

V.A. Medical Center
DEPT OF VETERANS AFFAIRS
MEDICAL CENTER
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EQUIPMENT SUMMARY:

AQ/ONE-S.000

**AQUILION ONE DYNAMIC VOLUME
CT SCANNER**

CT SCANNER AQUILION ONE

DICOM MODALITY WORKLIST
MANAGEMENT (MWM) SERVICE CLASS
USER (SCU) SYSTEM

DICOM 3 PERFORMED PROCEDURE STEP
SCU

DICOM 3 QUERY/RETRIEVE SCU AQ/MP

DICOM 3 STORAGE COMMITMENT SCU
SOFTWARE

PGP STUDY SPLIT

ACCESSORY KIT FOR HIGH CAPACITY
COUCH

CT PHANTOM

(2) CHAIR WITH ADJUSTABLE ARMS AND
BACK

(5) MEDIA FOR DVD-RAM DRIVE (9.4 GB)

CONSOLE DESK 65" X 36" X 30"

(2) SERVICE MODEM CABLE

FLOOR LEVELING EPOXY KIT

SURECARDIO WITH PHASEXACT FOR
AQUILION ONE

ECG GATING SCANNING SYSTEM

ECG MONITOR, R-WAVE TRIGGER

4-D NEURO PERFUSION PACKAGE
INCLUDING SURESUBTRACTION FOR
CONSOLE

BATTERY CABINET FOR ANY TIC VRDU

VRDU 480V INPUT / OUTPUT WITH
REMOTE STATUS ALARM PANEL

VITREA ENTERPRISE SUITE (VES) PER
VITAL IMAGES, INC. QUOTATION # 10480-
00003241.A

Special Information & Terms

- This quotation/order will be subjected to the Agreement for Computed Tomography equipment products between Government and Toshiba America Medical Systems, Inc., Reference contract no. SPM2D1-09-D-8322/V797P-6033(b).
- Includes 12 month Service Warranty.

Quotation includes a trade-in.

AQ/ONE-S.000

AQUILION ONE DYNAMIC VOLUME CT SCANNER

Aquilion ONE is a multi-functional Dynamic Volume CT scanner. It is the first CT to not only perform routine multi-slice imaging, but cover entire organs dynamically with lower radiation and less contrast dose. The 16 cm coverage of the Aquilion ONE's unique Quantum V detector acquires whole volumes of the entire brain, heart, and other organs in a single rotation without table movement. In addition, the Aquilion ONE is the most flexible scanner offering conventional helical and step and shoot modes.

The whole organ coverage of Aquilion ONE offers a completely new way to image critical organs such as the head or heart without the need for over sampling or overlapping since the entire organ can be acquired in one rotation. This volume coverage gives outstanding image quality with significantly less contrast and lower radiation dose. Because of the lower dose, new applications such as dynamic motion, vascular flow studies and perfusion imaging are routinely performed with one scan and just a single contrast injection.

COMPONENTS:

- eVolution Gantry with iStation
- eVolution 660 lb Couch with custom table pad and positioning accessories
- Dual Consoles with ergonomic operator controls
- High Speed reconstruction hardware
- MegaCool™ V X-ray tube
- Quantum V detector and DAS
- Operator manuals and quality assurance phantoms

KEY FEATURES

coneXact Image Quality Breakthrough with Double Slice Technology

Toshiba's unique cone beam reconstruction algorithm is designed specifically for 16 cm coverage cone beam reconstruction. This breakthrough algorithm eliminates the artifacts typical when off the shelf cone beam algorithms are applied to wide area detectors. New coneXact and VolumeXact algorithms reconstruct diagnostic images with more coverage area per rotation than any other scanner as well as adapting images between two wide volume scans. These algorithms overcome the inherent challenges associated with wide beam geometry which include adeptly incorporating the wide cone angle into the image reconstruction and reducing geometrically-imposed data truncation.

