

PHI Genesis

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Consumable Parts List

Part Number	Description	Quantity
BASE SYSTEM		
PUMPS		
244-00009	FILTER-OIL MIST,KF25,ALCATEL	1 / oil pump
648914	Oil Mist Filter, Rough Pump-For Alcatel Pump-Model OME 25S	1 / oil pump
622561	Filter-Exhaust, Vac Pump, KF-16	1 / oil pump
623104	Rough Pump-Oil Mist Filter-Copper Sieve, 4"	1
707256	Rough Pump Oil-(Ulvac Pump)-500 milliliter	1
710201	Rough Pump Oil-(Ulvac Pump)-4 liter	1 bottle
725038	Tip Seal Kit for Edwards Scroll Pump Model nXDS 15i	1
730018	Agilent Titanium Sublimator Filaments	12 ea
GAUGES		
731400	Nude Ion Gauge (B-Rax control)	1
731401	Intro Gauge tube CV101 (B-Rax control)	1
731405	ASSY-Filament Dualy/IR Replace, INS	1
703699	Pfeiffer Compact FullRange BA Gauge, PBR-DN40CF	1
ANALYZER		
717032	Multi-Channel Detector-Channel Plates-50mm	1Set
757132	Multi-Channel Detector Anode-32 Channel	1
MONOCHROMATED X-RAY SOURCE		
724863	ASSY-XTAL/SUBSTRATE, ELLIPSOID	1
723880	ASSY,X-TAL, ELLIPSOID GE(422)/SF	1
738421	Al Window	1
729614	LaB6 Filament for X-Ray E-Gun	1
808259	KIT-ANODE, XPS, GENESIS	1
808260	KIT-ANODE, HXPS, GENESIS	1

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	NEUTRALIZER	
809213	Neutralizer Filament Assembly-BaO	1
	FIG-5B ION GUN	
627206	Argon Lecture Bottle-1400 PSIG	1
702056	FIG 05 Ionizer	1
	SAMPLE PLATENS and PARTS	
574803	Washer-Flat, M2, 2.2 ID, 5.0 OD, SST	1
630152	Mask-1mm Aperture	1
630153	Mask-Flared, 1mm Aperture	1
630154	Mask-2mm Aperture	1
630155	Mask-Finger, 3mm Aperture	1
741298	ASSY-SAMPLE CARRIER,40MM	1
740065	ASSY-SAMPLE CARRIER,80MM,GENESIS	1
741346	ASSY-HOLDER, 40mm, F-CUP, GENESIS	1
741370	ASSY-SAMPLE CARRIER,80MM,TILT	1
739893	MASK-SAMPLE, APERTURE-5.0MM	1
721462	SCR-PAN,M2X3,LOW HEAD	1
710104	SCR-PAN,M2X4,LOW HEAD	1
C72040	Spring-Flat Formed Tip, 0.53L, BE Cu	1
	SAMPLES / CALIBRATION STANDARDS	
629761	GRID-100 LPI,COPPER	1
631772	GRID-300 LPI,COPPER	1
631774	SAMPLE-TEST,CU,20X20MM	1
634528	SAMPLE-TEST,AG,20X20MM	1
705110	SAMPLE,SIO2,1000A,D100.0,T525	1
719985	SAMPLE-TEST,AU,12.5X12.5 MM	1
720953	PET FILM,.075MM,G2-75,A6 SIZE	1
720951	KAPTON FILM,.125MM,LS343449,50X50MM	1
705109	SAMPLE, SIO2, 250A, D100.0, T525	1
726202	SAMPLE, PMMA, 400NM, ½	1

