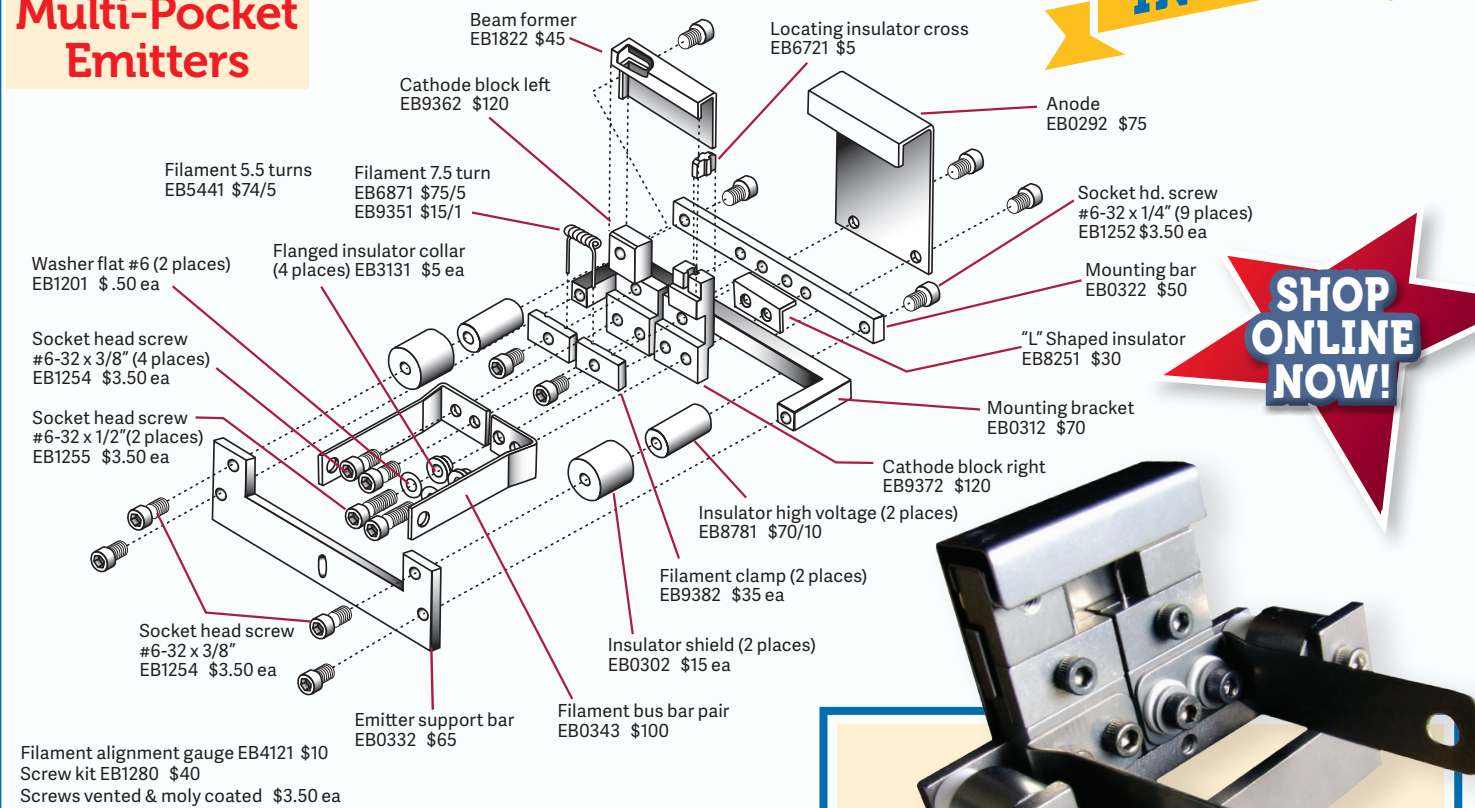


# ELECTRON BEAM GUN PARTS

Temescal • Satisloh • Telemark | Filaments • Insulators • Emitters

**ALL ITEMS  
IN STOCK**

## Multi-Pocket Emitters



**SHOP  
ONLINE  
NOW!**

## Multi-Pocket Emitter Parts

	TEMESCAL	TELEMARK	Fil-Tech	
Anode	0204-0292-0	273-0003-1	EB0292	\$75
Beam Former	0415-1822-0	273-0004-2	EB1822	45
Beam Former, Tantalum	0303-9392-0	N/A	EB9392	55
Cathode Block, Left	0303-9362-0	273-0031-1	EB9362	120
Cathode Block, Right	0303-9372-0	273-0032-1	EB9372	120
Emitter Support Bar	0204-0332-0	273-0018-1	EB0332	65
Filament Clamp	0303-9382-0	273-0033-3/273-0033-4	EB9382	35
Filament Bus Bar Set	0204-0343-3	273-0035-1/273-0036-1	EB0343	100
Insulator Shield	0204-0302-0	273-0011-1	EB0302	15
Mounting Bar	0204-0322-0	273-0017-1	EB0322	50
Mounting Bracket	0204-0312-0	273-0019-1	EB0312	70
Seal, Quad Ring	2108-0215-0	N/A	EB0215	2
Seal, RL Gasket	0020-4811-2	N/A	EB4811	9
Emitter Assembly	0204-0284-0	273-0150-1	EB0284	745

## Emitter Assemblies

	TEMESCAL	TELEMARK	Fil-Tech	
Multi Pocket	0204-0284-0	273-0150-1	EB0284 Temescal EB0150M Telemark	\$745
Single Pocket	0304-1914-0	253-0150-1	EB1914	700
High Performance	0916-8294-0	N/A	EB8294	825
Emitter Rebuilding Service*	N/A	N/A	EBREBLD	500

\*Includes glass beading and chemically cleaning all metal parts, replacing filament, screws (all vented), insulators, and reassembling. Metal parts not included.

