

  
**ATOMED X-RAY**  
anytime. anywhere.



## ATX QUANT *power*<sub>400</sub> AiO

Portable X-ray & digital radiography system

**Mobile X-ray. Anytime. Anywhere.**

ATX QUANT<sup>power</sup><sub>400</sub> AiO

# Unique in function and design

**The ATX QUANT<sup>power</sup><sub>400</sub> AiO (All in One) is a new and extremely lightweight X-ray system with integrated DR Flatpanel, which satisfies highest demands in positioning flexibility, stability and versatility.**

Developed and designed as a powerful mobile X-ray system, it allows the user to do X-ray images of the complete human body. The whole unit is based on the principle of mobile lightweight construction and is mainly made of modern materials. The design combines functional aspects with bionic elements.

As a result, the ATX QUANT<sup>power</sup><sub>400</sub> AiO is a medical product, which is a unique combination of x-ray performance, size and presence. It is easy to clean and to disinfect, all electrical components are covered, all cables are hidden within the equipment.

In **less than 2 minutes** the system is ready for operation.

Due to the good shielding of the x-ray unit, it has an extremely low leakage radiation and therefore only needs a control area of 1.5 m during the x-ray examination.

The ATX QUANT<sup>power</sup><sub>400</sub> AiO perfectly combines power, weight and size.

Even under extreme conditions (temperature and air humidity) the system works reliable and is therefore used successfully in military medical services worldwide.





ATX QUANT<sup>power</sup><sub>400</sub> AiO

# Elegant, powerful and easy to operate



The ATX QUANT<sup>power</sup><sub>400</sub> AiO includes the following components:

- **Generator**
- **Stand**
- **DR Box**



## 1 Generator

- 6 kW High Frequency generator
- 40 kV to 120 kV (optional 125 kV)
- 143 mAs (standard) extendable to 213 mAs
- max. 100 mA tube current
- focal spot 1.2 x 1.2 mm
- micro-processor controlled X-ray process
- duty cycle 60 : 1
- serial interface
- extra bright collimator light for outdoor examinations
- additional line – lasers for the correct positioning of the patient on a table
- warranty: 2 years (cables not included)
- Dose-Area-Product device optional on request



## 3 DR Box

- slim and elegant design, made of UV resistant materials
- internal storage of all DR components – such as DR flat panel detector, PC and monitor as well as W-Lan structures, uninterrupted power supply etc.
- integrated 19" multitouch-monitor with HD resolution
- integrated detector
- external USB connectors
- Software on customer's demand – DX-R, NE, DicomPACS



## 2 Stand

- extra stable, lightweight design
- big wheels with integrated brake and smooth running rollers
- perfect handling and positioning also on uneven surfaces
- generator positioning with integrated pneumatic springs
- max. height approx. 195 cm above ground
- comfortable working also at patient beds
- fulfills highest hygienic standards
- the attached DR box protects all internal parts





Perfectly equipped – wherever you are

# Anytime. Anywhere.

**It just takes a few simple steps to set up the ATX QUANT<sup>power</sup><sub>400</sub> AiO. The system is operated intuitively, which makes it the perfect choice for doctors and medical staff during emergency aid operations.**

## Fields of use:

- military and emergency medical care (in containers or tents)
- remote areas of large countries with poor infrastructure (ambulance vehicles)
- used in programs of preventive health care and diagnostic support
- disaster management
- on ships, cruise liners or oil platforms
- in hospitals to do X-rays directly in the patients beds or in the emergency admission
- in nursing homes or care centers for the treatment of elderly people
- in laboratories or scientific centers in remote areas of the world
- during sports events



## Service concept

**The system is basically made of three main parts: the mobile and moveable stand, the generator head and the DR box.**

In a service case, defective parts may be dismantled quickly and replaced easily. This reduces the systems downtime enormously and allows constant work with the equipment. All systems are supplied with an integrated remote maintenance kit. Referring to the mechanical and electrical components, the system is nearly maintenance-free, which massively decreases the after sales costs for the ATX QUANT<sup>power</sup><sub>400</sub> AiO.

The system comes in a special impact-proof transport box.

**Warranty: 2 years (cables not included)**

**Training courses for users and technicians**

## Operating concept

Digitalization has reached the healthcare sector a while ago and a quick image acquisition is very often decisive for further medical treatment of a patient. So the X-ray system needs to work reliably under all climatic conditions.

Even untrained personnel should be able to operate the system effortlessly. ATX QUANT<sup>power</sup><sub>400</sub> AiO was developed and designed with the main focus on portability, handling and ease in use.

It is set up quickly and is ready for operation within short time. Preparation for the X-ray examination and the image acquisition with a digital detector itself only take a few seconds. So perfect and high quality X-ray images are produced, which enable the doctor to concentrate on the diagnostic work. Different software and applications can be chosen by the customer to make the system the perfect fit for the medical staff.

**The ATX QUANT<sup>power</sup><sub>400</sub> AiO is CE certified and meets all medical requirements.**



### TECHNICAL DATA ATX QUANT<sup>power</sup><sub>400</sub> AiO

|                                     |  |
|-------------------------------------|--|
| Operating Voltage                   | AC, 200 – 260 V, 50/60 Hz – automatic voltage adaption |
| Mains Fuse                          | 16 A @ 230 V   |
| Protection Class                    | Type B, Class I  |
| Electromagnetic Compatibility (EMC) | According to IEC 60601-1-2, 12/2007                    |
| Duty Cycle                          | 1 : 60 (1 sec. ON, 60 sec. OFF)                        |
| Water Permeability                  | Splash-proof (according to IEC 529)                    |

### X-RAY UNIT

|                  |   |
|------------------|---|
| Construction     | Monoblock device with full bridge inverter system (High Frequency technique)          |
| Output           | 6 kVA at 100 kV<br>Output in 2 kV – steps<br>40 – 120 kV (125 kV optional on request) |
| mAs              | 0.4 – 143 mAs (213 mAs optional on request)   |
| Focal spot       | 1.2 x 1.2 mm  |
| Timing           | 0.01 – 2.00 sec.  |
| Total Filtration | 3.2 mm Al equivalent  |
| Collimator       | Rotatable, 100 Lux at FFD 100 cm  |
| DAP Equipment    | Optional on request   |

### DIMENSIONS ATX QUANT<sup>power</sup><sub>400</sub> AiO

|              |   |
|--------------|---|
| L x W x H    | 980 x 650 x 1345 mm   |
| Range        | Max. focal height: 1930 mm<br>Min. focal height: 420 mm<br>Max. horizontal range: 1000 mm |
| Total Weight | approx. 98 kg   |

### Digital Flat Panel Detector

The ATX QUANT<sup>power</sup><sub>400</sub> AiO can be equipped with different kinds of digital flat panel detectors (whether wired or wireless), such as the CANON CXDI panels CXDI 70G, 501 G/C, 701 G/C.\*

\*other types on request

**Canon**  
Authorised Dealer

**Mobile X-ray. Anytime. Anywhere.**

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