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MISCELLANEOUS		
MISC PARTS		
608892	O2 Gas Bottle-50cc 0.9MP	1
700526	Aluminum Foil-18" Wide x 250 Foot Roll	1
718083	5um Filter Cartridge for Orion Chiller	1
732781	MECHANICAL SEAL FOR RKS402J-MV,ORION	1
732782	CASCADE PUMP FOR RKS402J-MV,ORION	1
732783	FAN MOTOR FOR RKS402J-MV,ORION	1
732784	INVERTER FOR RKS402J-MV,ORION	1
708379	LAMO-LED, 12V, 1156 Style, ULTRA WHITE	2
SEALS (Gaskets/O-Rings)		
608141	Seal Helicoflex	1
618134	Gasket, CU-4-VCR	10
619165	Gasket-Cu 4.62 OD Flange-Pkg 10	1
624725	O-Ring, Viton, Gas Inlet, 0.346 ID	1
626235	Gas Line Gasket Seal, CU-2-VCR	10
724730	Stainless Steel Gasket (Swagelok)-SS-4-VCR-2-GR	10
2680750	Gasket-Cu 1.33 OD Flange-Pkg 10	1
2681500	Gasket-Cu 2.75 OD Flange-Pkg 10	1
A73015	GASKET-CU, 3.38 FLG,CLEAN	1
2682500	4.5 Inch OD Flange-Pkg 10	1
2684000	Gasket-Cu 6.00 OD Flange-Pkg 10	1
2686000	Gasket-Cu 8.00 OD Flange-Pkg 10	1
738726	O-Ring, V80	1
738833	O-Ring V44	1
735310	O-Ring P24	1
738889	O-Ring V105	1
738749	O-Ring V385	1
729637	O-Ring Viton V360	1
738748	O-Ring V320	1
738747	O-Ring, 6x925	1

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738746	O-Ring V140	1
738745	O-Ring V120	1
735317	O-Ring V200	1
734339	O-Ring V170	1
738838	O-Ring 6x1830	1
738890	O-Ring V125	1
738837	O-Ring 6x1750	1
703202	O-Ring Viton V380	1
738836	O-Ring V355	1
735393	O-Ring V330	1
738835	O-Ring V195	1
735935	O-Ring V185	1
735314	O-Ring V175	1
735313	O-Ring V165	1
733035	O-Ring V145	1
738834	O-Ring V110	1
716505	O-Ring Viton V75	1
738832	O-Ring V20	1
738889	O-Ring V105	1
738892	O-Ring V190	1
	FUSES	
171300	Fuse-3AG, 0.50A, 250 V, Slow-Blow	5
171302	Fuse-3AG, 1.0A, 250 V, Slow-Blow	5
171303	Fuse-3AG, 1.50A, 250 V, Slow-Blow	5
171304	FUSE-3AG, 2.0A, 250V, Slow Blow	5
601265	Fuse-3AG, 5.0A, 250 V, Slow-Blow	5
609040	Fuse, Pico, 1A, 125V, Radial	5
639623	FUSE-4A,250V, S/B,5X20, IEC, SHT5, ROHS	5
702967	Kit-Pico Fuse, Spares	1
750224	FUSE-PICO,1A,125V, N/B, RDL, ROHS	5
750225	FUSE-PICO,.25A,125V, N/B, RDL, ROHS	5

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750392	FUSE-.032A,250V, /B,5MM, ROHS	5
750419	FUSE-PICO,2.5A,125V, N/B, RDL, ROHS	5
750420	FUSE-PICO,0.063A,125V, N/B, RDL, ROHS	5
750422	FUSE-PICO,0.375A,125V, N/B, RDL, ROHS	5
752264	FUSE-PICO,2.0A,125V, N/B, RDL, ROHS	5
752553	FUSE-PICO,4.0A,125V, N/B, RDL, ROHS	5
752569	FUSE-PICO,1.5A,125V, N/B, RDL, ROHS	5
752774	FUSE-PICO,0.500A,125V, N/B, RDL, ROHS	5
753152	FUSE-PICO,5.0A,125V, S/B, RDL, ROHS	5
	OPTIONS	
	AUGER	
623095	Gasket for Auger E-Gun-4.50" Flange-Special 2.86 ID	1
709120	LaB6 Filament-Augur Option	1
710818	Scintillator-Crystal Phototube-Augur Option	1
710819	Tip Scintillator	1