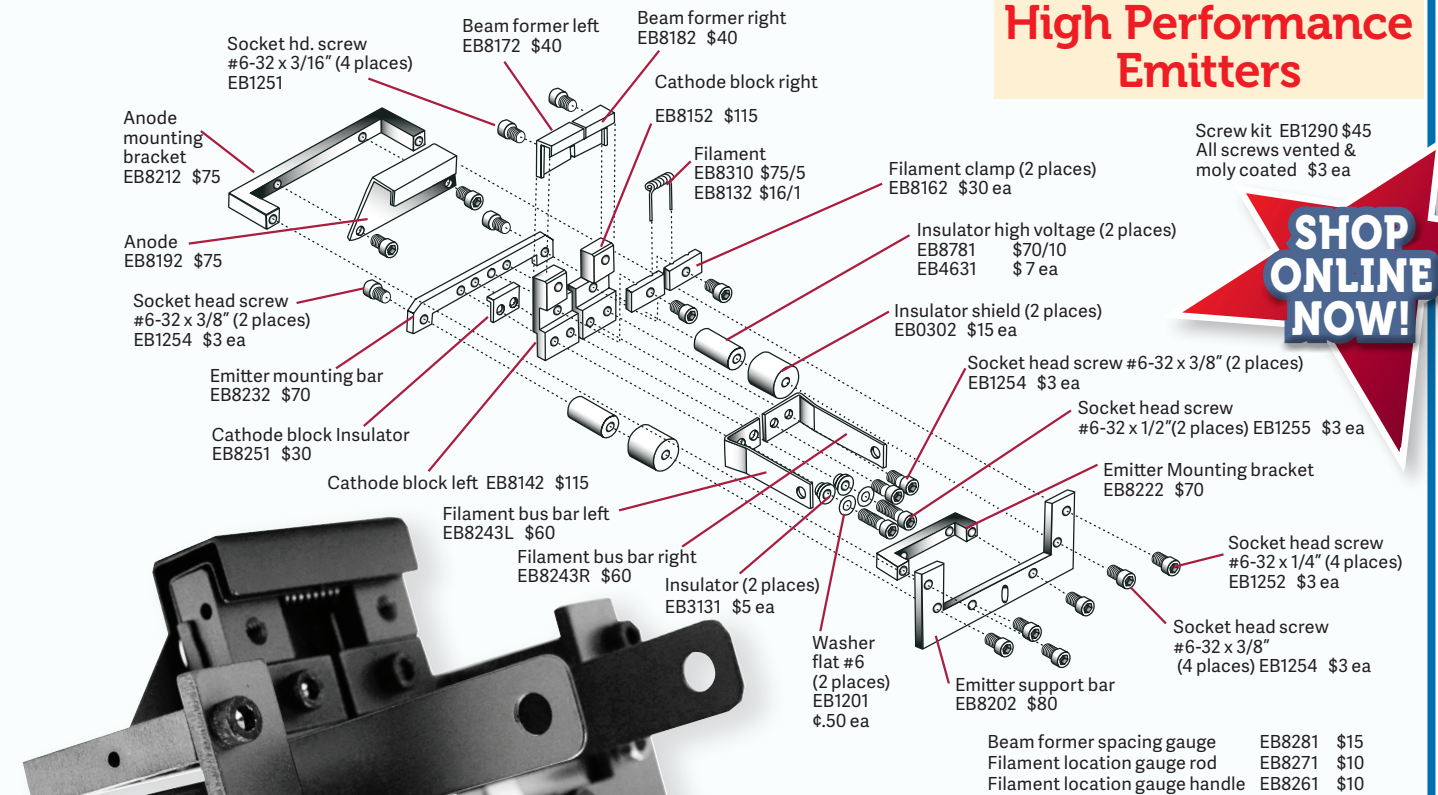
Fil-Tech supplies electron beam gun replacement parts for your Multi-Pocket and High Performance emitters from Temescal, Telemark, Thermionics, Satisloh, MeiVac, Sloan, and Leybold. Our insulators, filaments, metal parts and electromagnetic coils are drop-in replacements for the listed OEM parts. We can also rebuild your emitters.

Insulators	TEMESCAL	TELEMARK	Fil-Tech	
Flanged/Collar	0303-3131-0	273-0006-1	EB3131	\$5
Locating/Cross	0303-6721-0	273-0005-1	EB6721	5
High Voltage	0602-8781-0	273-0010-1	EB8781	70/10
High Voltage	0418-4631-0	273-3010-1	EB4631	7
Cathode Block "L" Shaped	0916-8251-0	273-0008-1	EB8251	30

Telemark and Temescal parts are interchangeable.

SLOAN			
126-116		EB6116	\$22

## High Performance Emitters



**SHOP  
ONLINE  
NOW!**

## High-Performance Emitter Parts

	TEMESCAL	Fil-Tech	
Anode	0916-8192-0	EB8192	\$75
Anode Mounting Bracket	0916-8212-0	EB8212	75
Beam Former, left	0916-8172-0	EB8172	40
Beam Former, Right	0916-8182-0	EB8182	40
Beam Former Spacing Gauge	0916-8281-0	EB8281	15
Cathode Block Insulator	0916-8251-0	EB8251	30
Cathode Block, Left	0916-8142-0	EB8142	115
Cathode Block, Right	0916-8152-0	EB8152	115
Emitter Mounting Bar	0916-8232-0	EB8232	70
Emitter Mounting Bracket	0916-8222-0	EB8222	70
Emitter Support Bar	0916-8202-0	EB8202	80
Filament Bus Bar, Left	0916-8243-4	EB8243L	60
Filament Bus Bar, Right	0916-8243-5	EB8243R	60
Filament Clamp	0916-8162-0	EB8162	30
Emitter Assembly	0916-8294-0	EB8294	895

