

# EXAMION®

X-Ray Systems · Digital Imaging · Service

## X-DRS Floor U-Arm

Swivel bracket systems with detector



## Swivel bracket

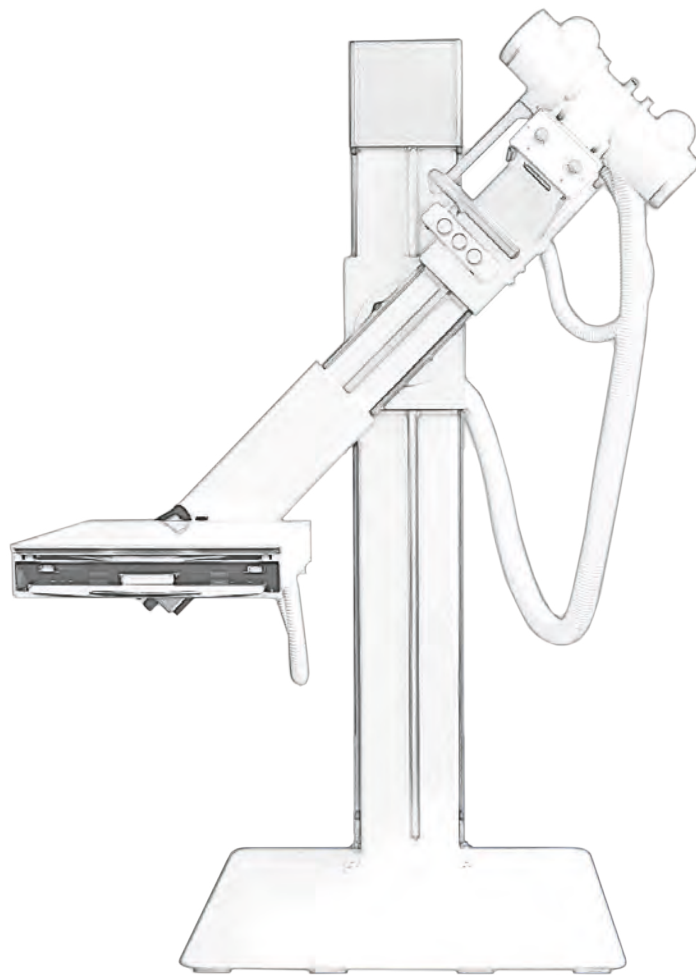
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The EXAMION swivel bracket systems are among the most compact and space-saving X-ray systems and therefore are ideal for small rooms and low ceilings.

The system can particularly easily be positioned for upright images since the X-ray source and bucky tray are coupled via the transverse arm and can be brought to the desired height together.

Thanks to the hinged transverse arm of the swivel bracket, both prone and upright images can be taken with a single bucky tray. It is also possible to place the transverse arm in intermediate positions for inclined images. The main advantage of systems with a single bucky tray is that the detector usually does not have to be removed and is therefore optimally protected. When other X-ray systems are combined with just one detector, it is placed alternately in the table and the wall unit. The swivel bracket is the ideal solution if you want to work with just one detector to optimise acquisition costs.

Your competent partner for X-ray systems



Swivel bracket

## -DRS Floor U-Arm





## Space-saving X-ray system with motorised movement

The X-DRS Floor U-Arm swivel bracket system is particularly suitable for resident practices looking for a device that requires little space and offers maximum comfort. The system enables convenient operation via touchscreen and, thanks to its motorisation, also convenient positioning.

Just like the mechanical swivel bracket presented on the following pages, this all-digital system includes the high-quality EXAMION detectors and the X-ray software X-AQS in addition to the motorised X-ray unit. In this way, you can create X-ray images of the highest quality with this all-in-one system.

### Areas of use

Healthcare centres requiring the full range of imaging techniques on patients who are standing or lying down, but which are limited by room capacity, will gain considerably from using the U-arm swivel bracket system. The X-ray system is ideal for use in medical care centres or private practices, e.g. in orthopaedics or surgery.

