

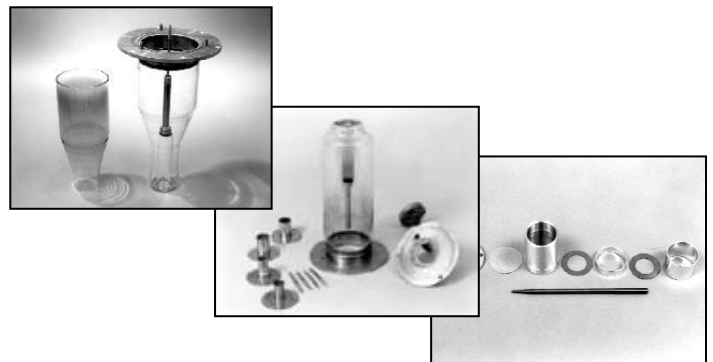
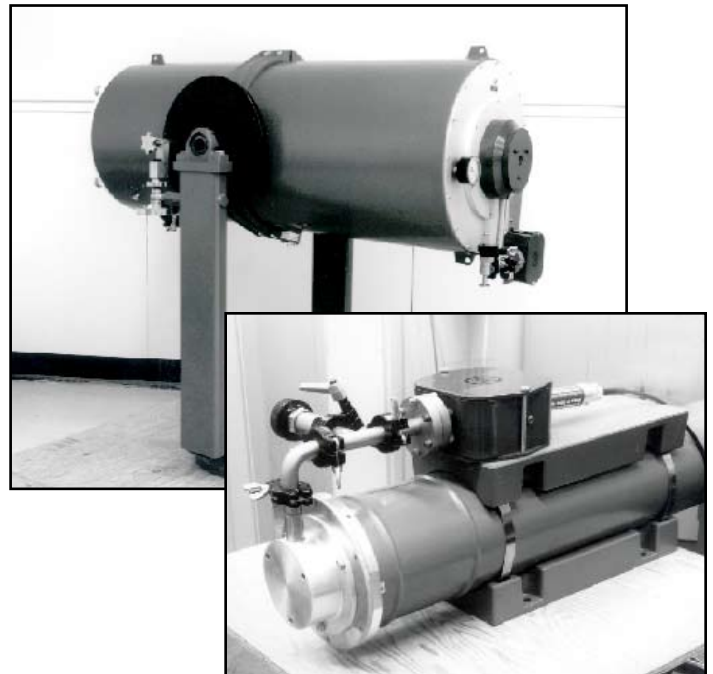
Pulserad™

DEMOUNTABLE X-RAY TUBE SYSTEMS

1 MeV
450 kV
300 kV

GENERAL INFORMATION

The Pulserad™ demountable X-ray tube system was designed with the serious researcher in mind. This special option is most effective when high resolution radiographs are required. Smaller spot size provides better image sharpness when source-to-object distance is less than 12 feet and object-to-film distance is a factor. The Pulserad™ demountable system can be configured to operate tube-in-pulsor or in remote tube head configuration. The Pulserad™ demountable system works with current L-3 Communications Pulse Sciences Flash X-ray systems and all existing Fexatron and HP systems in operation world wide. Since the demountable tube option is a plug and play design, the operator can quickly convert the pulser or the remote tubehead back to a standard L-3 Pulse Sciences sealed tube. This special option is available for the 300kV, 450kV, and 1 MeV systems.



Optional mobile integrated vacuum pump station includes:

1. Automated pump down control
2. Vacuum fore pump
3. Turbo pump
4. Vacuum thermocouple & cold cathode gauge
5. Vapor exhaust filter

Turbo pump station can be used to pump down demountable tube assembly for laboratory use and quick anode changes. This unit may also be used for field operated demountable tube pulser outfitted with an ion pump. Use to quickly pump down to the operating vacuum level, valve off and remove, and allow ion pump to maintain testing vacuum in the field.

Standard demountable X-ray tube assembly kits:

The demountable x-ray tubes are supplied with the standard 5mm focal spot anode/cathode hardware. Replacement/refurbishment anode/cathode kits are available in focal spot sizes of:

- **1mm**—Where maximum resolution radiographs justify frequent kit replacement.
- **2mm**—Where greater anode/cathode life is gained at the expense of radiographic resolution.
- **3mm**—Where even greater anode/cathode life is gained at the expense of radiographic resolution.
- **5mm**—Where minimum resolution radiographs allow the maximum anode/cathode life.

