

REQUISITION: 612-B76015
 EQUESTING SERVICE: DIAGNOSTIC RADIOLOGY SVC
 SHIP TO: MATHER VA
 V.A. Medical Center
 WAREHOUSE - BLDG.652
 10535 HOSPITAL WAY
 MATHER, CA 95655

| Qty | Description |
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| | <p>Konica Minolta KDR Advanced U-Arm Package</p> <p>The Konica Minolta KDR-AU System proves to raise the bar on DR systems in the marketplace. With Cesium technology, images have never looked this good!</p> <p>The Konica Minolta KDR-AU is a floor-mounted system that fits 8-foot ceilings, which allows for more flexibility for installation. It runs on the advanced Ultra Software using a 17"x17" Cesium (CSI) detector for optimal coverage and image quality. With preprogramed positions and dual console, KDR-AU Uarm allows for reduced steps and faster exam time. The console at the system runs off the same Ultra software and allows the technologist to accept and reject images as well as confirming and reviewing patients and even adding patients to the worklist on the fly. The panel enclosure is smaller than other stands on the market, making anatomy positioning easier and more efficiently using the space. The stand lowers to under a foot to ease the process of imaging unsteady patients. The stand is able to perform automatic stitching and can use the three-knob collimator for additional control over the imaging area.</p> <ul style="list-style-type: none"> · Floor Mounted U-ARM · Auto positioning · Ultra software · 17"x17" detector · Fits into 8' ceiling space · Wide range of motion · Touchscreen at Tube head mirrors Console Control <p>System Specifications</p> <p>Motorized Swivel Arm with Flat Panel Cabinet</p> <ul style="list-style-type: none"> • Floor-to-wall mounted support with fully motorized "U" arm for all movements full (Dual Speed) enabling effortless and accurate settings • Electromagnetic brakes for all movements <p>Easy Positioning and User-Friendliness</p> <ul style="list-style-type: none"> • Positioning control for all movements is available from the tube/collimator head, enabling control of SID, system height, angulations for the swivel arm and detector, |

and also two automatic positioning buttons for chest and under table positioning.

- Positioning Movements Controls are duplicated on the flat panel detector cabinet, allowing easy control of the system from the patient side.
- Unlimited programs are available for auto positioning of the most common studies from the flat panel LCD 10" color control display located on the stand. This enables positioning with the push of a single button after selection of the program while with the patient.
- The system (via the 10" flat display) is able to control generator exposure parameters, enabling presetting or modification of parameters by the technician at patient-side before going outside to make the exposure.
- Auto-Positioning - This function could be the most user friendly and practical of all. As the digital imaging system is fully integrated with the URS system, preprogrammed anatomical (APR) exposure techniques are synchronized with the system stand, meaning the system will move to the corresponding position required for your study. The generator operator control console APR has been pre-programmed with the exposure parameters for various common types of study (kVp, mA, mAs and time) and also with the mechanical position (SID, Angulations of arm and detector, height of system and even collimation in case of having autocollimator) for each study, enabling auto positioning of the system with a single button. Of course, operator preferences can be reprogrammed for specific user needs, studies, and convenience.
- Remote Control for most system movements, such as SID, angulations of arm and detector, height of the system and even the collimator blades. This enables positioning of the system from inside or outside of the room and allows the user more flexibility of movement and efficiency.

6 Redundant Security Systems

- Volumetric control depending on the characteristics of the room, in order to avoid possible collisions during the system positioning.
- Anti-collision pressure sensor during the movement of the system, along the Swivel portion of the arm.
- Double Photocell system :
- One at the Start of the "U" arm area which automatically changes the speed of the system to "slow motion", which reduces the risk of harm to the patient when they are positioned inside the arm arch.
- The second is located close to the end of the "U" arm area and serves to automatically "block" the system to avoid any harm or fear to the patient.
- The Detector Bumper, located on the bottom of the detector cabinet, works when the system is moving down and makes contact with an object. The system not only breaks in a controlled and responsive fashion, but also retracts from the object point to release any possible pressure created by the initial contact.
- "Parachute System": The system has a sensor to control the tension of the steel cable that moves the system up and down. If this sensor detects a pre-determined reduction in required tension, a mechanical stop is activated to block the system from a "free fall" mode even in the unforeseen event of a complete breaking of the steel cable.
- The Emergency Brake located on the side of the Detector Cabinet enables full "blocking" of the system should a manual shutdown be desired by the Operator.

