

TLG Technology Pte Ltd

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AMAT

OEM PN	TLG PN	DESCRIPTION
0010-00563	5005105000	Supply, Power, 8300 Rev. E
0010-02862	6011100028	Refurbishment, Susceptor, TEOS, 6"
0010-60015	6011100029	Refurbishment, C- Chuck
0015-09092	5005106176	Coil, Copper
0015-20035	5005701000	Screw, Aluminum, Bead-Blasted
0015-20213	5005330012	Screw, Captive, VMI, Modified
0020-00346	5005101002	Spring, Brush, RF
0020-00347	5005101000	Brush, RF
0020-00781	5005101001	Blade, Ground, RF, Hexode
0020-00783	5005101003	Spring, Blade, Ground, RF
0020-00846	5005106058	Viewport, Quartz, 4"
0020-01171	5005106166	Plate, Base, Left
0020-01172	5005106165	Plate, Base, Right
0020-01191	5005106159	Cover, Apex
0020-03310	5005106095	Plug, Vespel
0020-03398	5005106142	Insulating, Pipe, Quartz
0020-03426	5005106096	Plug, Pedestal, Vespel
0020-03656	5005106097	Screw, Vespel, 8-32 x 0.325
0020-03657	5005206037	Ring, Vespel, 4"
0020-03690	5005206000	Finger, Vespel Material Revision
0020-03690	5005206003	Finger, Fork, Ceramic
0020-04127	5005106075	Ring, Vespel
0020-06048	5005106068	Bushing, Valve, Throttle
0020-06315	5005106057	Viewport, Quartz, 3.6"
0020-06447	5005106079	Clamp
0020-09069	5005206031	Pin, Lifting, Viton Tip
0020-09602	5005206043	Manifold, Input
0020-09604E	5005206044	Feedthru, Gradient, Voltage
0020-09843	5005106212	Pin, Lift, Wafer
0020-09952	5005106127	Window, Front
0020-10134	5005206042	Manifold, Output, Plated
0020-10722	5005106213	Screw, Showerhead, Vented
0020-10730	5005106177	Alum, Finger
0020-10771	5005206017	Plate, Perforated
0020-10887	5005106178	Screw
0020-18362	5005106180	Holder, Pin, Lift
0020-18899	5005701017	Washer, Nozzle, Ultima, HDP-CVD
0020-20114	5005310011	Isolator, Bias, DC

OEM PN	TLG PN	DESCRIPTION
0020-20117	5005380001	Conductor, Flex, DC, Bias
0020-20125	5005310013	Standoff,Bias,Ceramic,(5500 Endura)
0020-20126	5005310010	Stand-off, Bias, DC
0020-21366	5005701001	Screw, Shoulder, Modified
0020-21366	5005701015	Screw, Shoulder
0020-21901	5005330008	Bracket
0020-23041	5005206024	Clamp,Shield,Wafer,Aluminum,8"
0020-23587	5005206045	Spacer, Bracket
0020-24018	5005106188	Pin, Poly, SI, Quartz, Insulator
0020-24100	5005106186	Insulator, Quartz, 8", Preclean 2
0020-27100	5005330005	Shield, Ring, Wafer
0020-27116	5005330013	Screw, Pin, Mod, DC B1
0020-27946	5005106111	Ring, Clamp, Titanium
0020-28117	5005330006	Clamp, Degas, Temp, High
0020-28117	5005330007	Clamp, Degas, Temp, High, Modified
0020-29143	5005330009	Cup, Outer
0020-29348	5005330010	Cup, Outer, Feedthru, IMPT
0020-29679	5005106237	Disk, Shutter
0020-30347	5005106226	Tube, Isolation, External
0020-30447 Rev. B	5005206051	Plate, Blocker, P5000
0020-30678	5005106184	Ring, Vespel
0020-31016	5005106255	Housing, Feedthru, Delrin
0020-31064T	5005701016	Holder, Pin, HDP-CVD
0020-31425	5005106231	Mixer
0020-31626	5005106228	Flange, Insulating
0020-31628	5005106225	Ring, Insulation, Ardel
0020-31631	5005106227	Ring, Insulator, Contact, DC
0020-31740	5005106082	Screw, Vespel, 5300
0020-31918	5005106230	Plug, DC ESC, Recedded, Sic
0020-31919	5005106110	Plug, Bias, DC, Ni200
0020-32034	5005106107	Ring, Vespel
0020-32034	6005300012	Assy, Ring, Vespel, w/ Vespel Fingers
0020-32048	5005106084	Sleeve, Vespel, Threaded
0020-33538 Rev. 1	5005106217	Plate, OX, 200mm
0020-33785	5005106223	Plate, GDP
0020-42285	5005106233	Plate, WxZ, EC, Blocker, 8"
0020-42287	5005106232	Plate, WxZ, EC, 8", Perf
0020-42303	5005106125	Plate, Aperture, U-Wave
0020-42316	5005106234	Screw, Showerhead
0020-70285	5005106215	Arm, Load

