

PHI 710 Scanning Auger Nanoprobe Consumable Parts List

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Part Number	Description	Quantity
BASE SYSTEM		
PUMPS		
244-00009	Filter Oil Mist, KF25, Alcatel (1 per OIL pump)	1
622561	Filter Exhaust, Vacuum Pump, KF-16 (1 per OIL pump)	1
623104	Trap filter – Copper Sieve, 4in (1 per OIL pump)	1
628239	Rough Pump Oil-Type P3 (Pfeiffer) - 5 Liter	1 bottle
730012	Agilent VIP75 diode ion pump (upper, without magnets and cover)	1
730018	TSP Filaments (Agilent)	1
730019	Agilent ion pump HV feedthrough	1
730021	Agilent Noble Diode Ion Pump Elements (lower pump only)	4
730747	Gamma DI Ion Pump Elements (2 upper pump, 6 lower pump)	8
2141400	TSP Filaments (Gamma)	1
GAUGES		
705313	Convector Gauge Tube, Varian	1
705319	Ion Gauge, Nude (Upper Nipple & Main Chamber)	2
725351	Filament Replacement-Thoriated-Iridium (Varian)	1
ANALYZER		
649372	Multi-Channel Detector-Channel Plates	1 Set
733916	Assy-PCB, Anode 8CH, Polyamide	1
ION GUN		
627206	Argon – Lecture Bottle, 1400 PSI	1
647104	06-350 Long Life Ionizer	1
ELECTRON GUN		
648718	Aperture Plate	1
649384	Thermal Field Emitter	1
SCINTILLATOR		
710818	Crystal Phototube	1

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710819	Scintillator Tip	1
	SAMPLE PLATENS	
623662	Prep station - 10 piece	1
710896	Holder-Sample, 710 – HERO	1
713034	Model 190HC – Flat Specimen Holder	1
713036	Model 191HC – Recessed Specimen Holder	1
713038	Model 260HC – Sample Holder – Flat – 6cm	1
716010	Model 202A – 30° Sample Holder	1
716012	Model 193G – Faraday Cup – Auger	1
716014	Model 194D – Beam Diameter – Auger	1
716016	Assy-Holder, Fracture	1
716439	Model 279A Holder – 30 deg, H/C, 54x12mm	1
727684	Model 190Q Sample Holder, 4 contacts	1
757381	Assy – FC, 250, H/C Versa	1
	SAMPLES / CALIBRATION STANDARDS	
622508	Calibration Std – Gold on Carbon	1
631772	Grid – 300 LPI, Copper	1
631774	Sample – Test, Cu, 20x20mm	1
639382	Mask – Ion Beam Calibration	1
705110	Sample – SiO ₂ 1000A, D100.0, T525	1
705197	Sample-Steel D3,L19, Fracture	1
	MISCELLANIOUS	
	MISC PARTS	
700526	Aluminum Foil-18” Wide x 250 Foot Roll	1
710744	Lamp-Halogen, JCR 12V-100W (Schott Light Source)	1
	GASKETS & O-RINGS	
627684	Gasket-Cu 4.50 OD/2.75 ID-Special gasket for Auger Analyzer	1
651561	Seal Kit, V1 Gate Valve HVA Model 11250-300R (V1 Seal Kit)	1

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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
	FUSES	
110-00015	Fuse – 3.15A, 250V, S/B, 5x20mm	1
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
171304	Fuse – 3AG, 2A, 250 V, Slo-Blo	1
171306	Fuse – 3AG, 3A, 250 V, Slo-Blo	1
601265	Fuse – 3AG, 5.0A, 250 V, Slo-Blo	5
609231	Fuse – 10A, 32V, S/B, 3AG	1
618926	Fuse – 4A, 250V, S/B, 5x20mm	1
619060	Fuse – 4A, 250V, S/B, 3AG	1
628527	Fuse, AB, 10A, 250 V	5
628528	Fuse, AB, 15A, 250 V	5
634611	Fuse – 0.25 A, 250V, S/B, 5x20mm	1
638628	Fuse – 0.125A, 250V, S/B, 5x20mm	1
639826	Fuse – 2A, 250 V, Slo-Blo, 5x20mm	1
641364	Fuse – 6.25A, S/B, 250V, 3AG	1
641620	Fuse – 7A, S/B, 250V, 3AG	1
750224	Fuse – Pico, 1A, 125V, N/B, RDL, ROHS	1
750225	Fuse – Pico, 0.25A, 125V, N/B, RDL, ROHS	1
750419	Fuse – Pico, 2.5A, 125V, N/B, RDL, ROHS	1
752553	Fuse – Pico, 4A, 125V, N/B, RDL, ROHS	1
752569	Fuse – Pico, 1.5A, 125V, N/B, RDL, ROHS	1

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752774	Fuse – Pico, 0.5A, 125V, N/B, RDL, ROHS	1
753152	Fuse – Pico, 5A, 125V, S/B, RDL, ROHS	1
1003791	Fuse, AB, 0.25A, 250 V	5
OPTIONS		
DRY PUMP OPTION		
709719	Silencer-KF-25, Scroll nXDS, Edwards (1 per DRY pump)	1
725038	Tip Seal Kit for Edwards Scroll Pump Model nXDS 15i (1 per DRY pump)	1
728242	Trap – Fore Line, OFI200, U-KIKO (1 per DRY pump)	1
FIB OPTION		
643672	Gasket-CU,4.5 FLG, .10THK,CLN (thick for FIB alignments)	1
708066	Electrode – Chicane Stop, FIB	1
708101	Extractor Cap	1
708104	Extractor Aperture	1
708114	O-ring – Isolation Valve	1
708270	Assembly, Emitter, Ga, FIB	1
804482	Aperture Strip – LMIG (standard strip)	1
804483	Retainer – Aperture Strip	1
805844	Aperture Strip – Industrial FIB	1