

REMOTE PLASMA SOURCES (RPS)

"BETTER THAN ORIGINAL" REFURBISHMENT

Lifetime Extension combined with Reliability and stable Processes

SFI provides high level refurbishment for Remote Plasma Sources (RPS) – fab-ready performance – full Warranty coverage.

The full refurbishment of 2 Liter "NPP – RPS" units from a leading Korean manufacturer, installed at AMAT CVD tools, marks another milestone in further enhancing our service offering.



RPS Generator Models at a Glance:

Manufacturer	Models and Series		Applications	OEM
MKS	AX 76XX-XX ASTRON (i) ASTRON ex 2 – 3 – 6 Liter	0920-00013 / 0190-41326 / 0190-26744 / 0920-00131 / 0920-00057	CVD / PVD	AMAT PRODUCER - CENTURA - ENDURA LAM / NOVELLUS - SPTS
MKS	PARAGON	AX-77100	CVD / ALD / ALE	AMAT PRODUCER - CENTURA - ENDURA LAM / NOVELLUS - SPTS
MKS	R*EVOLUTION	AX 769X	ASH	AMAT – LAM – TEL - ULVAC
AMAT / NPP	2 Liter RPS	0190-84460	CVD / PVD	AMAT

Scope of Services

- **ASTRON:** Al hard-anodized block, PEO block available upon request
- **PARAGON:** Full refurbishment with PEO block replacement
- **REVOLUTION:** Full refurbishment including replacement of Quartz process chamber
- **NPP:** Full refurbishment with PEO block replacement
- **Plasma block** replacement or refurbishment
- **Safe supply chain management** and validated processes (CIP)
- **Continuous Improvement:** Implementation of CIPs combined with more than 3 decades of experience and multiple hundred refurbished units per year

End-to-end Testing & QA Simulating Fab Environment:

- **Ignition test with Argon** (0.5 / 2.0 slm @ 4.5 Torr)
- **Vacuum leak test** (@ 0.003 Torr)
- **1-hour burn-in** with plasma color monitoring
- **Mixed-gas plasma** simulation (50:50 Ar:N₂ @ 9 Torr, NF₃ replacement)
- **Overtemperature protection & performance validation**
- **Final report** with protocol, thickness measurement and service record

Restore performance. Prevent downtime. Extend lifetime.
Leverage our expertise for your success. We're here to support you.

Your model not listed?

- ✓ Our expert team will assist you with identification, refurbishment planning, and condition assessment – even for legacy or unlisted systems.
- ✓ Certified used units and exchange systems available – contact us for details.



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