OEM PN	TLG PN	DESCRIPTION
0020-70285	5005106216	Arm, Load
0020-94844	5005400015	Bushing, Leadthrough, Boron Nitride
0021-03104	5005106129	Screw, Slotted
0021-07418	5005106131	Standoff, Slotted
0021-09097	5005106083	Liner, Lower, Locator
0021-09703	5005106149	Plate, Blocker, Perforated
0021-10296	5005106185	Manifold, Output
0021-15763	5005106161	Ring, Deposition, 6", SMF/JMF
0021-17875	5005106167	Insert, Valve, Throttle, Sigma
0021-21900	5005106124	Ring, Deposition, Titanium
0021-21900	5005106160	Ring, Deposition, Modified
0021-37258	5005106147	Plate, Pumping
0021-38689	5005106148	Showerhead, Plate, Perforated
0021-40317	6005300018	Holder, Pin, Lift
0021-77474 P1	5001061985	Ring, Retaining, CMP, 150mm
0030-00198	5005106055	Ring, Pedestal, Lexan, 6"
0030-01037	5005106156	Clip, Wafer, AME
0040-21178	5005106187	Bell Jar, Preclean 2
0040-91727	5005400004	Strap, Electrode, 9200
01-60304-700	5005106138	Pedestal, Conductive
01-83413-00	5005106141	Tray, Hexode
0190-36174	5005101051	Seal, Metal
0190-36174	5005102051	O-Ring, Aluminum
0190-36614	5005102061	Ring, Seal, Aluminum
0190-70070	5005300003	Bearing, Ball, .312ID, Centura 5300
0190-70076	5005300004	Bearing, Ring, Magnetic, 6"
0190-75080	5005300005	Bearing, Robot, VHP
0200-00012D	5005206006	Ring, Quartz, 5" (5)
0200-00059	5005106143	Cover, Quartz, 6", DF
0200-00337	5005106126	Back, Window, Sapphire
0200-00410 Rev 3	5005106171	Uni-Insert, Gas Distribution, 88 holes, Qtz.
0200-00417-P1	5005106168	Ring, Insert, Silicon
0200-00436	5005106169	Ring, Shadow, 150 mm
0200-00464	5005106204	Ring, Lift, Ceramic
0200-00518	5005106194	Ring, Pumping
0200-00576	5005106211	Pin, Weight, 300mm
0200-00622	5005106244	Ring, Outer
0200-00624	5005106243	Ring, Purge, 200mm, WxZ + NCSR
0200-00632	5005206011	Ring, Shadow, Ceramic
0200-00635	5005106208	Nozzle

OEM PN	TLG PN	DESCRIPTION
0200-00668	5005106203	Liner, Bottom, Ceramic
0200-01009	5005106207	Nozzle, Hole, Four, Ceramic
0200-01216-002	5005106128	Ring, Shadow
0200-01276 Rev. 1	5005106195	Ring, Cover
0200-01798	5005106218	Pin, Lift, Endura
0200-02041	5005310017	Housing, Double, RF, Connection
0200-02263	5005310016	Insulator, Encore
0200-03398-D	5005206027	Pipe, Insulating, Quartz
0200-09005	5005106229	Window, Point, End
0200-09035	5005206001	Finger, Lift, Ceramic
0200-09036	5005206007	Pin, Lift, Wafer
0200-09047-H	5005106179	Window, Heater, 200mm
0200-09072	5005310009	Shield, Ceramic
0200-09158	5005106150	Window, Quartz, Heater
0200-09216	5005106144	Ring, Pedestal, 6"
0200-09217V	5005206022	Ring, Qtz, 8", Cathode, External
0200-09222	5005206020	Ring, Outer, Qtz, External
0200-09242	5005206030	Plug
0200-09384	5005206009	Pin, Lift, Wafer, 150 mm
0200-09429	5005106190	Window, Quartz, Coated, Sapphire
0200-09474	5005106145	Ring, Cover, 150mm, Poly/xtal, Flat
0200-09575	5005106091	Finger, Lift, Ceramic
0200-09603-D	5005106191	Pipe, Insulating, Quartz, Insulating
0200-09606A	5005106119	Cover, Ring, Quartz
0200-09636	5005206029	Plug, SIC
0200-09672	5005106092	Ring, Clamp, 200mm, Ceramic
0200-09696	5005106220	Finger, Ceramic
0200-09716	5005106130	Pin, Lift, Heater
0200-09741	5005206023	Ring, Focus, 209MM
0200-09747	5005106088	Ring, Clamping, Cover, Ceramic, 200mm
0200-09781-P1	5005106104	Finger, Ceramic
0200-09781-P1	5005106105	Finger, Vespel
0200-09951	5005106210	Pad
0200-10007	5005106151	Wafer, ALN, 6", SMF, WXZ
0200-10133	5005106077	Window, Quartz
0200-10133	5005106078	Window, Sapphire
0200-10176-P1	5005106070	Ring, Shadow, Quartz, Notch (2)
0200-10176-P1	5005106071	Ring, Shadow, Quartz
0200-10191 Rev. A	5005310012	Shield, Ceramic
0200-10243	5005106146	Ring, Shadow, 150 mm, 5.694 dia, Flat

