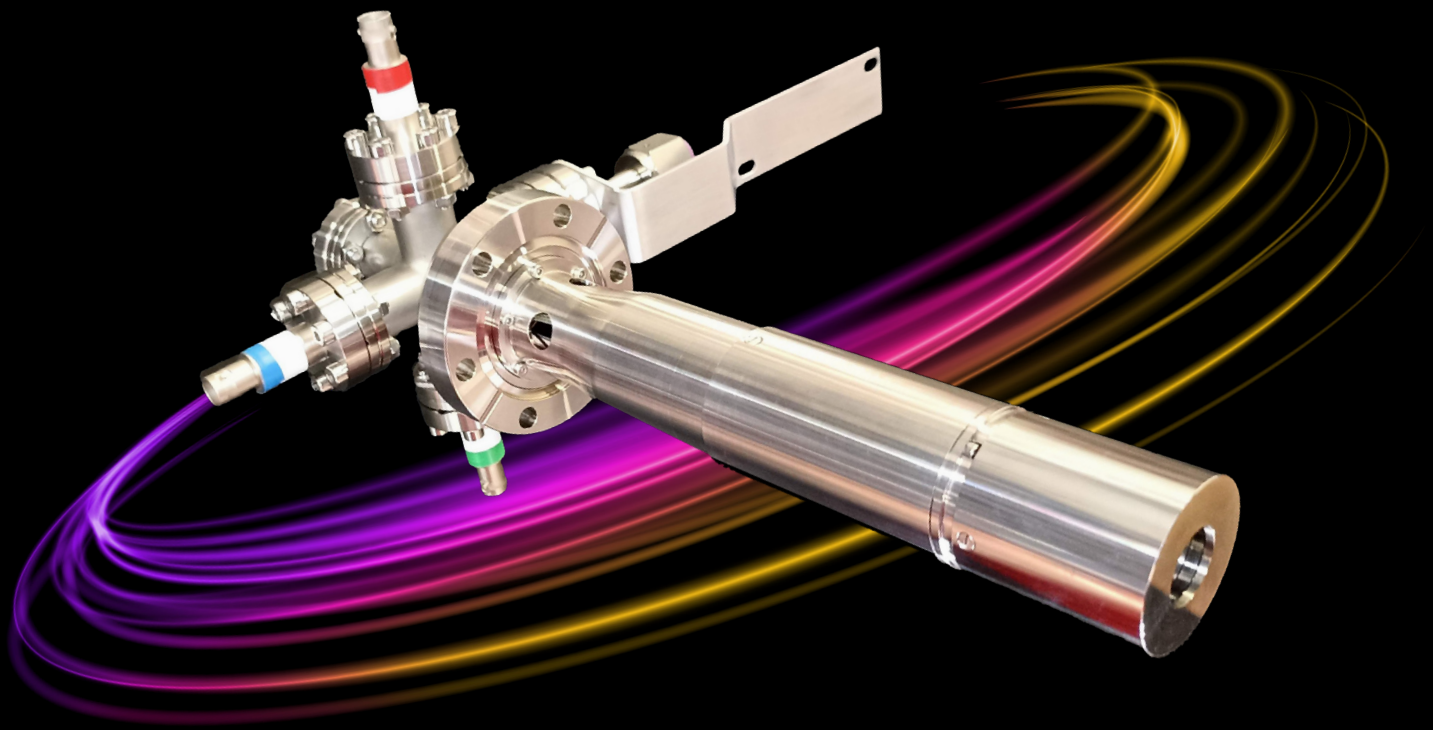
POLYGON PHYSICS

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Our ion & electron sources ready for your needs.



TES PRODUCT LINE

The smallest microwave plasma sources on the market

TES-GO

TES-40

Compact ECR source on CF40 flange, up to 5kV beam

TES-63

TES-100

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TES-40

APPLICATIONS

- Neutralization
- Sputtering
- Figuring
- Surface modification & activation
- Electron chemistry
- Etching

BENEFITS

- Stability over time
- Compactness
- Reduced maintenance, filament free, no cooling
- Plug & Play
- Independent electronics rack
- Compatible with noble and reactive gases

OPTIONS

- Bipolar mode
- Pulsed mode
- Focusing module (Einzel lens)
- Cable length

SPECIFICATIONS	Electrons	Ions-broad beam	Ions-high brightness
Applications	Electron chemistry, neutralization	Etching, sputtering, surface activation	Etching, figuring, sputtering, surface activation
Energy range	0.1 – 5 kV	0.1 – 5 kV	0.5 – 5 kV
Current	0.1 to 50 mA	0.3 to 3 mA	10 to 500 µA
Beam size (typ. at 4 cm)	3 to 30 mm	Energy dependent	0.3 to 15 mm
Insertion depth	138 mm / 183 mm with Einzel	138 mm	183 mm with Einzel



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