



Medical Imaging Resources, Inc.

120 Enterprise Drive

Ann Arbor, Michigan 48103

Phone: 888.323.1316

Fax: 734.426.2003

www.mobileleasing.com

www.medimagingsales.com



Aquilion^{LB}

Aquilion LB - Broadening patient care

With outstanding image quality in all diagnostic routines and oncology related applications, the Aquilion LB is the first Wide Field CT scanner with a 70 cm scan field and a 90 cm wide bore, increasing diagnostic anatomical coverage for optimized diagnosis and treatment.

Designed for:

- Optimized patient positioning
- Optimized planning information
- Optimized patient comfort
- Optimized patient dose
- Optimized diagnostic image quality
- Optimized patient throughput

Key features:

90 cm wide bore

Enabling a breast board tilt of up to 25 degrees
Radiotherapy table top* with indexed patient positioning system (IPPS)
Scan range of 175 cm
Low noise direct drive for 0.5 sec/rotation
Maximum 70 cm Field of View with full image quality
Up to 85 cm** reconstruction* for oncology applications
0.35 mm voxel resolution
Versatile in scan slice width: 16 x 0.5 mm, 16 x 1.0 mm or 16 x 2.0 mm
Quantum detector material with highest sensitivity for best low contrast resolution
2 mm at 3 HU
Extremely powerful X-ray tube:
7.5 MHU MEGACOOOL
^{SURE}Exposure, advanced body contour dose reduction technology
Quantum Denoising Software, dramatically reducing exposure dose, while maintaining image quality

* Option

** Works in Progress

Largest acquired Field of View

The new 16 slice Aquilion™ LB features the industry's largest gantry aperture of 90 cm and the industry's largest scan field of 70 cm, covering more anatomy with greater accuracy than ever before. The unique 70cm scan field, up to 40 percent greater than other large bore CT systems, ensures superior image quality across the entire image and eliminating hidden anatomical areas for improved diagnoses, simulation and planning. Only the Aquilion™ LB delivers a Field of View of 70cm without extrapolation algorithms by virtue of Toshiba's renowned Quantum™ Detector technology.

Oncology

Uncompromised use in Radiotherapy planning is assured by the unique design of the Aquilion™ LB. In order to address the oncology market effectively and professionally, Toshiba Medical Systems Europe decided to work closely with leading professionals in the Radiotherapy market, such as the company **CMS**, for CT Simulation, and the company **A2J**, specialized in LASER positioning devices. As for the use of patient positioning accessories, the Aquilion™ LB can be delivered with specialized Radiotherapy tabletops, fitting a wide range of positioning aids from e.g. Medtec or **Sinmed**.

Versatility in all diagnostic applications

The Aquilion™ LB makes it possible to scan accurately patients of all sizes in various positions and delivers therefore unmatched clinical performance.

Whether it is for trauma patients, or for anaesthetized patients the large aperture, the 90 cm bore combined with the long scanning range of 1.75 m bears practically no limitations.

Volumetric chest exams can easily be completed within a single breath hold. The combination of the 32mm detector width and 0.5-second scanning allows up to 96mm to be scanned per second

Whole-body Trauma examinations are acquired in less then 20 seconds by virtue of the long scanning range of 1.75m and the high scanning speed

Whether the scanner will be used for day-to-day diagnostic examinations, or whether the scanner will be put into operation into an oncology department, you are assured of the best possible clinical outcome at all times.

All attempts have been made to ensure accurate data. Medical Imaging Resources, Inc. assumes no responsibility for any unintentional errors or omissions.