OEM PN	TLG PN	DESCRIPTION
0200-10246 Rev. 1	5005106120	Plate, Distribution, Gas, Unpolished, 124
0200-10284	5005106182	Pin, Lift, DXZ
0200-10284	5005106183	Pin, Lift, DXZ, Modified
0200-10392A	5005206021	Window, Quartz
0200-10445	5005106086	Ring, Shadow, Quartz, Silicon Insert
0200-10446A	5005106080	Insert, Silicon, Collar, Quartz, MXP+
0200-10486	5005310014	Insulator, Ceramic
0200-18081	5005701012	Cover Ring
0200-18093	5005106205	Nozzle, Ceramic
0200-18100	5005106209	Pin, Lift, Ceramic
0200-18109	5005106181	Collar
0200-200011	5005360001	Ring, Quartz (EN)
0200-20315	5005106206	Button, Rest, Vectra
0200-20426	5005106189	Insulator, Pinless, Quartz, 8"
0200-20494	5005310015	Insulator, RCPT, Ridge Support VTRA
0200-20495	5005310018	Insulator, Pushing, Feedthru
0200-35003	5005106222	Blade, Robot, 6"
0200-35611	5005106172	Ceramic Screw, Lid-Liner
0200-35623	5005206033	Insert, Silicon, 6"
0200-36416	5005106202	Ring, Ceramic
0200-36417	5005106201	Ring, Ceramic
0200-36631	5005106137	Plate, Cover
0200-36691	5005106199	Ring, Single, Low Profile, 150mm SMF, Qu
0200-40091	5005106098	Insert, Chamber, Slit, Valve
0200-40108V	5005106116	Plate, Cover, 200mm, 1/4" thick
0200-40126	5005106200	Blade, Robot
0200-40156	5005106072	Pin, Guide, Ceramic
0200-40166	5005106073	Guide, Ceramic
0200-40169B	5005106113	Ring, Cover, 200mm, Non-Contact
0200-40211V	5005106117	Coller, Wider, 200mm
0200-76068D	5005202603	Ring, Quartz, Shadow, 150mm
0240-32167	6011100011	Kit, RF, Plug
0240-70639	6005300013	Kit, PM, Bearing, Robot, 5500
1010-01059	5005106133	1000W-120V, Lamp, Halogen
26-81086-00	6111000003	Assembly, Cap, Upper
26-82346-00	3051536154	Pin, Cap, Upper 8300
26-82454-00	3051530172	Base, Pivot, Cap, Upper 8300
26-82533-00	3051530169	Cover, Pin, Left
26-82534-00	5005106163	Spacer, Clip, Wafer
26-82540-00	5005106158	Support, Tray