Double Slice Technology:

Using Toshiba's coneXact algorithm, the Aquilion ONE reconstructs 640 unique images per axial scan enabling volume reconstruction in double density, effectively creating 0.5mm slices at every 0.25mm. The Aquilion ONE achieves this by first reconstructing data sets as a volume, and then using information from oblique cone angle projections to extract distinct axial slices in between detector planes without resorting to interpolation or upsampling.

SURETechnologies

Improve workflow with a comprehensive toolset ensuring the fastest data to diagnosis span at the lowest possible dose with the best image quality. The following SURETechnologies are standard with the Aquilion ONE:

- SUREExposure 3-D– Automated dose modulation tools including 3-D and ECG modulation as well as adaptive collimation for clear images at lower doses
- SUREStart – Real-time contrast detection for perfect vascular timing of the volumes with breath instruction and fast volume transition for enhanced workflow
- SUREConnect – Fastest data to diagnosis from data acquisition to review at the workstation

DOSE REDUCTION FEATURES

The Aquilion CT systems from its dual-supported anode grounded x-ray tube, to the ultra-efficient Quantum Detector system and low noise data acquisition system (DAS), to the dose-saving SUREExposure3D (x, y, z mA modulation software), to advanced adaptive reconstruction (QDS) and noise reduction algorithms (Boost3D), to Adaptive Iterative Dose Reduction have been designed to deliver the best image quality at the lowest possible dose.

Adaptive Iterative Dose Reduction

This new, revolutionary Adaptive Iterative Dose Reduction (AIDR) technology lowers the radiation dose to the patient when compared to conventional scanners. The result is the best image quality at the lowest possible dose enabling clinicians to make better and more accurate diagnoses.

Images processed with AIDR show improved image quality with lower noise levels in comparison to standard protocols using identical dose. Toshiba's AIDR technology is adaptive, automatically calculating the optimized

number of iterations for any acquisition, swiftly producing optimized image quality with minimal operator input.

Quantum Denoising Software - QDS (Adaptive Noise Reduction)

Toshiba's Quantum Denoising Software is an adaptive noise reduction algorithm that works in the image data space by preferentially smoothing areas of uniform density while preserving the edge information of the image. QDS works in both two and three dimensions and can drastically reduce image noise, allowing a corresponding savings in patient dose. Most importantly, QDS works in conjunction with the ^{SURE}Exposure3D software to adjust the mAs based on the expected noise reduction from QDS. In this way, patient dose reduction is totally integrated in the Aquilion console software prior to turning on the x-ray beam.

^{SURE}Exposure3D (x, y, z automated mA modulation software)

Toshiba's ^{SURE}Exposure3D software automatically adjusts the mAs rapidly during the scan to adapt to and compensate for changes in attenuation level produced by the non-uniformity of the anatomy being imaged. Therefore, as the scan moves from the shoulders to the lung, the mAs goes down, and as the tube rotates around the patient, less mAs is used anterior-posterior than laterally. For the same image quality level, compared to non-modulated scanning, ^{SURE}Exposure3D can reduce the dose to the patient.

Boost3D

Boost3D is an adaptive, three-dimensional algorithm that virtually eliminates degradation of image quality due to highly attenuating anatomical structures, such as the pelvis or shoulders. Without dose reduction algorithms, like Boost3D, these highly attenuating areas require increased mAs and kVp to overcome the low photon count. Instead, Boost3D seeks out portions of the raw-projection data where there is a disproportionate loss in x-ray signal and applies a three-dimensional algorithm locally to reduce the image noise and streak artifacts.

CLINICAL SERVICE LINE FEATURES

Pediatric

Aquilion ONE offers the ability to scan smaller pediatric patients in a single rotation, dramatically reducing radiation exposure and minimizing the need for sedation. The scanner offers an estimated dose for each exam protocol prior to scanning to assist technologists with setup. Reducing sedation helps utilize resources more efficiently, limit staffing, and reduce the amount of time for the study. Aquilion ONE also offers the ability to scan at 80 kV and to do volume imaging on small body parts with a single rotation at a lower dose.

