

### Quick guide to Source, Power Supply and Grid options

#### Sources

Size	Type	Gas	Grid material	IBAD	E-beam Assist	Magnetron Assist	Applications
3 cm	DC	Cat 1	Graphite	Yes	No	No	Small target etch, substrate pre-clean
6 cm	RF	Cat 2	Moly	Yes	Yes	Yes	Wide area etch or assist, small target sputter
8 cm	DC	Cat 1	Graphite	Yes	No	No	Medium target etch and substrate pre-clean
12 cm	RF	Cat 2	Graphite, Moly	Yes	Yes	Yes	Wide area etch or assist, medium target sputter
13 cm	DC	Cat 1	Graphite, Moly	Yes	Yes	No	Wide area etch or assist, medium target sputter
16 cm	RF	Cat 2	Graphite, Moly	Yes	Yes	Yes	Large area etch, large target sputter
Linear	RF	Cat 2	Graphite, Moly	Yes	Yes	Yes	Wide area etch, assist, and target sputter

IBAD – ion beam assisted deposition

Category 1 gas selection – Most inert (Argon, Krypton, Xenon), Nitrogen, and Methane

Category 2 gas selection – Most inert (Argon, Krypton, Xenon), Oxygen, Nitrogen, Methane and Fluorine

#### Power Supplies and Neutralizers

Size	Type	Neutralizer	Power supply
3 cm	DC	Filament	IBEAM 601
		Plasma Bridge	IBEAM 602
6 cm	RF	Radio Frequency	IBEAM 703
8 cm	DC	Filament	IBEAM 601
		Plasma Bridge	IBEAM 602
12 cm	RF	Radio Frequency	IBEAM 703
13 cm	DC	Filament	IBEAM 601
		Plasma Bridge	IBEAM 602
16 cm	RF	Radio Frequency	IBEAM 703
Linear	RF	Radio Frequency	IBEAM 703

### Part numbers for Graphite Grid Options

Size	Type	Collimated	Divergent	Specialized
3 cm	DC	2 grid <b>504680A</b>	2 grid <b>505546A</b>	2 grid 1.2cm pattern <b>505374A</b>
6 cm	RF			
8 cm	DC	2 grid <b>504138A</b>		
12 cm	RF	3 grid <b>505781A</b>		
13 cm	DC			
16 cm	RF	3 grid <b>504822A</b>		3 grid 150x100 ellipse <b>505740A</b>
Linear	RF	6x30cm 2 grid <b>504761A</b>	6x30cm 2 grid <b>504983A</b>	

### Part numbers for Moly Grid Options

Size	Type	Convergent	Divergent	Specialized
3 cm	DC			
6 cm	RF	3 grid 25cm FP <b>505837A</b>	3 grid 25cm FP <b>505834A</b>	
8 cm	DC			
12 cm	RF	3 grid 25cm FP <b>504660A</b> 3 grid 130cm FP <b>504149C</b>	3 grid 25cm FP <b>504260A</b> 3 grid 46cm FP <b>504593A</b>	3 grid 130cm FP 8cm pattern convergent <b>504391A</b> 3 grid 25cm FP 120x80 ellipse convergent <b>505692A</b>
13 cm	DC	3 grid 130cm FP <b>505029A</b>	3 grid 25cm FP <b>505261A</b> 3 grid 46cm FP <b>505269A</b>	
16 cm	RF	3 grid 66cm FP <b>504599A</b>	3 grid 25cm FP <b>505281A</b> 3 grid 66cm FP <b>504373B</b> 3 grid 130cm FP <b>505319A</b>	3 grid 2FP standard <b>504137A</b> 3 grid 2FP thin screen <b>504137B</b> 3 grid 3FP standard <b>504296B</b> 3 grid 3FP thin screen <b>504296J</b>
Linear	RF	3 grid 6x22cm 25cm FP <b>504750A</b>	3 grid 6x22cm 25cm FP <b>505779A</b>	

We offer many other grid styles compatible with Legacy Equipment too. Please see the tables below.

### Part numbers for Legacy Grid Options (for Ion Tech Sources)

Size	Type	Collimated	Specialized
3 cm	DC	2 grid Graphite <b>504734A</b>	
5 cm	DC	2 grid Graphite <b>504434A</b>	
11 cm	DC	2 grid Graphite <b>504198A</b> 3 grid Graphite <b>504347D</b>	2 grid Graphite 100x64 ellipse collimated <b>504701A</b>
12 cm	RF	3 grid Graphite <b>505274A</b>	3 grid Moly 130cm FP 8cm pattern convergent <b>504391A</b> 3 grid Moly 25cm FP 120x80 ellipse convergent <b>505692A</b>
15 cm	DC	2 grid Graphite <b>504548A</b>	2 grid Graphite 150x100 ellipse <b>504551A</b>
16 cm	RF		3 grid Moly 2FP standard <b>504137A</b> 3 grid Moly 2FP thin screen <b>504137B</b> 3 grid Moly 3FP standard <b>504296B</b> 3 grid Moly 3FP thin screen <b>504296J</b>
Linear	RF/DC	2.5x22cm 2 grid Graphite <b>505089A</b> 6x30cm 2 grid Graphite <b>504761A</b>	2.5x22cm 2 grid Graphite I pattern collimated <b>504799A</b> 2.5x22cm 2 grid Graphite I pattern divergent <b>505355A</b> 6x30cm 2 grid Graphite 031 spacing <b>505264A</b>

Size	Type	Convergent	Divergent
3 cm	DC		2 grid Graphite <b>504679A</b>
6 cm	RF	3 grid Moly 25cm FP <b>505837A</b>	3 grid Moly 25cm FP <b>505834A</b>
12 cm	RF	3 grid Moly 25cm FP <b>504660A</b> 3 grid Moly 130cm FP <b>504149C</b>	3 grid Moly 25cm FP <b>504260A</b> 3 grid Moly 46cmFP <b>504593A</b>
15 cm	RF	3 grid Titanium 66cm FP <b>505122A</b>	3 grid Titanium 66cm FP <b>505123A</b>
16 cm	RF	3 grid Moly 66cm FP <b>504599A</b>	3 grid Moly 25cm FP <b>505281A</b> 3 grid Moly 66cm FP <b>504373B</b> 3 grid Moly 130cm FP <b>505319A</b>
Linear	RF/DC	6x22cm 3 grid Moly 25cm FP <b>504750A</b>	2.5x22cm 2 grid Graphite <b>505352A</b> 6x22cm 3 grid Moly 25cm FP <b>505779A</b> 6x30cm 2 grid Graphite <b>504983A</b>

Please contact us for other grid options such as Titanium or if you require a custom beam pattern.