## Electromagnetic Coil

TEMESCAL		Fil-Tech	
0312-6923-0	\$1,690	EB6923	\$1,550

## Filaments

		Fil-Tech	
TEMESCAL	SuperSource®	0317-6871-0	EB6871 \$75
		0303-9351-0	EB9351 15/1
		0515-5441-0	EB5441 74
TELEMARK	High Performance®	0916-8310-0	EB8310 75
		0916-8132-0	EB8132 16/1
		273-0001-1	EB0001 74
THERMIONICS	Multi Pocket	273-0002-1	EB0002 74
		A112153	EB6871 75
SATISLOH	SuperSource	A7500823P-122M	EB6871 75
		A7500823P-005M	EB6871-1 85
SLOAN	270 Gun	126-710	EB7910 150
LEYBOLD	Hooked Ends	10-094-226	EB4226 210/10
		812180313	EB0313 175
JEOL	Half moon		

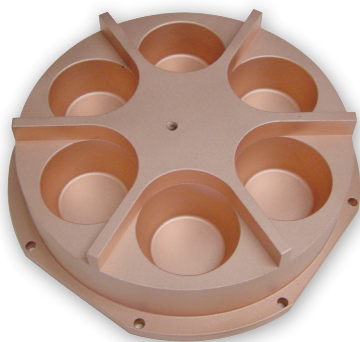
All filaments 5 per box except otherwise indicated.

Telemark parts can be ordered using Temescal part numbers.

Do you have a MDC Vacuum Products e-vap® source with a HF emitter assembly? Call us for replacement emitter assemblies and component parts.

## Crucibles

All Crucibles and Covers are OFHC for Temescal and Telemark electron beam guns.



SIZE	TEMESCAL	Fil-Tech
4x15cc Pockets	0715-8444-0 \$1,995	EB8444 \$1,850
6x15cc Pockets	0715-8504-0 1,995	EB8504 1,925
4x25cc Pockets	0715-8454-0 1,995	EB8454 1,850

SIZE	TELEMARK	Fil-Tech
6x15cc Pockets	271-0255-3 \$2,250	EB0255-3 \$2,135
4x25cc Pockets	271-0220-3 2,250	EB0220-3 2,000
6x25cc Pockets	271-0257-3 2,250	EB0257-3 1,935

All high water flow

## Crucible Covers

SIZE	TEMESCAL	Fil-Tech
4 Pockets	0715-8143-0 \$675	EB8143 \$650
6 Pockets	0715-8153-0 780	EB8153 760

SIZE	TELEMARK	Fil-Tech
4 Pockets	271-0073-1 \$1,150	EB0073 \$715
6 Pockets	271-0074-1 1,150	EB0074 715

## Silicon Dioxide

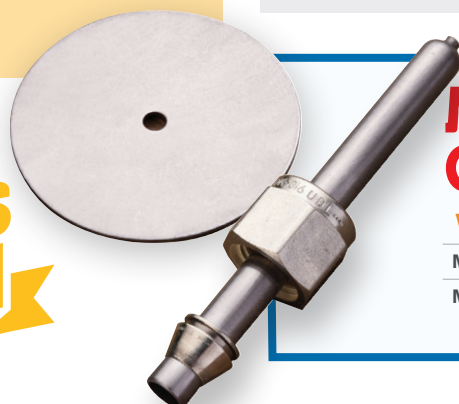
High purity SiO<sub>2</sub> specifically designed for electron beam evaporation.

### SPECIFICATIONS

Purity	99.99%	Melting point	1713°C
Form	Granular	Refractive index	n/d 1.46 @500 nm

### ORDERING INFORMATION

EM0024-5	2-4 Granular size (mm)	\$100 (500g)
----------	------------------------	--------------



## Crucible Liners

Fil-Tech supplies 4cc, 7cc, 15cc, 25cc, 30cc and 40cc crucible liners for Temescal and Telemark electron beam gun crucibles. Available in Graphite, Tungsten, Molybdenum, Aluminum Oxide, Boron Nitride, Copper, Intermetallic, Tantalum, and Vitreous Carbon. We can also fabricate custom liners for your e-beam guns.



