

Refurbished GE RF Systems



Your Partner In Imaging

EDI Refurbishing Process R/F Systems

All EDI Refurbished RF Systems go through a stringent Four Phase process to give it that like-new appearance and like-new functionality. EDI provides 80/20 refurbished RF systems, all with new CPI high frequency generators. That is, 80 percent of the product is new components replaced by EDI engineers and 20% is original components. New digital fluoroscopy systems are available as well.

Our extensive process and after the sale technical support is what separates EDI from others. EDI considers every order a partnership between EDI, the dealer, and the end user. Our goal is to provide a quality solution for your fluoroscopic imaging needs. You can be assured an EDI refurbished R/F system will deliver the results you can depend on.



CPI Touch Screen



New Digital Systems



Phase One: The first phase is a complete disassembly of the major components

- Table stripped apart to the basic shell
- Spot filmer stripped apart to the basic shell
- Overhead Tube Crane stripped down to its component telescopic parts and the bearings and bearing guides removed
- Radiographic and fluoroscopic collimators disassembled
- Overhead Bridge for Tube Crane taken apart and bearing tracks replaced
- Longitudinal Rails cleaned and new bearing tracks installed
- Chest receptor taken apart and frames sent for painting
- This overall process includes removal of every motor, bearing, rail, low voltage cable, high voltage cable, wire rope counter weight cable, to every nut and bolt

Phase Two: All metal components, (table shell, and other component shells) are sent to the prep and paint area for a sanding and painting process and any machining or welding

- Then a three part paint process which includes OEM type paint and finish

Phase Three: All painted components are returned to a staging area where the reassembly process begins.

- Every piece of hardware is replaced with new hardware
- Every flex cable is replaced with new flex cables
- Safety cables are replaced with a new factory safety cable
- Safety FMI's are installed
- Every low voltage cable is replaced with new low voltage cables
- Non load-bearing bearings are cleaned and inspected, and replaced if required
- Load-bearing bearings are tested and replaced as needed
- Motors are tested for operational criteria and replaced as needed
- Spot filmer motors are tested and replaced as necessary
- Potentiometers are tested and replaced as necessary
- Spot filmers are re-strung with new cabling
- Collimators are completely rebuilt and restrung for OEM specification operability
- Detents are installed and tested

Phase Four: After the mechanical rebuilding and parts replacement is completed the system is fully assembled for a system compatibility prestaging.

- It is at this time that the RF system is set up and run just as it is in the hospital or clinic it will be shipped to
- Digital Spot Platforms are installed per order specifications

- During this phase of the refurbishing process EDI will take hundreds of exposures calibrating the many different areas of an RF system
- Fluoroscopic function is tested
- Digital acquisition devices installed and calibrated per order requirements
- Radiographic exposures, kVp and Ma stations are tested for compliance to the OEM specifications
- Light to x-ray on the collimators
- Radiation leakage on the collimators
- Table top movement
- Electric locks and detents are tested and replaced as necessary
- Calibration includes but not limited to:
 - kVp testing to OEM specs
 - mA testing to OEM specs
- Filtration Checks in the collimators
- Image sizing
- Image focus
- linearity
- Auto brightness tracking
- System prestaging is so complete that when EDI completes the pre-stage process the system would meet the rigorous pre-patient use acceptance testing of a medical physicist
- The EDI process assures all systems have the same high quality results. It is not uncommon for end users to state "It looks brand new!"



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