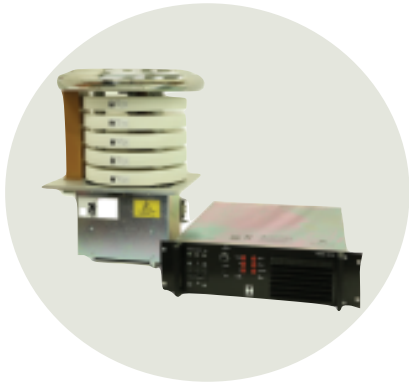


HiTek® OL6000 / OL8000 / OLH10K POWER SUPPLIES



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

I ncoming Inspection

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

R epair 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

F inal 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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