

 **Intlvac**
T H I N F I L M

MARK I ION SOURCE



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TECHNICAL SPECIFICATIONS

| Device / Process | Materials |
|--------------------------------------|---------------------------------|
| Source dimensions:(dia. x length) | 6.4 cm x 11.4 cm |
| Chamber size | up to 60 cm |
| Throw distance:(source-to-substrate) | up to 30 cm |
| Ion energy | 50 - 170 eV |
| Beam current | up to 200 mA |
| Operating pressure | $<3 \times 10^{-4}$ Torr |
| Magnet | High-Curie point permanent |
| Cathode/neutralizer | ~1-2 A (argon/oxygen dependent) |
| Gas requirements: | 3-10 sccm |

The Mark I End-Hall is ideal for small research and development and pilot production e-beam coating systems.

FEATURES

- Reactive gas compatible
- Low contamination
- Rugged and reliable
- Ideal for small systems