OEM PN	TLG PN	DESCRIPTION
26-83343-00	5005106140	Plate, Ground
26-83409-00	5005106162	Ring, Focus, Ardel, 4"
3080-01030	5005302024	Belt, Drive, Orienter, Centura 5300
3080-01048	5005302023	Belt, Valve, Throttle, Centura 5300
3320-01200	5005106132	Coil
3690-01448	5005101005	Screw, Ring, Anti-Etch, Vented, SS, #2-56x1/4
3690-01451	5005101006	Screw, Ring, Anti-Etch, Vented, SS, #2-56x3/8
3690-01544	5005106173	Screw, Plate, Blocker
3690-01895	5005106102	Screw, Cap, Skt, Head, Centura 5300
3690-01906	5005106101	Screw, Vented, 2-56 x 3/8", Centura 5300
3780-01106	5005106100	Spring, Cprsn, .750, Centura 5300
3880-01085	5005106103	Washer, Belleville, .3750, Centura 5300
3880-01116	5005106099	Washer, Lock, Split, #2, Centura 5300
70202290000	5005302025	Shaft, Bellow, Androd, ITU
81-60304-700	5005106139	Pedestal, Insulated
81-60304-700	5005106164	Pedestal, Crowned, 4"
91-01228A	5005360002	Insulator, Pinless, Quartz, 8", SNNF
	5003000006	Bearing, Robot, HP
	5005106256	Pin, Lift, TXZ
	6005300009	Kit, PM, Vent, Screw
	6005300010	Kit, PM, Vent, Screw
	6005300019	Kit, PM, Annual, Centura 5300
	6011100007	Kit, Rebuild, Cavity, Microwave
	6011100009	Kit, Process, 8130
	6011100013	Kit, Rework
	6011100025	Kit, Rebuild, Cavity, Microwave
	79001-1007	Tool, Centering, Heater
0020-23367		Arcing Monitor Detector
0190-24965		GT FI robot, SPEC., KAWASAKI AY TYPE ROBOT
0246-01196		GT MEE BLADE NEW CLAMP
0010-32434		CVD Producer GT 300mm Blade
		HORIBASTEC SEC-4400M MFC, Ar, 5SLM
		HORIBASTEC SEC-7350M MFC, He, 10SLM

ASM Epitaxy

S/N	OEM P/N	Manufacturer	Manufacturer PN	Description	Qty
1	60-122486A02	Parker Seals	2-010	O-ring 2-010/75D WHT-Fluorocarbon	20
2	60-122483A17		-	O-ring 2-278/75D BLK-Fluorocarbon	4
3	60-122291A92		SE-021621-N1	o-ring 2-272/75D BLK-Fluorocarbon	15
4	60-119075A84		-	o-ring 2-013/75D BLK-Viton	50
5	60-122483A67		04-185716-01	O-ring Fluorocarbon (6mm +/- 1.13MM ID)	2
6	60-119075A71			O-ring 93-500/70D WHT-Fluorocarbon	18
7	60-106206A90		04-323576A02	O-ring 2-029/75D WHT-Fluorocarbon	2
8	60-106206A9A		SE-021601-N1		2
9	60-122483A89		SE-021625-N1	O-ring 380/75D White Fluorocarbon	1
10	9330-SC655	Greene Tweed	SE-018360-N1	O-ring F15ZZ-352090 (53.35ID x 5.33 CX mm)	3
11	9013-SC513	Greene Tweed	SE-000758-N1	O-ring F15ZZ-304140 (10.82ID x 1.78 CX mm)	22
12	60-119075A75		SE-021617-N1	o-ring 2-224/75D BLK-Fluorocarbon	23
13	60-119075A32		SE-021611-N1	o-ring 2-116/75D BLK-Fluorocarbon	7
14	60-119075A05		SE-021606-N1	o-ring 2-223/75D BLK-Fluorocarbon	19
15	60-119075A31			o-ring 2-112/75D BLK-Fluorocarbon	9
16	24-120			O-ring	2
17	24-131			o-ring	2
18	24-134			o-ring	1
19	24-012			o-ring	6
20	24-014			o-ring	2
21	24-031			o-ring	2
22	24-129			o-ring	2
23	60-122486A02	Parker Seals		O-ring WHT viton	2
24	AS-568A			KF40 o-ring	1
25	60-119075A71			O-ring 93-500/70D WHT Viton	1
26	16-143143-01			Lamp_IR Halogen SE-014387-N1,480V-DBL SPRT-CAPT Screw	8
27		Pall Trinity Micro	4HD4886-1743	Filter, F1522-257567,48-106651A54	1
28	85-16395		02-188759D01	ASSY-CA-ACTR SMART MOTOR TO ACTR	1

29		Ultra Motion	SA-4-A.083-AB-2-K-1/4-KNOB	Actuator	1
30		BIMBA	02-188759D01	Actuator Home Switch	1
31		SamrtMotor	SM1720M	Actuator Motor	1
32		Advanced Energy, AERA	FC-D982	MFC, HCL, 30000 SCCM	1