In addition Aquilion ONE has a 12-inch LCD screen iStation on the scanner which uses video and voice prompts to ensure patient compliance during scanning the iStation video of a small child in the video tells patient when to raise their arms, when to hold their breath, and so on--child-friendly instructions, coming from a child helps assure patient compliance. For pediatric radiologists Aquilion ONE can minimize the dosage, the drugs, and the trauma that a child experiences. Pediatric specific protocols include presets for ^{SURE}Exposure pediatric neck scans and dedicated pediatric ^{SURE}Cardio parameters for hearts which minimize exposure and produce excellent images for diagnosis.

EQUIPMENT COMPONENTS

eVolution with iStation

The philosophy behind eVolution is to design and build medical imaging equipment with less energy and more recycled materials leading to a much more environmentally 'green' platform.

The iStation in the Aquilion ONE is a 12-inch LCD screen which uses video and voice prompts to ensure patient compliance during scanning. This is especially useful during pediatric scanning as the iStation displays a video of

a small child that tells the patient when to raise their arms, when to hold their breath, and so on. These child-friendly instructions, coming from a child figure helps assure compliance.

Gantry

The eVolution gantry is the world's most eco-friendly gantry design built using 30% less energy than standard, multi-slice CT's.

- Hybrid slip ring technology conserves unused electricity
- Self cleaning system reduces the frequency of preventive maintenance visits and associated scheduling issues
- Gantry tilt
- Large aperture
- Five scan fields of view
- Wide range of scan times provides greater flexibility for optimal image quality

Couch

The eVolution couch is patient friendly for the largest or smallest of patients with easy access and comfort.

- Widest metal-free couch top
- Controls from gantry or console
- Large patient capability (660lbs)
- 2000 mm scan range
- Customizable additional foot pedal placement (option)
- Exclusive lateral couch movement (option) of 8.4 cm. minimizes patient dose and provides better access for interventions

Console – Acquire and Display

Two powerful console computers, one for scanning and reconstruction, one for display and reconstruction. Display, image feed, filming, and transfer for the generated MPR images are available on both the scan system monitor and the image processing monitor, using the same user interface for axial images.

- Capable of true simultaneous scanning, retrieving, reconstruction, archiving and filming without interruption – genuine multi-tasking system for multi-slice and volumes
- Two powerful reconstruction towers with 4 CPUs and 25 hard drives with RAID 5 controllers
- Consists of user friendly keyboards, mouse, monitors, CPU cabinet and reconstruction enclosures

MegaCool™ V X-ray Tube

The Aquilion ONE is equipped with MegaCool™ V X-ray tube. This compact, high-performance tube was built on the proven anode grounded MegaCool tube technology used on every Aquilion multi-slice CT. MegaCool V is designed specifically to handle the dynamic volume X-ray beam required for Aquilion ONE scanning.

Quantum V Detectors and DAS

- Unique Toshiba ceramic, solid-state detector array and DAS
- Covers organs in 16 cm rotations including brain or heart in a single rotation without any table motion
- ^{SURE}Connect DAS – Ultra-fast DAS to acquire large volume data of detector

IMAGE MANAGEMENT

Aquilion ONE images can be stored on hard disk or DVD and transferred via high performance gigabit Ethernet connection using DICOM 3.0 standards.

DICOM 3.0 (Storage SCU)

- Allows the CT scanner to export images onto a network
- Consists of software only and utilizes pre-existing Ethernet ports on the CT scanner to connect to a coax-Ethernet-based network running TCP-IP communication protocols
- The protocols in the system can be set to automatically transfer images to the network after an exam is complete

Enhanced DICOM

Provides the fastest transfer of Aquilion ONE images to the workstations and storage using the new enhanced multi-frame DICOM standard

Storage and Archiving

- Can be automated with each eXam plan
- Raw data and image data can be protected to prevent deletion from console

Filming

- Auto filming can be set as part of the eXam plan
- Images are displayed in 512x512 or 1024x1024

CUSTOMER CARE SERVICES

Innervision

Remote diagnostics proactively monitor the system to minimize downtime.

Image Maker Express

The Image Maker Express is a marketing support online resource designed exclusively for Toshiba customers that helps you create outreach programs to generate awareness about your imaging services.

