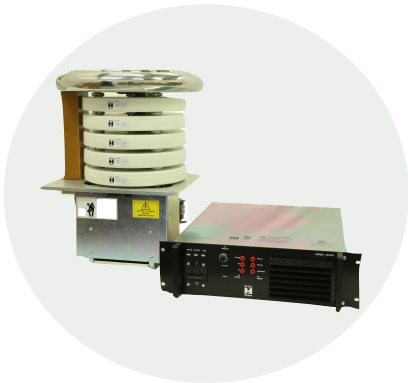


HiTek® OL6000 / OL8000 / OLH10K POWER SUPPLIES



OL6000 / OL8000 / OLH10K series are a range of high voltage power supply systems designed for ion and electron beam systems.

Those systems, based on a high performance rack mounted power converter and the HV unit (disks stack), have been implemented on several AMAT®, Varian® and Axcelis® implanters.

As the leading service supplier for High Voltage Power Supplies, Global Technologies has developed the technical expertise to repair, rebuild and test OL series to original

To manage minimum production downtime, Global Technologies hold critical parts in stock and proposes emergency repair service (48 H).

| HiTek® OL Model | | | Output Voltage |
|-----------------|------------|------------|----------------|
| OL6000/603 | - | OLH10K-603 | 60kV |
| OL6000/803 | OL8000/803 | OLH10K-803 | 80kV |
| OL6000/104 | OL8000/104 | OLH10K-104 | 100kV |
| OL6000/124 | OL8000/124 | OLH10K-124 | 120kV |
| OL6000/144 | OL8000/144 | OLH10K-144 | 140kV |
| OL6000/164 | OL8000/164 | OLH10K-164 | 160kV |
| OL6000/184 | OL8000/184 | OLH10K-184 | 180kV |
| OL6000/204 | OL8000/204 | OLH10K-204 | 200kV |

Stack and driver are fully inspected, repaired and tested to OEM specifications

Incoming Inspection

- Power connectors
- Transformer (primary & secondary)
- Capacitor and filter
- HV multiplier disks
- Harness visual inspection
- Input stage
- Main and auxiliary inverters
- Cooling fans

Repair Process

- Full disassembly of HV stack
- Replacement of damaged / out of tolerance parts
- Preventive replacement of critical components
- PCB's check
- Fans replacement
- Cleaning and reassembling

Final Control

- Zero load test
- Full load test (max output power)
- Stability and ripple control
- Transient control
- Temperature control
- Trip operation
- Calibration
- Labelling and report

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