DNS Coater/Developer

OEM PN	DESCRIPTION
2F388167	4" Spin Chuck
FVC40083	I/D Board Repair
2-39-39335	Spin Motor, Tamagawa TS3510N45
	IDI 300 Pump

GASONICS L3510

Part Number	Description	Remarks
93-2657	Lamp, HG Ozone free	
73797-06	Magnetron	
94-1104	Microwave Generator	
78-0121	O ring Kalrez	
78-0124	O ring Kalrez	
78-0151	O ring Kalrez	
73019-01	Atmosphere switch	
78-2526	O ring Kalrez	
78-0159	O ring Kalrez	
06-2447	Quartz Mushroom Pin	
16784-01	Quartz Spool	
14738-01	Quartz Bubbler	
16337-02	Quartz Collar 1.00"	
16531-01	Quartz diffuser pin	
16532-01	Quartz Lamp Plate	
17289-01	Quartz Lift Pin	
17622-01	Quartz Diffuser	
17688-01	Quartz GDP 200mm	
71805-01	Quartz window EOP	
97-2432	Quartz cooling station pin	
17621-01	Quartz GDP 150mm	
06-0091	Plasma Chamber Quartz (Rev C)	
06-0091	Plasma Chamber Quartz (Rev B)	
60-1016	Filament Transformer	
C12254	Plate Transformer	
73657-07	3 amp buss fuse	
73657-08	5 amp buss fuse	
73780-01	Power Supply PS1	
94-1140	Power Supply PS2	
61-0022	Power Supply PS3	
22-0324	AP Tech Valve N/C	
97-4038	Screen Retro fit kit	
78-2555	O ring Chemraz	
78-2558	O ring Chemraz	
78-2568	O ring Chemraz	
78-2562	O ring Chemraz	
78-2565	O ring Chemraz	
78-2567	O ring Chemraz	
78-2563	O ring Chemraz	
78-2566	O ring Chemraz	
78-2557	O ring Chemraz	

78-2556	O ring Chemraz	
78-2561	O ring Chemraz	
78-2553	O ring Chemraz	
78-2554	O ring Chemraz	
78-2564	O ring Chemraz	
78-2560	O ring Chemraz	
73629-08	Z-Bot Control Card	
94-1105/sq	Z-Bot End Effector Square Pad	
94-1105/rnd	Z-Bot End Effector Round Pad	
95-3629	Z-Bot Ext/Ret Motor Assy	
94-1128	Z-Bot Theta Motor Assy	
94-1127	Z-Bot Z Motor Assy	
57-2453	Z-Bot II Theta Motor Assy	
57-2454	Z-Bot II Z Motor Assy	
94-1131	belt 155T	
94-1130	belt 118T	
73629-02	belt 150T	
73629-03	belt 170T	
73629-01	belt 115T	
73629-04/15-2666	belt 75T	
15-2665	belt 126T	
01-3113	locator 8" sharp angle	
01-3112	locator wafer sharp angle	
16183-01	locator 75mm-150mm	
73336-01	Lamp Cool St	
73336-02	Photo Diode Cool St	
94-3101	Kit valve rebuild	
22-0138	Vac Valve	
73325-02/A	Lamp Halogen 1000W Extra Life	
73325-02	Lamp Halogen 1000W	
97-2358	Hard Drive 500GB	
70953-02	Relay Solid State	
94-1112	3 stub wave guide tuner	
94-1134	vac switch	

Refurbished / Repair parts

94-1104/R	MW Generator Repair	
94-1182/R	Z-Bot II Robot and Controller Refurbish	
90-2590/R	I/O board repair (new style)	
16495-01	I/O board repair (old style)	
QUARTZ		
06-0091	Quartz, Plasma chamber	