Mechanical Movements

- Variable SID distance, adjustable between 39.4 to 70.9".
- Manual rotation of the x-ray tube +/- 180, with detents every 45 degrees
- Swivel arm range of rotation: 150, with detents on -30, 0, 90, 120 degrees.
- Swivel arm vertical movement: 50.8".
- Minimum floor to detector center distance: 15.75".
- Motorized Detector Angulations: +45/-45 degrees
- Electromagnetic brakes for all movements
- Dimensions (H x W x D): 104.3" x 83.1" x 64.4".

Collimator

3 Knob Manual collimator with LED centering bucky light, timer and meter, rotation +/-90° two isometric shutters (3 knobs) Viztek DR Systems feature the exclusive

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| | <p>three blade collimator allowing for precision imaging.</p> <ul style="list-style-type: none"> -Allows for light field to be controlled at both ends of the detector -Reduces unnecessary dose and scatter -Generates a region of interest for imaging within the light field creating added image control -Collimator light can be turned on from the control room with the exposure switch -The three blade collimator is ideal for facilities seeking to reduce scatter and over saturation of DR detectors, particularly pediatric imaging facilities. |
| | <p>High Tension Cables (2) 9 meters Ultra Flexible High Tension Cables</p> |
| | <p>X-Ray Tube, 400HU</p> <ul style="list-style-type: none"> • Maximum Tension, 150 kVp • Focus sizes: • Small focus 0.6 mm (0.023") • Large focus 1.2 mm (0.047") • Maximum power: • Small focus 40 KW • Large focus 102 KW • Maximum Current • Small focus 500 mA • Large focus 1000 mA • Anode degree target angle 12 degrees • Anode heat capacity 400,000 HU • Dissipation anode heat capacity 99,840 HU/min • Housing heat capacity 1,207,000 HU • Dissipation housing heat capacity 11,000 HU/min • Anode rotation 3,000/9,700 RPM • Anode composition Rhenium, Tungsten and face Molybdenum • Anode diameter 3.9" • Filtration equivalent 0.028" AL |
| | <p>AEC Control of the Automatic Exposure Control for quantity one, 3-field Ion Chamber, and AEC Generator Control Board</p> <ul style="list-style-type: none"> - Operating mode: 0, 2 or 4 points - Zero point with anatomical program APR. Automatic selection of the programmed radiographic parameters (kVp, mAs, working station, AEC, Focal Spot, according with patient size and anatomical area selected) - Two Points: kVp and mAs - Three Points: kVp, mA and time |
| | <p>GRID-K1882040 18x18 8:1/215/40-72" grid</p> |
| | <p>Standard Radiographic Moving Table</p> <ul style="list-style-type: none"> • Radiographic moving table with brakes in four wheels; laminated structures of high compression; patient capacity of 440 lbs.; Length - 78.7 in.; Width - 25.6 in.; Height - 27.6in. • 4 Independent locking casters |
| | <p>64KW Generator SHF645 64kW/150kV</p> <ul style="list-style-type: none"> • High Frequency 25KHz, 1 tube operation • Three phase 380 or 480 VAC (specify prior to order) • Output power : • 640 mA @ 78kVp • 500 mA @ 100kVp • 400 mA @ 125 kVp • 320 mA @ 150 kVp |

