

PHI nanoTOF II w/PHI LMIG

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Part Number	Description	Quantity
VACUUM SYSTEM		
PUMPS		
753243	ION PUMP, 25 L/S	1
709080	ION PUMP, 45 L/S, CONV, 4.5" CFF	1
3282015	ION PUMP, 15 L/S, DI, 2.75 FLANGE	1
715518	OIL RESERVOIR, HiPace 80	1
725038	TIP SEAL KIT-EDWARDS SCROLL PUMP MODEL nXDS 15I	1
GAUGES		
131-00010	FIL-GAUGE, ION ELECT DEGASS, GRANVILLE-PHILLIPS-274025	1
804974	MICRO-ION PLUS GAUGE REPLACEMENT FILAMENT	1
705319	VARIAN ION GAUGE	1
725351	VARIAN THORIA COATED IRIIDIUM FILAMENT KIT	1
GASES		
627206	ARGON-LECTURE BOTTLE, 1400 PSI	1
627207	OXYGEN-LECTURE BOTTLE, 1400 PSI	1
608892	ASSY-GAS CYLINDER, OXYGEN	1
NEUTRALIZER FILAMENT		
805428	ASSEMBLY-FOR E-GUN NEUTRALIZER-Y2O3	1

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	ION DETECTOR	
570-00005	MCP, MATCHED SET, 25mm, HOT	1 SET
636047	PHOSPHOR SCREEN	1
	SAMPLE CHAMBER	
715523	SEAL-FRAME O-RING, MM100	1
123-00002	MULTIPLIER-ELECTRON, SEM DETECTOR	1
729423	O-RING, VITON (Intro Lid Seal)	1
	SAMPLE STAGE	
701593	Ball-Zirconia (Stage HV Isolation)	3

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COMPONENT PARTS		
	PHI LMIG COLUMN	
804482	APERTURES-STRIP, LMIG	1
804483	RETAINER-APERTURE STRIP	1
708114	O-RING-ISOLATION VALVE	1
708066	ELECTRODE-CHICANE, STOP, LMIG	1
	PHI LMIG FILAMENTS	
708274	ASSEMBLY, EMITTER, GOLD, LMIG	1
708281	ASSEMBLY, EMITTER, BISMUTH, LMIG	1
708270	ASSEMBLY, EMITTER, GALLIUM, LMIG	1
708101	EXTRACTOR APERTURE INSERT	1
708104	TANTALUM APERTURE	1

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OPTIONAL HARDWARE		
	C60 SOURCE	
706215	C60 POWDER CARTIRIDGE 250mg	1
707667	C60 FILAMENT ASSEMBLY (E1487A)	1
707673	C60 TEMPERATURE SENSOR	1
707679	C60 HEATER	1
707680	C60 300µm APERTURE	1
707681	C60 100µm APERTURE	1
707682	C60 30µm APERTURE	1
	CESIUM SOURCE	
644195	ASSY-VALVE, CESIUM 5 GRAM	1
715008	FRIT ASSEMBLY	1
623095	GASKET-4.5" FLANGE	1
718306	CESIUM GUN-UPPER HOUSING ASSEMBLY	1
	06-360 ION GUN/ION NEUTRALIZER	
702056	ASSY-IONIZER	1
700611	ASSY-IONIZER, O2	1
	GAS CLUSTER ION BEAM (GCIB)	
715519	HIPACE 300 TURBO PUMP OIL WICK	1
715518	HIPACE 80 TURBO PUMP OIL WICK	1
628239	ROUGH PUMP OIL (PFEIFFER PUMP)	1
715475	SKIMMER, GCIB	1

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725677	FILAMENT ASSEMBLY INSTALLATION KIT	1
709813	LENS-CERAMIC INSULATOR	1
709807	SOURCE-CERAMIC INSULATOR	1
644951	1.33" FEEDTHRU FLANGE	1
724730	GASKET, STAINLESS STEEL (SWAGELOK)-SS-4-VCR-2-GR	10

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MISCELLANEOUS

FUSES

MISCELLANEOUS		
FUSES		
641853	FUSE-0.4A, 250V, S/B, 5 X 20mm, IEC	1
602634	FUSE-0.2A, 250V, S/B, 5 X 20mm, IEC	1
636478	FUSE-10A, 250V, S/B 5 X 20, SHT5	1
750225	FUSE-PICO, 0.25A, 125V, N/B, RDL, ROHS	1
750419	FUSE-PICO, 2.5A, 125V, N/B, RDL, ROHS	1
750224	FUSE-PICO, 1A, 125V, N/B, RDL, ROHS	1
110-000017	FUSE-5A, 250 V, S/B 5 X 20mm, IEC	1
804231	FUSE-MICRO,.050A,125V,V/F,RDL.ROHS-RBD PICOAMMETER	1
SEALS (Gaskets/O-Rings)		
725038	TIP SEAL KIT-EDWARDS SCROLL PUMP MODEL NXDS 15I	1
618134	GASKET RET ASY CU4VCR2GR	1
1005161	GSKT-ALT, 0665 X 4.50 FLANGE, 2.86 ID	1
2680750	KIT-GASKET, 1.33 OD FLANGE, (10)	1
2681500	KIT-GASKET, 2.75 OD FLANGE, (10)	1
2682000	KIT-GASKET, 3.37 OD FLANGE, (10)	1
2682500	KIT-GASKET, 4.50 OD FLANGE, (10)	1
2684000	KIT-GASKET, 6.00 OD FLANGE, (10)	1
2688000	KIT-GASKET, 8.00 OD FLANGE, (10)	1
643672	GASKET-Cu, 4.5 FLANGE, .10 THICK, CLEAN (5)	1
728133	INTRO SEAL-FRAMED O-RING-GLT60, ZAPT, MM100	1
724730	GASKET, STAINLESS STEEL (SWAGELOK)-SS-4-VCR-2-GR	10
LAMPS/FOIL/BULBS		

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622301	LAMP-FOSTEC-150 WATT	1
651110	LAMP, HALOGEN, 150W, 120V	1
C79013	ALUMINUM FOIL-18" WIDE X 250 FOOT ROLL	1
	COMPUTER/PRINTER	
	ALL PC AND PRINTER MEDIA ARE CONSUMABLE	

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