16784-01	Quartz, Spool for L3510	
14738-01	Quartz Bubbler	
16337-02	Quartz, Collar 1.25 " hole	
16531-01	Rod diffuser Quartz Lamp	
16532-01	Plate Lamp, Quartz	
17622-01	Plate, diffuser Quartz lamp	
71805-01	Window Quartz, 1.25 Dia.	
15372-01	Pin cooling station,L3510	
15367-01	Pin, Lift platen 75mm, pin style	
17621-01	Quartz Plate, Gas Dist. 150mm	
15380-01	Ceramic standoff insulator	
16209-01	Alignment post insulator	
93-00152A	Quartz with bubbler attached	
MISC		
73789-04	Lamp, HG-Ozone Free, 2.125"	
17060-01	PWR SPLY,HG LAMP,120 VAC	
73325-02	Lamp, Halogen, 120VAC, 1000W	
95-0517	Pentium M CPU PCB (updated version)	
15451-01	Press/EOP PCB	
16495-01	I/O PCB also works with Newset version software 7.5	
15869-01	EOP assembly box with PCB	
16924-01	LCD Video Monitor, replaces plasma display, ESI	
15158-01	Membrane Keypad	
94-1140	PS1 130W +5,-5,+12,-12	
73870-01	PS2 155W +5,+15,-15,+24	
61-0022	PS3 130W +5,-5,+12,-12	
911566	Microwave Generator, AGL 139 type	
912224	waveguide assembly	
94-1112	3 stub microwave tuner assembly	
16092-99	Platen	
23-0071	MFC 4 SLM O2	
232-0075	MFC 500 Scm N2	
73313-03	Filter, Gas, .01M - Inline	
22-0138	ISO Valve, Low profile	
73727-01	Door Cylinder	
73340-02	Hall Effect Sensor	
15382-01	Lifter Cylinder	
95-0253-01	Lifter Sensor	
73019-01	ATM Sensor	
73029-02	MKS, XDUCER,VAC-10 TORR,1/2T,W/VCR	
22-0201-02	MKS, Throttle Valve pressure controller	
70963-06	10 port pneumatic valve assembly with FPL-M3 & FTS4-M3	
001-0000-41	Zbot 2 robot, Brooks style (no driver pcb)	

001-1070-02	Zbot Controller PCB	
15784-01	RF filter assembly	
17105-01	CASSETTE PLATFORM ASSEMBLY	
97-3108	Touchscreen Monitor (PEP)	
06-0153	Showerhead bottom	3010
16532-01	Plate, Quartz Lamp	3010
73797-23	Microwave Control Board	PEP
651008541	486 CPU Board, L3510	
16970-01	SENSOR ASSY,COOLING STAT	
05-2714	Weldment, Heater Plate	
73-317883-00	PEP Eurotherm Temp Controller	PEP

LAM

OEM PN	TLG PN	DESCRIPTION
2201679	5009106135	Screw, Spring, Stainless Steel
2301700	5009106144	Tube, Ceramic
2301856	5009106140	Clamp, Wafer, Ceramic, 6"
147-20426-00	5009106251	Ring, Focus, Modified
228-022-0241	5009001023	10" Deionizer Catridge
60-00134-00	6005100000	Assy., Clamp, Retainer, &, Plunger
660-007613-001	5009105000	Supply, Power
660-007614-001	5009105001	Supply, Power
713-000032-001	5009106005	Bushing, Large, Delring
713-000032-001	5009176001	Bushing, Vespel, Large
713-000032-002	5009176000	Bushing, Vespel, Small
713-002870-001	5009176025	Slit, Window, End Point, Teflon
713-009531-008	5009176046	Screw, Kel-F, 6-32
713-011545-002	5009176016	Guide, Spring
713-011546-002	5009176018	Sleeve, Plunger
713-011574-001	5009176052	Plunger, Kel-F, Long, New
713-011575-001	5009176015	Cap, Kel-F, #10-32 Thru, EZ
713-011577-001	5009176009	Washer, Kel-F, Strap, O.D. -0.625
713-011578-003	5009176023	Guide, Sleeve, Kel-F
713-011579-001	5009176022	Insert, Plunger, Kel-F
713-011584-001	5009106011	Plunger, KEL-F, Old Style
713-011584-001	5009176010	Plunger, Kel-F, New Style
713-011585-004	5009106102	Insert, Teflon
713-011592-001	5009176007	Washer, Kel-F, O.D., -0.625, I.D. -0.200
713-011592-002	5009176008	Washer, Kel-F, O.D., -0.625, I.D. -0.240
713-011650-006	5009106027	Ring, Focus, 6"
713-011926-001	5009176034	Cap, Threaded, Female, Kel-F
713-011928-001	5009176048	Cap, Threaded, Female, #3/8-16, Kel-F
713-011980-001	5009176051	Housing, Plunger
713-015186-008	5009106245	Plate, Match, Fiberglass
713-020911-102	5009176035	Housing, Plunger, Kel-F
713-021267-001	5009176054	Pin, Clamp, Alignment, Head
713-021268-001	5009176049	Pin, Clamp, Alignment, Base
713-021875-001	5009176064	Clamp, Director, Gas, ISO, Lower
713-021875-001	5009176065	Clamp, Director, Gas, ISO, Lower, Modified
713-028485-001	5009176061	Bolt, Electrode, Ring, Clamp, Kel-F
713-028487-001	5009106157	Ring, Confinement, Vespel