- Includes positioning and messaging guides to help you strategize your communications efforts and tactics
- Contains product information, ready-to-use collaterals, and ideas for creating custom materials to promote your new imaging capabilities

Image Maker Express gives you access to:

- Product images
- Clinical images
- PowerPoint presentations
- Sample brochures
- Sample press releases
- Marketing strategy tutorials
- Updates at www.imagemaker.toshiba.com/express

**Offerings may vary per product*

Build demand by:

- Sending a press release
- Developing a strategic plan
- Creating brochures
- Finding tips on effective presentations

APPLICATION TRAINING

Each system includes three phases of education including three weeks of on-site training using a customized approach for dynamic volume imaging.

Phase I: A one-week intensive course on the operation of the scanner

- Conducted at the Toshiba Education Center in Irvine, California
- Two attendance vouchers good for course and travel expenses provided with each system
- Intensive training for two technologists
- One technologist must attend prior to system installation
- The second voucher is valid for six months following installation
- Accredited for continuing education by the ASRT Education Foundation
- Additional vouchers available for \$4,000

Phase II: 64 hours (two weeks) of training that builds on the Phase I training

- On-site at client facility that follows a proven education guideline
- Training for up to four technologists
- Technologist who attends the Phase I course must attend Phase II

Phase III: 32 hours (one week) of follow-up training

- On-site at client facility
- Approximately 8-10 weeks after Phase II training
- Toshiba recommends follow-up training within 6 months of installation for maximum benefit

Performance Pro:

“Performance Pro” is a custom program created to offer a unique approach to education and focuses specifically on achieving technical proficiency and optimal productivity. The program includes the following:

- A planning meeting at your facility with Toshiba’s CT Applications Manager. The purpose of the meeting is to discuss objectives and timing, and to explain Toshiba’s custom approach. During the meeting the manager will also ensure the following takes place:
 - Review Toshiba’s New Customer Education Guide (what to expect and how to plan and prepare).
 - Introduce the Toshiba Three Phase Education Program and the role of the Toshiba Education Center.
 - Co-develop a custom training program based on the facility’s specific needs and ensure it is well documented for execution.
- A specially trained Applications Specialist will be assigned as owner of the education experience for the facility. They will perform the following duties:
 - Participate in planning meetings with the project team to address any training issues in a proactive fashion.
 - Communicate with the facility prior to the turnover date to ensure everything is on track and all questions or concerns are addressed.
 - Ensure all materials (training manuals and learning aids) are on site at the time of the go live date.
- A Quality Installation Checklist developed by Toshiba’s service team and physicists will be used to ensure all system requirements have been met and the scanner is working properly and yielding good image quality.

- A Clinical Evaluation will be conducted by a National Clinical Support specialist prior to the turnover to ensure the system is ready for go live date. They will communicate their approval to the Applications Manager, the assigned Applications Specialist, the Account Executive and Service Team.
- Consistent on-site service support during the turnover.
- The Toshiba Education Center will properly train and prepare the “core trainers” to perform their role with the most advanced education approach in the industry.
- Toshiba will send two Application Specialists to the turnover. One to work with technologists for two consecutive weeks (the assigned Applications Specialist) and the other one to work with physicians for one week to achieve desired image quality.
- At the start of the turnover, Toshiba will begin with a presentation for the staff and referring physicians to highlight system capabilities and generate excitement.
- “Performance Pro” is a blended learning approach and includes prerequisites and additional accredited CE courses for the clinical staff.

A special visit will be conducted by National Clinical Support Specialist 4 to 6 weeks after turnover to check protocols and image quality. They will be available to meet with physicians and technologists to answer all questions.

Additional On-Site Training:

Additional On-site training available for purchase.

Applications support is available by phone on the toll-free ASSIST line.

COMPONENT SUMMARY:

TSX-301A/2D **CT SCANNER AQUILION ONE**

COT-32D **DICOM MODALITY WORKLIST MANAGEMENT (MWM) SERVICE CLASS USER (SCU) SYSTEM**

Allows the CT system to receive patient demographic data from an HIS/RIS system in conformance with the DICOM 3.0 standard.