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	C60 ION GUN	
706215	C60 Powder Cartridge 250 mg	1
719945	Assy-Ion Source, C60 20KV, For 06-920	1
	DUAL ANODE X-RAY SOURCE	
602508	Frame Gridded Window (Only without Zr)	1
607910	Frame Al/Be Gridded Window	1
620914	DI Cartridge for Orion Chiller	1
729378	X-Ray Source Filament for 04-550	1
624023	Al/Mg for 04-550	1
624015	Zr/Mg for 04-550	1
624025	Mg/Mg for 04-550	1
607910	Assy-FR, AL/BE Gridded Window (Only with Zr)	1
705160	Gasket-CU 2.75 FLG ID 40, Clean	
	PFEIFFER PUMPS	
715518	Hi Pace 80 Turbo Pump Oil Wick	1 / pump
715519	HI Pace 300 Turbo Pump Oil Wick	1
715521	HI Pace 700 Turbo Pump Oil Wick	1
628239	Rough Pump Oil (Pfeiffer Pump) 5 liter	1
	Dual Source Ion Gun(DSIG)	
244-00009	FILTER-OIL MIST,KF25,ALCATEL	1
622561	Filter-Exhaust, Vac Pump, KF-16	2
623104	Rough Pump-Oil Mist Filter-Copper Sieve, 4"	2
628239	Rough Pump Oil (Pfeiffer Pump) 5 liter	1
709497	Skimmer, GCIB	1
715519	HI Pace 300 Turbo Pump Oil Wick	1
715518	HI Pace 80 Turbo Pump Oil Wick	1
724730	Stainless Steel Gasket (Swagelok)-SS-4-VCR-2-GR	10
725677	Kit-Inst, Assy-Fil, GCIB	1
734942	Kit-Inst, ASSY-Fil,AR+,Maint,QTS	1
733082	Mesh Stainless Steel Gasket (Swagelok)	10

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577111	O-Ring-111,0.424ID,.103W,Viton	1
709559	NOZZLE-GCIB	1
	LEIPS	
738575	BaO Filament Assembly	1
633419	GASKET-CU,2.75FLG,.125,CLN	1
721462	SCR-PAN,M2X3,LOW HEAD	1
731112	OPT FILTER,MERCURY-LINE,254NM,T65,D25	1
731113	OPT FILTER-BLOCK,300-650NM,D25	1
731114	OPT FILTER-SINGLE,260NM,16NM,T55,D25	1
723430	GAUGE MODULE-CONVECTRON,MKS275400	1
732441	MASK-SAMPLE,SPRING,2-HOLE,LIPES	1
732442	MASK-SAMPLE,SPRING,1-HOLE,LIPES	1
732443	Set, Optic Filters	1
732444	STORAGE BOX,OPT FILTER,D25,12SLOTS	1
733620	SCREEN-PHOSPHOR,P15 OD6,ITO/FL 8X18X.7	1
734888	SAMPLE-TEST,GLASS/ITO/AU/CUPC 1/2CUT	1
	REELS	
C75010	03-146 E-Gun Tungsten Filament	1
	HOT/COLD AND 4 CONTACT STAGE	
740082	ASSY-SAMPLE CARRIER,40MM,HEAT	1
741362	ASSY-SAMPLE CARRIER,40MM,H/C	1
741358	KIT-HOLDER,4 CONTACT,VESSEL	1
	UPS SOURCE	
568-00019	Viewport Glass, 1-1/3, VP-075	1
707146	He Gas Bottle	1
728075	Gauge-Tube Pirani, CF034	1
731065	Ulvac-PHI UV Source Anode	1
731066	Ulvac-PHI UV Source Light Capillary (only replace if heavily contaminated)	1
731067	Ulvac-PHI UV Ceramic Tube Anode	1

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731068	Ceramic Guide Anode Wire	1
731069	Ceramic Guide SHV	1
731219	O-Ring P8 Viton	2
713071	Trap-Molecular Sieve, MDC	1
	20KV C60 ION GUN	
703699	Gauge, PBR-DN40CF	1
715519	Hi Pace 300 Turbo Pump Oil Wick	1
	H/C/4 CONTACT STAGE	
741362	H/C Sample Holder	1
738761	H/C 4 Contact Sample Holder	1

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