OEM PN	TLG PN	DESCRIPTION
713-028553-103 Rev 1	5009106223	Ring, Confinement, Vespel
713-028553-103 Rev 1	5009106224	Ring, Confinement, Ceramic
713-071084-003	5009176059	Pin, Align, Focus, Ring, ESC
713-140214-001	5009176058	Pin, Align, Focus, Ring, ESC
713-140434-001	5009106176	Pin, Index, Ring, Quartz
713-15159-01	5009106246	Veane, Tune
713-249095-001 Rev 1	5009106211	Puck, Alignment
713-250585-001	5009106149	HSG, Isolator, RF
713-330153-003	5009176040	Rod, Adjustable, Clamping, Vespel, 9600
713-330166-002	5009176042	Cover, Rod, Clamping, B.A.C. 9600
713-330311-001	5009176041	Clip, B.A.C. 9600
713-330701-001	5009176069	Cone
713-330703-001 Rev A	5009176067	Rod, Vespel
713-330704-001	5009176070	HSG, SPR
713-347430-001	5009176066	Support, Window, DSQ
713-540183-002	5009106190	Bushing, Lower, Peek
713-540184-002	5009106191	Bushing, Upper, Peek
714-330982-001	5009106218	Liner, Chamber
714-412374-001	5009106197	Tray, Keyboard
715-001147-002	5009106060	Key, 1/8" Sq. x 0.75" Lg.
715-001147-006	5009106061	Key, 1/8" Sq. x 3.00" Lg.
715-004154-001	5009101005	Screw, Ring, Retaining
715-006310-001	5009106123	Spacer
715-006362-006	5009106122	Screw, #8, Anodized
715-006436-001	5009106008	Barrier, Ion, Pll
715-007469-002	5009106083	Electrode, Aluminum
715-008282-001	5009106110	Ring, Clamping
715-008331-001	5009001021	Filter, Millipore
715-008721-001	5009106078	Cathode, Aluminum
715-009161-001	6005000044	Lifter, Wafer
715-009306-005 Rev C	5009126000	Ring, Focus, Lower, 4"
715-009306-006	5009106076	Ring, Focus, 6", Ceramic
715-009306-006	5009106077	Ring, Focus, Aluminum, 6"
715-011116-002	5009106062	Sleeve, Adjust, Nut
715-011125-001	5009001001	Sprocket, Idler
715-011148-002	5009106058	Arm, Tensioner, Chain
715-011148-002	5009106059	Arm, Tensioner, Chain, Pin
715-011148-002-A	6005000004	Assy, Arm, Tensioner, Chain
715-011563-161	5009106003	Clamp, Wafer, Domed, Ceramic, 6"

OEM PN	TLG PN	DESCRIPTION
715-011565-001	5009106024	Bolt, Clamp, Retaining
715-011565-002 Rev C	5009106069	Screw, Vent, #10-32, Pasivated, SS
715-011585-001	5009176020	Cover, Clamp, Bolt
715-011622-101	5009106159	Lifter, Wafer, 4 Pin, Flexible
715-011640-001	5009106002	Ring, Focus, Lower, Aluminum, Black Anodized
715-011640-001	5009106004	Ring, Focus, Lower, Ceramic
715-011746-169 Rev C	5009106029	Clamp, Wafer, Aluminum, 6" (original)
715-011746-169 Rev C	5009106036	Clamp, Wafer, Ceramic, 6"
715-011925-001	5009106022	Bolt, Retaining, Clamp
715-011927-001	5009106023	Bolt, Electrode, Clamp, Ring
715-011982-001	5009106132	Cap, Housing, Plunger
715-012233-003	5009106216	Gate
715-018991-206	5009106237	Electrode, Aluminum, 6"
715-026182-001	5009106145	Electrode, Upper, Aluminum
715-030136-004	5009106125	Ring, Edge, ESC, 6"
715-030136-004	5009106236	Ring, Edge, ESC
715-140286-001	5009106178	Ring, Focus, 6"
715-160153-003	5009106248	Plate, Mounting, Match, DSQ
715-250516-001 Rev 1	5009106141	Clamp, Upper
715-250588-001 Rev E2	5009106142	Clamp, Lower
715-250596-001	5009106151	Clamp, Upper
715-250599-001	5009106146	Diffuser, Upper, Electrode
715-250672-001 Rev A	5009106137	Sleeve, Teflon
715-250717-001	5009106147	Electrode, Upper, 150mm
715-330152-003 Rev 1	5009106104	Housing, Spring, Adjustable
715-330312-001	5009106105	Ring, Retaining, Clip
715-330394-002	5009106221	Bracket, Chamber
715-330706-001	5009106250	Plate, End
715-330928-002	5009106215	Liner, Port, Turbo
715-330981-001	5009106214	Liner, Window, Endpoint
715-330984-001	5009106235	Ring, ESC, Gap, Fixed, Injector, Gas, Bottom
715-331211-001	5009106167	Liner, Chamber, Recoat Aluminum Oxide
715-360197-001	5009106170	Gasket, VCR, Drilled
715-495022-001	5009106219	Screw, Vented
715-495022-001	5009106220	Screw, Non-Vented
716-005124-001	5009106153	Window, Quartz, Rear
716-005773-006	5009106042	Ring, Focus, Electrode
716-006711-001	5009106005	Electrode, Quick Change, Graphite
716-006711-001	5009106021	Cathode, Graphite