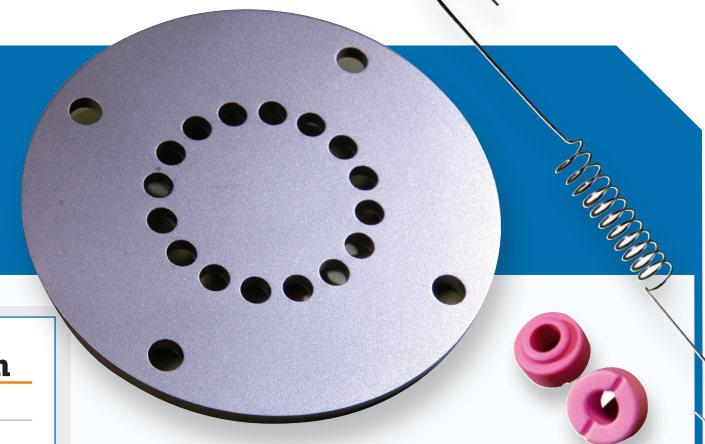
	SIZE	REMARKS	TEMESCAL	TELEMARK	Fil-Tech
GRAPHITE	7CC		0627-6172-1	271-7007-1	EC0007-1 \$42
	15CC		0627-6172-3	271-7015-1	EC0015-1 55
	25CC	4 Pocket	0627-6172-5	271-7025-1	EC4025-1 65
	25CC	6 Pocket	N/A	271-7025-2	EC6025-1 65
	30CC	W/Web	N/A	271-7030-1	ECW030-1 105
	30CC	W/O Web	N/A	271-7030-2	EC0030-1 80
	40CC		0627-6172-7	271-7040-1	EC0040-1 85
TUNGSTEN	7CC		0627-6152-1	271-7008-9	EC0007-2 \$190
	15CC		0627-6152-3	271-7016-9	EC0015-2 205
	25CC	4 Pocket	0627-6152-5	271-7026-9	EC4025-2 290
	25CC	6 Pocket	0627-6152-6	271-7027-9	EC6025-2 335
	30CC	W/Web	N/A	N/A	ECW030-2 250
	30CC	W/O Web	N/A	N/A	EC0030-2 310
	40CC		0627-6152-7	271-7041-9	EC0040-2 350
MOLYBDENUM	7CC		0627-6162-1	271-7007-3	EC0007-3 \$115
	15CC		0627-6162-3	271-7015-3	EC0015-3 110
	25CC	4 Pocket	0627-6162-5	271-7025-3	EC4025-3 160
	25CC	6 Pocket	N/A	271-7025-4	EC6025-3 200
	30CC	W/Web	N/A	271-7030-3	ECW030-3 200
	30CC	W/O Web	N/A	271-7030-4	EC0030-3 230
	40CC		0627-6162-7	271-7040-3	EC0040-31 215

## MARK II Cathode Tip & Keeper

	VEECO	Fil-Tech
MARK II Cathode Tip	B17968/SP \$380	IS17968 \$335
MARK II Keeper	A17973 \$157	IS17973 \$75

## ION SOURCE PARTS

- Veeco Mark I & Mark II • Ion Tech
- Satisloh • Kaufman & Robinson



Filaments	VEECO	SATISLOH	Fil-Tech
MARK I	A30274 \$7.20	A7500800Q-131M	IS30274 \$6
MARK II	A16962 7.60	A7500800Q-101M	IS16962 5

VEECO / ION TECH	Fil-Tech
3&5cm Cathode 0503-107 \$50	IS3107 \$12
3cm Neutralizer 0503-063	IS3063 14
5cm Neutralizer 0505-001-003 64	IS1003 6