#### X-DRS Floor U-Arm



Private practices



MVZ

### Optimal price-performance relation

The motorised swivel bracket system supports the user in a wide range of ways; the comfort, measured against purely mechanically acting X-ray systems, is evident from the very first minute. This results in a slightly higher purchase price, which EXAMION counters by standardising components as much as possible. This enables us to offer a very comfortable system at an very attractive price.

## Comfortable X-ray system with many setting options

### Wide support thanks to motorisation

Thanks to the motorised height adjustment of the crosstable and the motorised adjustment of the source image distance, positioning the X-ray unit is effortless as operators can adjust the position simply by clicking on a key. The adjustment happens purely with a keypress. In this way, the radiography system reduces workload, especially for users who have to operate the X-ray system without pausing and over a longer period of time.



### User-friendly control with modern design

A further benefit for the operators is that various saved positions can be called up on the touchscreen. With one click, you can call up the positions that are most important for your practice and that you use frequently. This saves time and enhances efficiency.

The modern design of the X-DRS Floor U-arm integrates perfectly into modern practice rooms. Put your patients at ease with advanced equipment that looks smart and functional.

### Synchronization

The X-ray source and bucky tray are directly connected to each other and are thus centred. The operator does not need to check the focus separately. This extra step is not necessary and reduces the operating staff's workload.





## Technical specifications

### X-ray stand

<b>SID</b>	100 cm - 180 cm Motoric movement
<b>Height adjustment</b>	Min. 40 cm Max. 170 cm Motoric movement
<b>Rotation angle cross arm</b>	- 30° - 120° Manual rotation, electromagnetic brake
<b>Spotlight rotation angle</b>	± 90° Manual rotation, mechanical brake
<b>Rotation angle Bucky</b>	± 45° Manual rotation, mechanical brake
<b>Control system</b>	10" Touch Screen
<b>Bucky</b>	For CR cassettes and mobile detectors in cassette format

### Further specifications

<b>Generator</b>	CPI CMP 200 DR, 50 kW, max. 630 mA, max. 150 kV, AEC, hand switch, 3 Phases / N / PE, 400 V, incl. console Other generators on request
<b>Tube</b>	Varex RAD-14, Fokus 0,6 / 1,2 mm, 300 kHu, max. 150 kV, incl. High-voltage cable, weight 17,4 kg Optional: RAD 21, RAD 60
<b>Collimator</b>	Manual rotation, LED-lamp, integrated timer, Laser adjustment
<b>AEC</b>	3-field-measurement chamber with cable
<b>DFP (optional)</b>	Measure dosage Area Product or DFP calculation, automatic integration into the X-AQS X-ray journal
<b>Warranty</b>	5 year warranty on detectors 1 year warranty on all other components Extended warranty on request
<b>Certification</b>	CE 2460

Swivel bracket

## -DRS Floor U-Arm Manual







## Digital X-ray in a small space – without restrictions

The X-DRS Floor U-Arm Manual combines a mechanically adjustable swivel-bracket X-ray system with the premium EXAMION detectors and the X-AQS software. The fully digital system is the ideal choice for private practices that need a system which does not require a lot of space and where reliability is important.

### Areas of use

In addition to the motorised X-DRS Floor U-arm, which was presented on the previous pages, the mechanical swivel arm is the right device for medical care centres or private practices, e.g. orthopaedics or surgery. The movable system enables all recording techniques without having to remove the detector from the Buckytray.

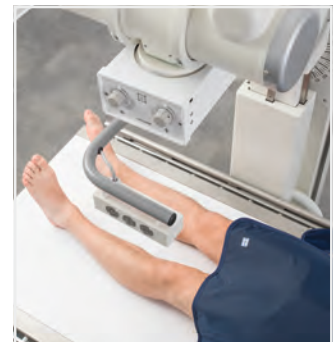
#### X-DRS Floor U-Arm Manual



Private practices



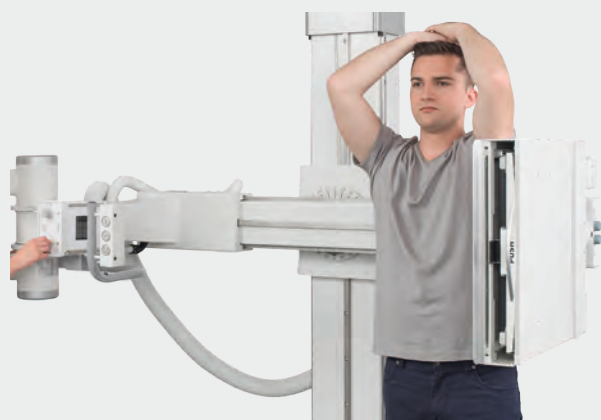
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## X-ray system with impressive features

