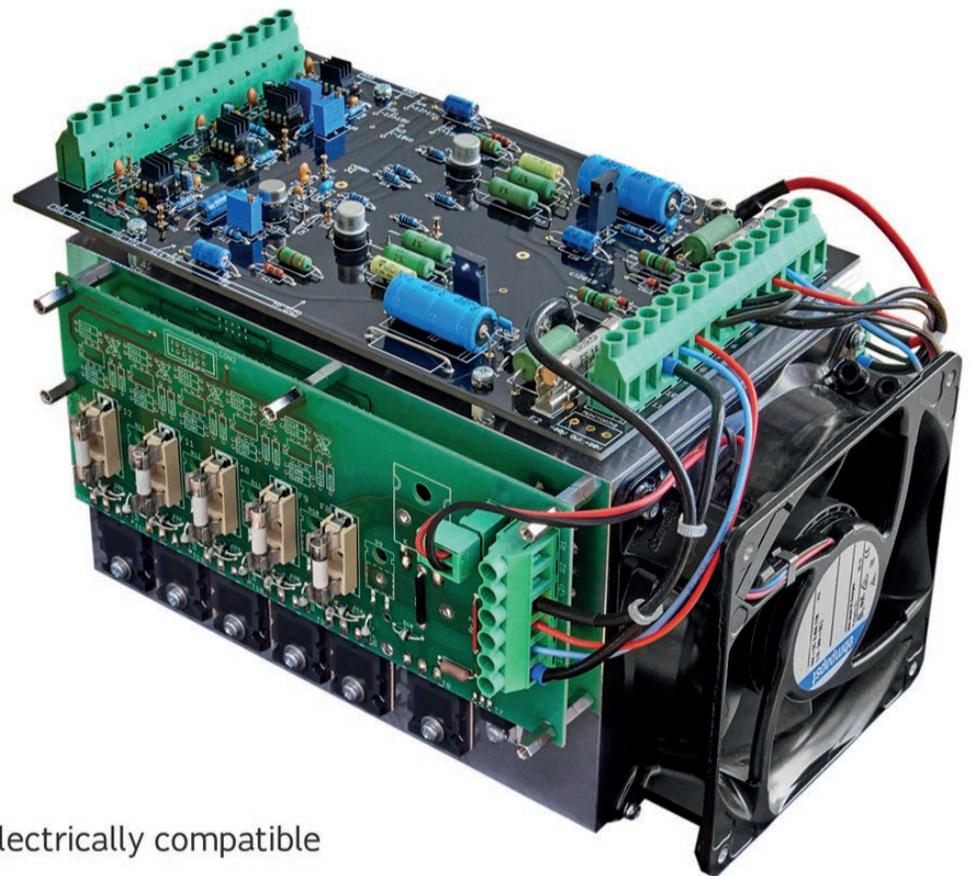


# We repair, maintain, and improve electron accelerators

This NEW SCAN AMPLIFIER sets new standards for industrial use: improved **reliability**, advanced **troubleshooting** and components real time **monitoring**

This fully compatible new scan amplifier forms a proven and reliable technical solution. It eventually introduces the real time monitoring of the transistors through a simple and effective incorporated supervision of electronic components, while connecting to your accelerator's control system or to a provided dedicated LCD screen.

The powerful unit eases troubleshooting in the event of failure and allows to keep the scan running in degraded mode while ensuring the full current capability. With this device, it is possible to schedule a repair intervention to reduce your accelerator production downtime.



## Advantages

- Interchangeability : Fully electrically compatible
- Output Current : Continuous 20 Amps p-p, tested at 32 Amps p-p
- Power Supply : +/-80VDC, +/-15VDC, +24VDC (fan)
- Monitoring : Each transistor's protection fuse is monitored in real time

## SERVICES

- Maintenance of your accelerator
- Engineering projects
- Research & Development
- Electronic components repairing
- Dosimetry
- Installation
- Upgrades
- Training
- Process optimisation
- Hotline 24/7
- Technical support
- Spare parts

## SPARE PARTS

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



### RECTIFIER STACKS

Withstand 50K VDC reverse voltage  
rectifier stack



### OSCILLATOR TUBES

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



### TITANIUM FOILS & ALUMINUM SEALS

Window foils & metallic seals available  
for all types of scan horn

And more upon request