



Medical Imaging Resources, Inc.

120 Enterprise Drive

Ann Arbor, Michigan 48103

Phone: 888.323.1316

Fax: 734.426.2003

www.mobileleasing.com

www.medimatingsales.com



Reduced scan times shorten the examination time and minimise the risk of motion artefacts. Scanning 4 slices of 0.5 mm in a single rotation of 0.4 s, Aquilion S4 FX can visualise minute voxels of 0.35 mm.

Aquilion S4 / S4 FX

Boldly setting a new standard for everyday, 0.4 second* high-speed scanning, Aquilion S4 improves temporal and spatial image resolution with longer, faster helical scanning for thinner-slice, 3-D volume imaging.

A high power X-ray tube and an incredibly versatile detector array complement this supercharged CT scanner, giving it superior uptime performance and true isotropic imaging capabilities.

Advances featured on the Aquilion include:

- **Quantum 32 Selectable Slice Multi-row Detector (SSMD) for optimal slice thickness combinations including the Toshiba design of 0.35 mm isotropic resolution.**
- **Fastest of its kind at 10 slices per second and 120 mm* per second coverage.**
- **MegaCool™ X-ray tube performing non-stop securing high patient throughput.**
- **SURETechnologies like the ^{SURE}Start, ^{SURE}Fluoro, and ^{SURE}Exposure for improved dose management.**
- **Unmatched scan range of 1800 mm.**

Simple to expand

Combined with the "FX" technology and "Cardiac package", the Aquilion S4 offers:

- **0.4 s rotation for all scan-modes.**
- **High resolution Coronary imaging. Scanning a 12 cm volume in 36 s with 4 x 1.0 mm slices.**
- **Functional analysis using up to 20 cardiac phases to calculate EF, regional EF, wall motion and wall thickness in just a few minutes**
- **A choice of rotation speed (0.4, 0.5 or 0.6 s) and pitch combinations at a best temporal resolution of 40 ms.**
- **Unique Toshiba adaptive automatic segmented reconstruction delivering highest quality cardiac images even with extreme fluctuations in heart rate.**
- **CT imaging of the heart in diastolic or systolic phase with a heart rate up to 140 BPM even during induced stress situation**

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