

# Global Service

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## Refurbishment Program

### ASTRON® REMOTE PLASMA SOURCE

MKS understands the importance of getting the highest return from your initial capital investment in process tools. Customers in the semiconductor industry tell us that the ASTRON® remote plasma source remains a critical subcomponent for etch and deposition chamber clean processes. Safeguard your investment in MKS ASTRON 2L, ASTRONi, and ASTRONex products with our certified Refurbishment Program.

MKS factory-certified technicians complete a comprehensive refurbishment and test process developed by the original product design engineers. Trust the original manufacturer to ensure that your ASTRON products are operating at their peak performance, extending the life of your process tools and minimizing any disruption to your existing processes. Trust MKS.

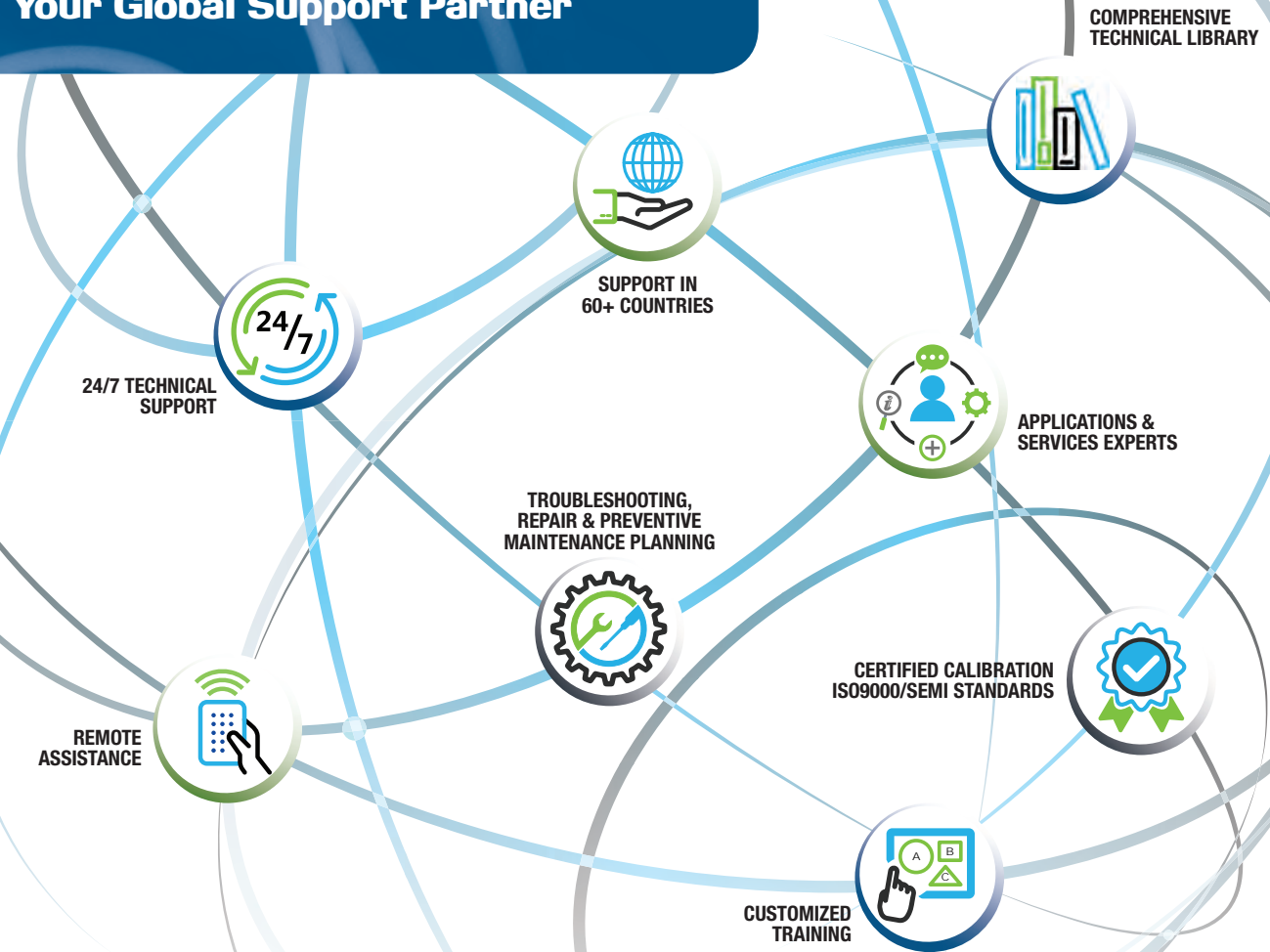
### Scope of Work

While there are design differences between the ASTRON 2L, i and ex models, the primary scope of work consists of:

- Proactively replace 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
- Thorough testing on an MKS-designed test stand, following the most current manufacturing processes and procedures
- Comprehensive test report



# Your Global Support Partner



## Our Commitment

MKS highly skilled engineers and technicians who understand your process and requirements keep your equipment up and running—ensuring your success.

- Only MKS original parts used for all repairs
- Trained technicians use current, proven methods and techniques
- All repairs qualified on an MKS-designed test stand
- 1-year warranty (excluding consumable blocks)

## Qualifying Products

MKS offers comprehensive refurbishment services to improve the reliability and longevity of the following ASTRON models:



ASTRON2L



ASTRONex



ASTRONi



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