### System alignment made easy

The purely mechanical movements allow the system to be positioned extremely quickly. Changing between lying and standing images by rotating the cross-arm, adjusting the cross-arm height for standing images and changing the source image distance can be done very quickly with the required routine - and more quickly than with a motorised system. New staff do not need extensive training, and they can acquire the experience needed for exact positioning in a very short time.



### Dependable endurance

Due to the mechanical system, the swivel bracket is extremely reliable. The system provides a high level of fail-safety and you can be sure that the X-ray scans in your practice can be performed non-stop.

In addition, the components of the X-DRS Floor U-arm are especially designed for durability, so that your practice will be able to carry out X-ray scans without any interruptions.

### Synchronisation

X-ray source and bucky tray are directly connected to each other and are thus centered. The operators do not need to check the focus separately. This extra step is not necessary and reduces the operating staff's workload.





## Technical specifications

### X-ray stand

<b>SID</b>	110 cm ~ 200 cm
<b>Height</b>	217 cm
<b>Height adjustment (electromagnetic locking)</b>	Min. 35 cm Max. 168 cm
<b>Transverse arm</b>	Rotatable - 45° to + 135°, Angled images possible, electromagnetic locking
<b>Bucky unit</b>	Rotatable ± 90°
<b>Radiator unit</b>	Rotatable - 45° to + 225°
<b>Weight</b>	Ca. 280 kg (incl. Tube, Depth blind und Bucky)
<b>Legal requirements and standards</b>	CE 2460

### Further specifications

<b>Generator</b>	CPI CMP 200 DR, 50 kW, max. 630 mA, max. 150 kV, AEC, hand switch, 3 phases / N / PE, 400 V Other generators on request
<b>Tube</b>	Varex RAD-14, Fokus 0,6 / 1,2 mm, 300 kHu, max. 150 kV, incl. High-voltage cable, weight 17,4 kg Optional: RAD 21, RAD 60
<b>Collimator</b>	Manual rotation, LED-lamp, integrated timer, Laser adjustment
<b>AEC</b>	3-field-measurement chamber with cable
<b>DFP (optional)</b>	Measure dosage Area Product or DFP calculation, automatic integration into the X-AQS X-ray journal
<b>Warranty</b>	5 year warranty on detectors 1 year warranty on all other components Extended warranty on request
<b>Certification</b>	CE 2460

## X-DR WiFi – Detectors in a range of sizes

Our detectors are at the heart of the digital X-ray system. They provide high quality X-ray images, saving time and man-hours. They are available in different versions, can be combined with each other and thus cover all requirements without any problems.

Data transfer via WiFi is supported and power can be supplied by a battery. If the detector is permanently installed, the appropriate power supply cabling is available as an option.



### X-DR M WiFi TH

- Optimal as a supplementary detector for extremity images
- Suitable for incubators in neonatology
- Size: 23 x 28 cm

### X-DR L WiFi und X-DR XL WiFi

- Best seller with excellent price in relation to performance
- Excellent picture quality that also complies with high requirements
- Sizes: 35 cm x 43 cm  
43 cm x 43 cm

### X-DR L WiFi Premium und X-DR XL WiFi Premium

- Minimal weight
- High protection against liquid infiltration
- Pixel pitch 100 µm: Premium quality X-ray images which meet the highest requirements
- Sizes: 35 cm x 43 cm  
43 cm x 43 cm