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| | <ul style="list-style-type: none"> • Automatic line compensation +/-10% • Microprocessor controlled with auto diagnostic and error code indication for easy maintenance • Five working station capacity • X-ray tube overload protection • X-ray tube H.U. available indication and continuous monitoring for x-ray tube protection • Control of x-ray tube number of exposures • Hand switch for preparation and exposure control • Light and sound indication for x-ray exposure • kVp Radiographic range, from 40 to 150 kVp in 1 kVp step-mA Radiographic range from 10 to 640mA in 19 step, Renard scale 10,12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400,500 and 640 mA • mAs range from 0.1 to 500 mAs in 38 steps, Renard scale • Exposure time range from 0.001 to 10 seconds |
| | <p>Konica Minolta 17x17 KDR Panel and PC Panel Specifications:</p> <p>Konica Minolta AeroDR 1717 Panel Ideal for Enterprise, and all dose efficient settings, this AeroDR configuration combines our large field17x17" HQ FPD with our Software configuration to deliver the maximum potential for providers to help improve dose efficiency and increase image quality through a robust enterprise caliber user interface which includes Modality worklist, Hybrid Premium Processing Algorithms, and Procedure Code Mapping. 17 x 17 accommodates wider field examinations while also improving workflow by reducing the time to reposition the panel in many examinations. 17 X 17 INCH TYPE FLAT PANEL DETECTOR <i>BASED ON AMORPHOUS SILICON (A-SI) SCINTILLATOR</i> CSI (CESIUM IODIDE)</p> <ul style="list-style-type: none"> • PIXEL SIZE: 175M 175M • 2,430 X 2,434 (5.9 MILLION PIXELS) • DYNAMIC RANGE 4 DIGITS • DIMS: 18.1 X 18.1 X .6 INCHES <p>SOFTWARE/ HARDWARE SPECIFICATIONS System Computer Specs (or better)</p> <ul style="list-style-type: none"> • DELL Precision Tower 3420 • Windows 7 OS • 6th Gen Intel(R) Core(TM) i5-6500 (Quad Core 3.2GHz, 3.6GHz Turbo, 6MB, w/ HD Graphics 530) • 8GB (1x8GB) 2133MHz DDR4 Non-ECC • 1TB 2.5inch SATA (7,200 Rpm) Hard Drive • Display Monitor: • 19" Touchscreen monitor • Resolution 1280 X 1024; 8000:1 Ratio |
| 1 | <p>Ultra Software Acquisition workflow management</p> <ul style="list-style-type: none"> • Automatic setting of acquisition parameters according to body part and system specific programmable APRs (Anatomically Programmed Radiography) • One console operation - generator parameters setting by the workstation as part of APR • Patient data entry, manually or automatically from the DICOM worklist (MWL optional) • Urgent patient registration • Preview image typically within 4-5 seconds after exposure • Exam specific image processing for optimized image quality • Automatic backup of operator accepted images. <p>Review & Processing</p> <ul style="list-style-type: none"> • Patient review |

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| | <ul style="list-style-type: none"> • CD Burning • Exam foldering • Ability to add body part or view during an exam • Touch screen post processing • Assign single or multiple technologist(s) to an exam • Add additional views and/or studies to a completed exam • Ability to suspend an exam • Built-in technique and positioning chart • Variable image rotation • Window/Level, Reverse Black/White (Window polarity inversion) • Electronic zoom with pan & scroll capabilities • Touchscreen zoom, pan, window/level and contrast capability <p>Magnifying glass</p> <ul style="list-style-type: none"> • Multi-scale contrast enhancement and Dynamic Range • Electronic shutter for masking of image(cropping) • Multiformat display(for printing) |
| 1 | Auto stitching with Viztek's Acquisition Software-Allows automatic alignment and overlap of multiple images. Supports stitching of up to 6 images. |
| 1 | Stitching Stand with Handles |
| 1 | Weight Bearing Stand Height 10 inches, 24 inches wide, 35 inches Long, weight limit 440 lbs |
| 2 | Onsite DR Applications Training- 2 Days (includes travel) |