

Remote Plasma Sources

Equivalent to New Refurbishment Program



MKS offers an Equivalent to New (ETN) Remote Plasma Source Refurbishment Program for deposition and etch chamber clean processes for Semiconductor and other critical thin film applications. MKS' ASTRON® and Paragon® remote plasma sources are critical subcomponents for deposition and etch chamber clean processes, removing process by-product build-up from chamber walls, increasing the life of a process tool and reducing the source of thin film contamination.

Performed by MKS factory-trained technicians and using refurbishment and test processes developed by the original product design engineers, MKS' certified refurbishment program extends the life of your process tool and minimizes disruption to your existing process. Trust the original manufacturer to guarantee your ASTRON and Paragon remote plasma sources operate at peak performance, ensuring you get the most value from your high capital investment dollars.

Scope of Work

While there are design differences between all the MKS remote plasma source models, the primary scope of work includes:

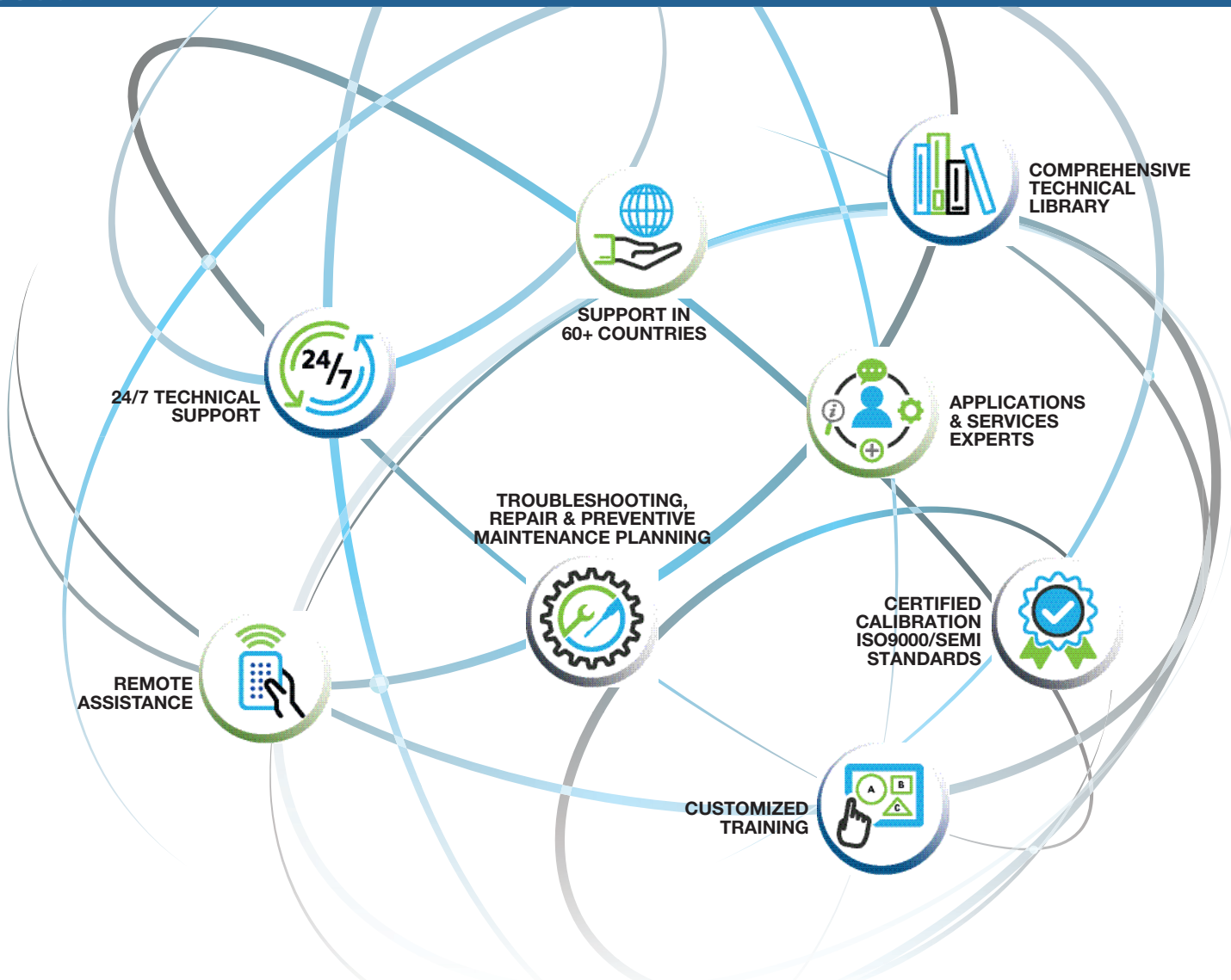
- Proactive replacement of the electronic circuit boards defined by the corresponding bill of materials with new, original MKS parts
- The covered electronic circuit boards include:
 - Power
 - Control
 - Fuse
 - Ignition
 - Boost (when applicable)
- Install new plasma blocks and transformer per the bill of materials of the particular model
- Incorporate applicable Service Bulletins and software upgrades
- Repair other problems found
- Thorough testing on an MKS-designed test stand, following the most current manufacturing processes and procedures
- Comprehensive test report



Our Commitment

MKS' highly skilled engineers and technicians understand your needs and ensure your success by keeping your equipment up and running at peak performance.

- Only MKS sourced parts used for all repairs
- MKS factory-trained technicians use current, proven methods and techniques
- All repairs tested to MKS manufacturing specifications
- 1-year warranty (excluding consumable plasma blocks)



Qualifying Products

MKS offers comprehensive refurbishment services to improve the reliability and longevity of the following Remote Plasma Source models:

- ASTRON[®]2L Reactive Gas Generator
- ASTRON[®]ex Reactive Gas Generator
- ASTRON[®]i Reactive Gas Generator
- Paragon[®] Remote Plasma Source



ASTRON[®]2L



ASTRON[®]ex



ASTRON[®]i



Paragon