

PHI 700xi Scanning Auger Nanoprobe Consumable Parts List

Part Number	Description	Quantity
VACUUM SYSTEM		
PUMPS		
2141400	Sublimator Filaments	1
639981	Ion Pump Elements (2 upper pump, 12 lower pump)	14
628239	Rough Pump Oil-Type P3-5 Liter	1 bottle
707256	Rough Pump Oil-(Ulvac Pump)	1
648914	Rough Pump-Oil Mist Filter-Copper Sieve, 4"	1
GAUGES		
705313	Convectron Gauge Tube, Varian	1
705319	Varian Ion Gauge, Nude (Upper Nipple & Main Chamber)	2
725351	Filament Replacement-Thoriated-Iridium (Varian)	1
GASES		
627206	Argon Lecture Bottle-1400 PSIG	1
SEALS (Gaskets/O-Rings)		
715074	Seal Kit-VAT Gate Valve (V1 Seal Kit)	1
2680750	Gasket-Cu 1.33 OD Flange-Pkg 10	1
2681500	Gasket-Cu 2.75 OD Flange-Pkg 10	1
2682000	Gasket-Cu 3.38 OD Flange-Pkg 10	1
2682500	Gasket-Cu 4.50 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
D76219	Gasket-Cu 10.00 OD Flange-Pkg 1	1

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627684	Gasket-Cu 4.50 OD/2.75 ID-Special gasket for Auger Analyzer	1
630180	Gasket-Cu altered 04-203 SED, 2.75 flange	
COMPONENT PARTS		
	ANALYZER	
649372	Multi-Channel Detector-Channel Plates	1Set
628779	Multi-Channel Detector Anode-8 Channel	1
	ELECTRON GUN	
649384	Thermal Field Emitter	1
648718	Aperture Plate	1
	SCINTILLATOR	
710819	Secondary Electron Detector-Scintillator (Option)	1
602914	Secondary Electron Detector-Channeltron Multiplier	1
	ION GUNS	
647104	06-350 Long Life Ionizer	1
MISCELLANEOUS		
	FUSES	
609040	Fuse, Pico, 1A, 125V, Radial	5
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
628240	Fuse-3AG, 20A, 250 V, Very Fast-Blo	5
628527	Fuse, AB, 10A, 250 V	5
628528	Fuse, AB, 15A, 250 V	5

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10003791	Fuse, AB, 0.25A, 250 V	5
	LAMPS/FOIL/BULBS	
700256	Aluminum Foil-18" Wide x 250 Foot Roll	1
710744	Lamp-Halogen, JCR 12V-100W (Schott Light Source)	1
	SAMPLE PLATES	
713036	Model 191HC-Recessed Specimen Holder	1
716012	Model 193G-Faraday Cup-Auger	1
713034	Model 190HC-Flat Specimen Holder	1
716014	Model 194D-Beam Diameter-Auger	1
716010	Model 202A-30° Sample Holder	1
713038	Model 260HC-Sample Holder-Flat-0.6cm	1
710896	Holder-Sample, 710-HERO	1
	COMPUTER/PRINTER	
	ALL PC AND PRINTER MEDIA ARE CONSUMABLE	

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