Note: This option does not include a DICOM gateway for the HIS/RIS system.

COT-33D **DICOM 3 PERFORMED PROCEDURE STEP SCU**

COT-33D (MPPS) is to be used in combination with COT-32D (MWM). MPPS provides examination information back to a RIS that supports DICOM MPPS (SCP). This information consists of notification of the start and end of the examination. Also examination record and patient information can be sent to the RIS.

COT-35D **DICOM 3 QUERY/RETRIEVE SCU AQ/MP**

The Q/R Service Class User (SCU) option allows a device to initiate a request for Patient, Study, Series and/or Image information from the Provider device in accordance with the DICOM 3.0 standard.

COT-41D/2B**DICOM 3 STORAGE COMMITMENT SCU SOFTWARE**

DICOM Storage SCU function is used for the transfer of images reconstructed by the CT system and its function is to inform the CT system of the results of images storage verification at the server after the image transfer.

- Allows operator to determine if data is stored correctly at the PACS server, avoiding unintentional image deletion
- Improves efficiency of image management operations
- Provides fail-safe method to prevent image data from being deleted unintentionally even in the event of a communication failure (during image transfer or during a storage verification response)

Prerequisite: V3 Software

COT-44A/1B**PGP STUDY SPLIT**

Presentation of Grouped Procedures (PGP) and Exam Hard Split

PGP provides preset and automatic transfer solutions for multiple exams from a single CT acquisition. Ideal for facilitating the clinical viewing of images and reporting of individual requested procedures.

PGP is an Integrated Health Enterprise (IHE) standard designed specifically with multiple examination orders (Request Procedures) that can be performed in a single CT acquisition. The PGP feature can be used with PACS systems that are IHE PGP compliant. For PACS systems that are not yet IHE PGP compliant, the Hard Split option can be used to physically split images into separate multiple examinations

Prerequisites: V3 Software.

CT-9102A

ACCESSORY KIT FOR HIGH CAPACITY COUCH

Includes each of the following items:

- Rolled Edge Foot Extension Pad
- Wide & Medium Security Straps
- Chin and Forehead Straps
- Adult Head Rest Pads (Medium and Large)
- Tilt Wedge
- Knee Support Wedge
- Coronal Head Support
- Table Pad
- Protective Table Covers (Box of Four)
- Detachable rail 77"

DCHIS-CT-PHANTM

CT PHANTOM

Measures image quality to ensure compliance to Toshiba standards for:

- High-contrast resolution
- Low-contrast resolution
- Slice thickness
- Noise
- Contrast scale

E31752-CHAIR
(Qty 2)

CHAIR WITH ADJUSTABLE ARMS AND BACK

LM-HB94LU
(Qty 5)

MEDIA FOR DVD-RAM DRIVE (9.4 GB)

9.4 GB Removable Cartridge Media for DVD-RAM Drive.

- Type 4, Double-sided
- 3x Speed

SK-03050-1KD

CONSOLE DESK 65" X 36" X 30"

Measures 65" x 36" x 30"

TNULL9F9M-75 (Qty 2)	SERVICE MODEM CABLE
1559	FLOOR LEVELING EPOXY KIT
SURECARDONES.100	SURECARDIO WITH PHASEXACT FOR AQUILION ONE
CHEG-005A/1B	ECG GATING SCANNING SYSTEM
MODEL-3000T-B	ECG MONITOR, R-WAVE TRIGGER <ul style="list-style-type: none"> • Compact ECG monitor with fast gated trigger output for R-wave synchronization applications • 6.5" Color LCD Display (TFT Active Matrix) • Integrated ECG simulator to test the integrity of the patient cables, lead wires, and electronic circuitry.
CSNP-002A/1B	4-D NEURO PERFUSION PACKAGE INCLUDING SURESUBTRACTION FOR CONSOLE <u>INCLUDES:</u> <ul style="list-style-type: none"> • 4D Brain Perfusion with 16 cm coverage per rotation • SURESubtraction automatic bone removal • SUREPerfusion automated perfusion maps • 4D DSA Whole Brain temporally uniform Digital Subtraction Angiography <u>Dynamic 4-D Brain Perfusion</u> CT perfusion is a fast brain imaging modality for use in the management of patients with various neurological disorders, ranging from acute stroke to subarachnoid hemorrhage. Provides excellent image quality with surface shaded-renderings and volume-rendered 4-D images. Provides zooming and panning over the 4-D surface and performs distance measurements.