KAUFMAN & ROBINSON	Fil-Tech
EH1000 HFL-A01	ISKRLA01 3.50
EH200 & EH400 HFM-A01	ISKRMA01 3

Insulators	VEECO	SATISLOH	Fil-Tech
MARK I	1451001 \$7.82	A7500800Q-136M	IS1001 \$6
MARK I & II	10-32M	A7500800Q-167M	IS1032 6.50
	10-32F	A7500800Q-134M	IS1032F 10
	6-32F		IS0632F 12
	6-32M		IS0632M 8
	6-MS	8.50	IS06MS 8
	1/4-20M	15.60	IS2520M 12
	1/4-20F	15.60	IS2520F 12

VEECO/ION TECH 3 & 5CM	Fil-Tech
0500-035 M \$7.35	IS0035 \$6
0500-036 F 9.80	IS0036 7
0500-037 M 8.50	IS0037 7

KAUFMAN & ROBINSON	Fil-Tech
10-32M Insulator	IS1032 \$6.50
10-32M-2 Insulator	IS0035 6
6-32M Insulator	IS0632M 8
1/3-20m-1 Insulator	IS2520M 12
REFLECTOR ISKR1012G Graphite Reflector	EH10-12-CG 75

## Gas Distributors

	VEECO	SATISLOH	Fil-Tech
MARK I	B18005-1 Graphite \$356	A7500800Q-134M	IS18005G \$100
	B18005-3 Stainless 75	A7500800Q-135M	IS18005S 75
	B18005-5 Titanium 455		IS18005T 100
MARK I MODIFIED HOLES	B18005-1A Graphite		IS18005G-1 100
	B18005-2A Stainless		IS18005S-1 80
	B18005T-1 Titanium		IS18005T-1 100
MARK II	B16931-1 Graphite 554	A7500800Q-174M	IS16931G 240
	B16931-2 Stainless 109	A7500800Q-154M	IS16931S 65
	B16931-5 Titanium 209	A7500800Q-202M	IS16931T 100

Replacement parts for Veeco Mark I and II, Ion Tech, Satisloh and Kaufman & Robinson ion source equipment. Filaments, insulators, anodes, gas distributors, cathode tips, keepers and other parts are drop-in replacements for the competitive parts listed and offered from stock at competitive pricing.

SHOP ONLINE NOW!

## Anodes

	VEECO	SATISLOH	Fil-Tech
MARK I	B18003-1 Graphite \$77	A7500800Q-132M	IS18003G \$65
	B18003-2 Stainless 57	A7500800Q-133M	IS18003S 55
MARK II	B16933-1 Graphite 196	A7500800Q-175M	IS16933G 160
	B16933-2 Stainless 144	A7500800Q-166M	IS16933S 85

## Mark II Parts

Mark II	Description	Fil-Tech
B16923	Pole Piece, Outer	IS16923 \$202
B16927	Alnico-5 Magnet	IS16927 67
B16928	Support Plate	IS16928 361
B16929	Baffle	IS16929 26
B16930	Spacer	IS16930 28/3
B16932	Support, Back Anode	IS16932 185
B16934	Support, Front Anode	IS16934 198
B16935	Tie Rod, Short	IS16935 38/2
B16936	Tie Rod, Long	IS16936 38/2
B16937	Cathode Connection	IS16937 105/2
B16938	Anode Connection	IS16938 19
B16939	Support, Cathode	IS16939 122/2
B16940	Knob, Hold Down	IS16940 50/2
B16944	Retainer, Cable	IS16944 106/3
B16946	Cover, Empty Socket	IS16946 70
B16947	Work Station	IS16947 100
B29958	Pin, Alignment	IS29958 42/2
B29959	Screw, Hold Down	IS29959 72/2
B29960	Socket	IS29960 298
B29961	Plug	IS29961 455

Call 800-743-1743 For a complete listing of Mark I, I+, II and II+ parts.