

# PHI X-tool-Automated Scanning XPS Microprobe

## Contents

Consumable Parts List.....	2
BASE SYSTEM .....	2
PUMPS.....	2
GAUGES.....	2
ANALYZER.....	2
MONOCHROMATED X-RAY SOURCE .....	2
ION GUN.....	3
NEUTRALIZER .....	3
SAMPLE PLATENS.....	3
MISCELLANEOUS.....	3
MISC PARTS.....	3
Gaskets/O-Rings.....	3
FUSES .....	4

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## *Consumable Parts List*

Part Number	Description	Quantity
<b>BASE SYSTEM</b>		
<b>PUMPS</b>		
244-00009	Filter, Oil Mist Eliminator	1
622561	Filter-Exhaust, Vac Pump, KF-16	1
623104	Rough Pump-Oil Mist Filter-Copper Sieve, 4"	1
628239	Rough Pump Oil-Type P3-5 Liter	1 bottle
648914	OIL MIST FILTER FOR ALCATEL MODEL OME 25S	1
710728	Rough Pump Oil-Type P3-1 Liter	1 bottle
715519	HI Pace 300 Turbo Pump Oil Wick	1
715521	HI Pace 700 Turbo Pump Oil Wick	1
725038	Tip Seal Kit for Edwards Scroll Pump Model nXDS 15i	1
2141400	Sublimator Filaments	1
<b>GAUGES</b>		
705313	Convectron (TC Gauge) Tube, Varian	1
705319	Ion Gauge Tube, CF70	1
725351	Filament Replacement-Thoriated-Iridium (Varian)	1
727729	Varian Ion Gauge-MBA-200	1
<b>ANALYZER</b>		
726684	Channel Plate, 50mm OD	1 Kit
757132	MCD – Anode 32 Channel	1
<b>MONOCHROMATED X-RAY SOURCE</b>		
625783	ASSY-XTAL/SUBSTRATE, ELLIPSOID	1
629888R	Window Assy rebuilt	1
729614	X-Ray-LaB6 filament assembly for E-Gun	1
805331	Anode Replacement Kit (Includes anode assembly)	1

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ION GUN		
627206	Argon Lecture Bottle-1400 PSIG	1
702056	06-350 Ionizer	1
NEUTRALIZER		
805428	Assembly-Neutralizer	1
SAMPLE PLATENS		
C72040	Spring-Flat Formed Tip, 0.53L, BeCu	1
573601	Screw-Pan, M2.0 x 4, PHIL, SS	1
573604	Screw-Pan, M2.0 x 8, PHIL, SS	1
573606	Screw-Pan, M2.0 x 12, PHIL, SS	1
573607	Screw-Pan, M2.0 x 16, PHIL, SS	1
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
639107	Assembly-Model 750 Sample Carrier	1
640588	Aperture-Round, 9.5mm x 0.8mm, SST	1
MISCELLANEOUS		
MISC PARTS		
700526	Aluminum Foil-18" Wide x 250 Foot Roll	1
718083	FILTER CARTRIDGE-LIQUID,4-7/8",5UM	1

Gaskets/O-Rings		
619165	Gasket-Cu 4.62 OD Flange- Clean	10
623095	Gasket-Alt, 06-65x, 4.50 Flange, 2.86 ID	10
624725	O-Ring-012, 0.364 ID, .062W, VITON, CLEAN	1
626235	Gasket-2VCR, CU-2—VCR-2	2
630270	O-Ring-349, 4.475 ID, VITON, CLEAN	1



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630271	O-Ring-356, 5.350 ID, VITON, CLEAN	1
630273	O-Ring-393, 23.94 ID, VITON, CLEAN	1
630274	O-Ring-394, 24.94 ID, VITON, CLEAN	1
719689	O-Ring, AS568 340, BLACK, VITON, CLEAN	1
719690	O-Ring, AS568-389, VITON, CLEAN	1
719691	O-Ring, AS568-390, VITON, CLEAN	1
724730	Gasket RET Assembly-SS4VCR2GR	10
2680750	Gasket-Cu 1.33 OD Flange-Clean (Pkg of 10)	1
2681500	Gasket-Cu 2.75 OD Flange- Clean (Pkg of 10)	1
2682000	Gasket-Cu 3.38 OD Flange- Clean (Pkg of 10)	1
2686000	Gasket-Cu 8.00 OD Flange- Clean (Pkg of 10)	1

	<b>FUSES</b>	
171300	Fuse-3AG, 0.50A, 250 V, Slo-Blo	5
171302	Fuse-3AG, 1.0A, 250 V, Slo-Blo	5
171303	Fuse-3AG, 1.50A, 250 V, Slo-Blo	5
601265	Fuse-3AG, 5.0A, 250 V, Slo-Blo	5
609040	Fuse, Pico, 1A, 125V, Radial	5
624036	Fuse, .375A, 250V, SB, PIGTL, 2AG	5
628527	Fuse, AB, 10A, 250 V	5
628528	Fuse, AB, 15A, 250 V	5
1003791	Fuse, AB, 0.25A, 250 V	5