Aquilion ONE Neuro includes ^{SURE}Perfusion and ^{SURE}Subtraction. Now acquire, reconstruct, and review whole brain volumes including the arteriogram, venogram, and whole brain perfusion using this totally flexible, comprehensive toolkit.

^{SURE}Subtraction automatically removes bone and other highly attenuating objects from the image resulting in superb images, including even vessels adjacent to or surrounded by bone. ^{SURE}Perfusion adds the unique benefit of whole brain perfusion imaging, something no conventional multi-slice CT offers.

All these examinations can be obtained with a single dynamic acquisition and a single injection of contrast material making Aquilion ONE fast, accurate, and simple to use. Beyond the enhanced clinical diagnosis that can be realized by a perfectly timed arteriogram and venogram, the data can also be displayed for the first time as a whole brain CT digital subtraction angiography data set and a temporally uniform whole-brain perfusion study.

^{SURE}Subtraction - neurovascular CT digital subtraction angiography (CT DSA) software enhances diagnostic accuracy through greater image clarity and improves workflow. The software automates digital subtraction of the intra- and extra-cranial vessels from bone, providing superior clinical images in a fraction of the time of manual subtraction.

Enhanced Diagnostics

- Subtraction volume is completely free of bone, providing unsurpassed subtraction CTA studies of the brain
- Automatic detection of superior sagittal sinus
- More easily achieves arterial and venous segmentation
- In just seconds, creates 3DVR and MIP images with 360° left-to-right and head-over-heels tumble views

Enhanced Workflow

- Less than 5 minutes to load, process and display images
- Automated on-console imaging of cerebral blood flow, cerebral blood volume, and time-to-peak or mean transit time.
- Subtracted dataset is still in DICOM format
- Maximize productivity with programmable features
- Streamline patient throughput with a simple 3-step process

VRDU/TIC/BATT

BATTERY CABINET FOR ANY TIC VRDU

VRDU/TIC/480RSP

VRDU 480V INPUT / OUTPUT WITH REMOTE STATUS ALARM PANEL

VRDU with Remote Status Alarm Panel. The VRDU is engineered to address the vast majority of common power problems found in the hospital environment, thus providing clean power and good grounding for optimal reliability and performance of CT systems. Remote Status Alarm Panel Wall-mount with 120-VAC power supply adapter with battery back-up using internal batteries. Hard-wired with internal power supply.

VRDU/TIC/480RSP VRDU with Remote Status Alarm Panel (Includes startup) <<Non-discountable Item>>

NOTE: Frontline must make arrangements 14 days prior to installation for TIC on-site startup.

MZ050010004010199
(Qty 5)

VITREA ENTERPRISE SUITE (VES) PER VITAL IMAGES, INC.
QUOTATION # 10480-00003241.A

Concurrent User Package, Includes:
- Vital Management System (VIMS)
- Vitrea Advanced
- SQL 2008

VES Software Applications:
CT Cardiac Coronary
CT Cardiac Calcium Score

CT Aorta
CT General Carotid
CT Renal
CT Runoff
CT Circle of Willis
CT Cardiac Functional Analysis
CT Cardiac EP Planning
CT EndoVascular Stent Planning (EVSP)
CT Lung Nodule
CT Brain Perfusion
CT Larynx Airway
CT Musculoskeletal
MR Brain Tumor
MR Abdominal
MR Vascular
CT Colon

**SPECIAL VSN 3 STANDARDIZATION MULTI-UNIT
PRICE:**

OPTIONS

AMS-2-OC/EDA-IS

ACIST MEDICAL SYSTEMS - EMPOWERCTA INJECTOR, CEILING MOUNT, EDA AND INJECTOR SYNCHRONIZATION

add

Ceiling mounted EmpowerCTA injector system with Extravasation Detection and Injector Synchronization

EmpowerCTA injector

Key features:

- Double Barrel Injector Head with Controller
- Touch Screen Remote Control with Desktop Mounting System
- All system parameters may be reviewed, and the system armed, at the injector, with the head tilted in either direction.
- Pressure readings are displayed at the injector head and at the remote control, so the technologist can monitor as necessary.
- Flow rates ranging from 0.1 to 10 mL/sec may be manipulated while the procedure is in progress

Extravasation Detection.