## Our models at a glance

	X-DR M WiFi TH	X-DR L WiFi	X-DR L WiFi Premium	X-DR XL WiFi	X-DR XL WiFi Premium
<b>Pixel pitch</b>	148 µm	150 µm	100 µm	139 µm	100 µm
<b>Pixel matrix</b>	1.920 x 1560	2.304 x 2.800	3.500 x 4.300	3.072 x 3.072	4.267 x 4.267
<b>Weight</b>	1.6 kg	3.4 kg	2.8 kg	4.6 kg	3.4 kg
<b>Size</b>	23 x 28 cm	35 x 43 cm	35 x 43 cm	43 x 43 cm	43 x 43 cm



## -AQS Software – Acquisition, control, archiving

The EXAMION X-AQS software is a universal solution for X-ray image acquisition, processing and archiving, allowing you to control a wide range of CR digitizers, DR flat panels and X-ray generators as well as processes. The software is available as a DICOM modality to connect to your existing image archive, but also as a system solution with X-AQS PACS with standardised operation at viewer workstations. The software can be adapted to your needs and can grow along - always as you need it.



### Placing of orders

- Touchscreen operation throughout
- Clear depiction and selection of body regions
- Freely configurable organ lists for each body region

### Image acquisition

- State-of-the-art X-AQS image processing
- Consistent user interface and operation steps even when switching between CR and DR systems
- Digital X-ray journal

### Post-editing

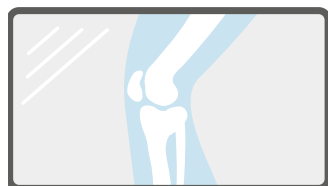
- Extensive functions for post-editing the image
- Complete diagnostic viewer with measuring tools even at acquisition workstation
- Export in DICOM and other formats via USB stick, DVD or e-mail

### Additional features with X-AQS PACS

- Client software for an infinite number of viewer workstations
- Integration of peripherals such as ultrasound, endoscopy, CT and MRT

### Webclient

- Full-featured web client not only for image viewing but also, for example, for patient management and order placement



The X-AQS with its user-friendly operating interface is the central controlling unit for digital X-ray. Simple and self-explanatory buttons enable the acquisition of perfect X-ray images with just a few clicks. We offer you a future-proof universal software platform that is constantly being further developed and tested by users.

# EXAMION GmbH

EXAMION is a specialised provider of solutions for digital radiography in human and veterinary medicine on the global stage. We have been working for more than 30 years based on the "one stop shop" principle, and support our customers as an expert partner in planning, installation and after-sales service.

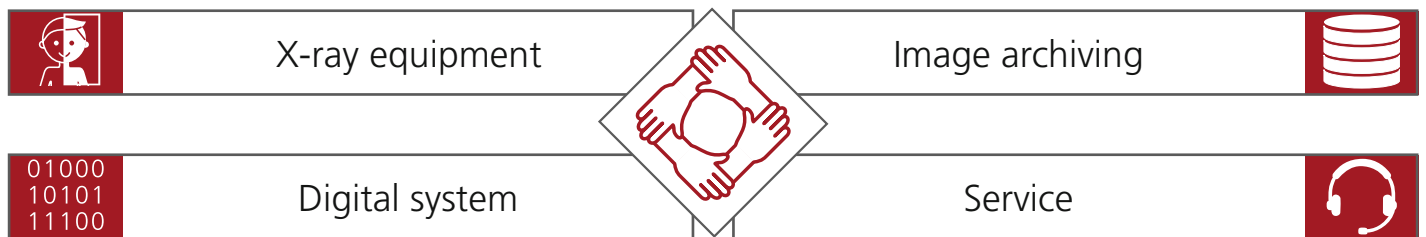


Our advice on technical and business matters centres around our customer's needs and practice premises, and each and every offer is individually tailored by our experts.

EXAMION currently services over 7,000 systems, some of these are mobile, but the majority are permanently installed in hospitals and medical practices. EXAMION X-AQS software, which has been developed in-house, for unit control, image processing, diagnostics and archiving, standardises control and ensures an efficient workflow. Our product portfolio encompasses digital radiography, digital image processing as well as mammography and X-ray therapy.

We support our customers with more than 150 employees throughout Germany and in four European sites in Belgium, Poland, Portugal and Switzerland. Worldwide we are working with an ever-growing network of service and sales partners.




## Benefit from years of experience



## Contact

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### Certified partner of EXAMION