

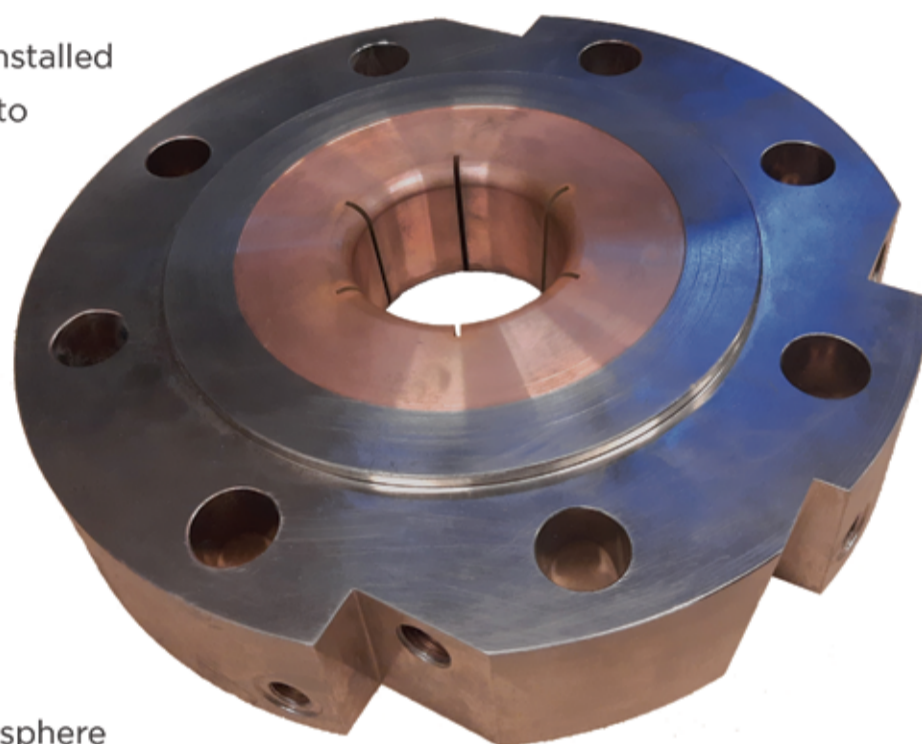
We repair, maintain, and improve electron accelerators

BULLETIN #08
November 2024

This **NEW aperture** design is made entirely in copper, preventing water leaks and providing accurate temperature measurement

This fully compatible aperture feature is designed to be installed in the beam line of your accelerator, using thermistors to measure temperature on 6 segments around the electron beam axis. It acts as a **beam centering and monitoring** device.

The **aperture** is an effective tool simplifying the setting of optical adjustments for your beam line. It can be installed to replace existing apertures as a drop-in equivalent, or as a new device on any beam lines.



- Features**
- Water cooled
 - Surface treated to resist ambient ozone atmosphere
 - 7 thermistors measuring temperatures (6 segments + 1 reference)
 - Connected to PLC for temperature monitoring and display

- Advantages**
- Single part
 - 100% drop in equivalent
 - Compatible with existing beam line
 - Existing thermistors can be installed on it
 - Temperature threshold can be set to trigger an alarm

Contact our experts
for technical information
and quotation

SERVICES

- Maintenance of your accelerator
- Engineering projects (R&D)
- Audit and expertise
- Feasibility & Market study
- Radiation simulations (Monte Carlo)
- Dosimetry
- Installation
- Moving & Dismantling
- Upgrades & Repair
- Software development
- Process optimisation
- Hotline 24/7
- Technical support
- Spare parts
- On-site training

SPARE PARTS

MSE supplies components and parts for accelerators, including hardly accessible or **obsolete** items



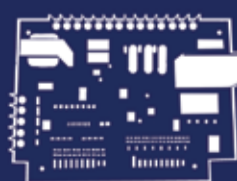
SCAN AMPLIFIERS

NEW design: powerfull, reliable, fully compatible with old model



OSCILLATOR TUBES

Triodes 75kW, 150kW, 225kW and 375kW
-> 150 KW old model is available



SCR FAULT BOARD

NEW design : dedicated signals Inputs and Outputs, fully compatible (plug & play)



RECTIFIER STACKS

Withstand 50k VDC reverse voltage

And more upon request