Acist's patented EDA (Extravasation Detection Accessory) is an aid in the detection of extravasations which helps radiologists realize the full potential of high scanning speeds, confident that their good technique is backed by leading-edge technology.

Key features:

- EDA monitors skin impedance
- Alerts the operator and pauses the procedure when it detects clinically significant contrast extravasation (20 mL) under the EDA patch.

Injector Synchronization

The Injector Synchronization, EmpowerSync, interface enables communication with the Aquilion CT by using CAN Protocol level 1.

Key features:

- Improve contrast timing and optimize workflow
- Synchronized start improves control of contrast enhancement
- Simplified operation enables single operator workflow

Enhance Safety:

- One-button on either the scanner or injector starts and stops the sync protocol (provides stop message at console when stopped at injector)
- Technologist can remain at the patient's side

Note: Injector comes with the EmpowerSync "ready" interface for the injector only.

Injector synchronization feature can only be activated with installation of optionally purchased #AQ-SYNC/INJECT for the Aquilion CT

MCT-SCT-222-IS

MEDRAD STELLANT® D OCS DUAL FLOW INJECTOR WITH INJECTOR SYNCHRONIZATION

add

Ceiling mounted Stellant D CT injector with Injector Synchronization is a full-featured, dual syringe injection system that enables clinicians to perform the most critical contrast enhanced CT exams.

Stellant D CT injector

Key features:

- Dual-syringe design for the most complicated protocols such as CTA and cardiac CT
- Effective contrast utilization
- Saline test injection for more precise control of contrast delivery
- Saline flush, following the injection, chases contrast from peripheral veins directly into the heart

Dual Flow Injection

Key features:

- Designed with CTA exams and Cardiac CT
- Effective contrast utilization
- Inject contrast and saline at a measured ratio through simultaneous plunger motion.
- This means a more uniform enhancement of both the right and left sides of the heart with reduced artifacts.

Injector Synchronization

The MEDRAD I-Flow Injector Synchronization, ISI -800 Interface kit, enables communication with the Aquilion CT by using CAN Protocol level 1.

Key features:

- Improve contrast timing and optimize workflow
- Synchronized start improves control of contrast enhancement
- Simplified operation enables single operator workflow

Enhance Safety:

- One-button on either the scanner or injector starts and stops the sync protocol (provides stop message at console when stopped at injector)
- Technologist can remain at the patient's side

Note: Injector comes with the I-Flow Injector Synchronization interface for the injector only.

Injector synchronization feature can only be activated with installation of optionally purchased #AQ-SYNC/INJECT for the Aquilion CT

Prerequisite: V3 software with SYNC Inject software (#AQ-SYNC/INJECT)

ADDENDUM

THIS QUOTATION INCLUDES THE TRADE-IN OF YOUR AQUILION 16 CT SCANNER. OFFER IS VALID THROUGH JUNE 20, 2012. IF THE REMOVAL IS DELAYED DUE TO NO FAULT OF TOSHIBA OR IF THE EQUIPMENT IS DAMAGED OR ITS CONDITION DETERIORATES FROM THE DATE OF THIS QUOTATION THROUGH THE DATE OF REMOVAL, TOSHIBA RESERVES THE RIGHT TO INCREASE THE PRICE OF YOUR EQUIPMENT. CUSTOMER MUST CONVEY FREE AND CLEAR TITLE TO THE EQUIPMENT. IF THERE ARE ANY LIENS OR ENCUMBRANCES ON THE EQUIPMENT, TOSHIBA WILL NOT ACCEPT THE TRADE-IN.