be used as “doctor consoles”.

- **CT examination applications**
  Applications that widen the usage of CT examination images and increase its value are proposed.
  - **riskPointer (LAA analysis software)**
    Software that calculates the area of the low attenuation area (LAA) and %LAA from a lung field CT image.
  - **fatPointer (Body fat analysis software)**
    Software that calculates the areas of CT value that correspond to visceral fat and subcutaneous fat from an abdomen CT image.
Optical Topography

ETG-4000

Hitachi Optical Topography system measures and images dynamically the hemoglobin levels in the brain during functional activity using near-infrared spectroscopy (NIRS).

Measurement of this system is non-invasive, and relatively restraint-free and convenient for the patient being tested.

The system beams near-infrared light into patient's head, and pick up the reflected light penetrating through the cerebral cortex. It opens up a totally new way of assessing the brain.

- Simultaneous 24 or 48-channel measurements
- Clinic-conscious with three types of holders
  Stable measurements are possible using a cap that fixes the holders.
- Operator-friendly
- Compact and mobile
- Improved S/N ratio with shortened wavelength
  Use of 695 nm wavelength

Options
- 3D topographic image display system
- Interface for the video recording system
- $3 \times 11$(52-channel) holder
- Neonate/infant probe
Diagnostic Ultrasound System

ProSound F75

Offering excellent diagnosable images for a wide variety of clinical applications, the ProSound F75 is “FIT” for comfortable and efficient ultrasound examinations.

- Facilitate Workflow
  The system allows you to adjust for the best positions of the monitor and operation panel for each examiner.

- Investment Return
  Various ways to minimize costs have been devised in all 3 phases of introduction, during use and after use.

- True Diagnostics
  The images with high diagnostic ability will lead to confident judgments.

ProSound α7

The ProSound α7 is a ultrasound system that contradicts the thought that high-performance systems are large. It inherits the proven technologies and functions of our high-end product, yet offers outstanding mobility thanks to being the smallest size in its class. The system is easily transported to deliver high performance throughout the hospital.

ProSound α6

The ProSound α6 is the next generation compact color ultrasound system providing unprecedented performance in a variety of ultrasound applications. It inherits the proven technologies and functions of high-performance higher class models. The compact and lightweight system is easily transported and occupies only a small footprint. The ProSound α6 was presented the iF Product Design Award 2010.
Diagnostic Ultrasound System

**F37**

Thoroughly simple and compact. The F37 is full of functional and ergonomic features for simple operation. Imaging functions inherited from higher-class models support F37’s excellent patient care. The equipped, enhanced, and evolutionary 3E Platform enables the small size, as well as faster processing, lower power consumption, and future upgradeability.

**ProSound 6**

Backed by the proven technologies of the ProSound series which are reputed for excellent image quality, the ProSound 6 supports high-level echo examination setting the new standard in its class. The system is slim enough for use in a limited space, such as an outpatient consulting room, the bedside in the ward, an operating room, etc.

**ProSound 2**

The ProSound 2 has been developed to meet the demand for high image quality in a portable unit. In features user-friendly simple operation with a variety of probes, making it ideal for today’s increasingly diverse examination environment thanks to its enhanced flexibility and ingenuity.
HI VISION Ascendus
We have attained a new level of development to meet the endless demand for high quality imaging. The HIGH VISION Ascendus is filled with a full range of advanced technologies developed by joining forces of the Hitachi Group. ULTRA BE II, the second generation of ultrasound broadband engine, realized unprecedented high quality imaging performance. The ULTRA BE II allows for various new functions including 4D Elastography.

HI VISION Preirus
The HI VISION Preirus is a compact premium class ultrasound scanner with brand new platform. In addition to the further improvement of state-of-the-art technologies like Real-time Tissue Elastography and Real-time Virtual Sonography, this system realizes basic performance required to ultrasound systems in higher level than ever before. For higher image quality, Pure Image, beautiful and clear image is achieved. For higher operationality, its ergonomic design and the touch panel incorporated in the image monitor offer a comfortable operation.

HI VISION Avius
Diagnostic ultrasound system “HI VISION Avius” equipped with Hitachi’s latest digital technologies realizes high-definition ultrasound beam forming and advanced image processing. Especially, it compactly integrates high-quality imaging functions such as the 3rd generation tissue harmonic function (HdTHI), adaptive imaging function (HI REZ) and so on. The HI VISION Avius can also incorporate Real-time Tissue Elastography.