

Remanufactured GE RF Systems



Your Partner In Imaging

EDI Remanufacturing Process R/F Systems

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

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 remanufactured R/F system will deliver the results you can depend on.



CPI Touch Screen



Infimed/CMT Digital



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 striped 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 a 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 remanufacturing process EDI will take hundreds of exposures calibrating the many different areas of an RF system
- Fluoroscopic function
- 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 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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