OEM PN	TLG PN	DESCRIPTION
716-006721-001	5009106001	Ring, Insulator, Ceramic, Large
716-006753-001	5009106000	Insulator, Ceramic
716-006753-001	5009106038	Insulator, Ceramic
716-008854-001	5009106222	Diffuser, Disk
716-011009-001	5009106150	Window, Quartz
716-011533-001	5009106065	Window, Quartz
716-011563-161	5009106143	Clamp, Wafer, Domed, 6"
716-011563-162	5009106009	Clamp, Domed Ceramic, 6"
716-011570-001	5009106030	Filler, Orifice, w/c Ceramic
716-011571-001	5009106066	Washer, Turn, 1/4"
716-011571-001	5009176021	Washer, Ceramic
716-011572-001	5009106020	Clamp, Retainer
716-011573-001	5009106019	Plunger, Ceramic
716-011573-004	5009106064	Plunger, Ceramic
716-011638-006	5009106007	Ring, Focus, Ceramic
716-011638-008	5009106116	Ring, Focus, Thin
716-011749-006	5009106032	Ring, Lower, Electrode
716-011759-016	5009106010	Ring, Mounting, Ceramic
716-011922-001	5009106072	Ring, Electrode, Ceramic
716-011923-001	5009106071	Ring, Plunger, Ceramic
716-011981-001	5009106131	Plunger, Clamp Wafer, Lower
716-021873-001	5009106241	Disc, Director, Gas
716-021874-001	5009106240	Leg, Director, Gas
716-028123-002 Rev 1	5009106091	Ring, Filler, Ceramic
716-028414-015 Rev 1	5009106090	Ring, Focus, Ceramic
716-028454-012	5009106204	Disk, Quartz
716-028668-262	5009106087	Wafers, Clamp, Shadow, 6"
716-028678-261	5009106085	Wafers, Clamp, Shadow, 6"
716-028688-261	5009106200	Clamp, Wafer, Match, Bottom
716-028688-261	5009106205	Ring, Equipment
716-028721-262	5009106112	Wafers, Clamp, Shadow, 6"
716-028721-281	5009106115	Clamp, Shadow, Ceramic, 8"
716-029435-006	5009106089	Ring, Electrode, Ceramic
716-030135-001	5009106213	Ring, Edge, 8"
716-030136-001	5009106158	Ring, Edge, ESC, 6"
716-031052-001	5009106152	Window, Point, End, Quartz
716-071295-003	5009106231	Pin, Lift
716-072165-005	5009106230	Ring, Aperture
716-140141-001	5009106238	Ring, Hot, Edge, 6", ESC, Deg, 15

OEM PN	TLG PN	DESCRIPTION
716-140163-261	5009106162	Ring, Hot Edge, 15 DEG, ESC, STD, 6"
716-140236-062	5009106171	Ring, Confinement, Quartz
716-160255-002	5009106067	Chamber, Plasma, Quartz
716-249040-001 Rev A	5009106119	Ring, Quartz, Undercut, Lip, Split
716-249040-002 Rev A	5009106120	Ring, Quartz, Lip, Split
716-250080-001	5009106169	Insulator, Upper, 150MM
716-250972-001 Rev A	5009106117	Pin, SiC
716-330045-004	5009106207	Ring, Focus, 8"
716-330045-261	5009106160	Ring, Edge, ESC 6"
716-330061-006	5009106070	Ring, Baffle, Ceramic
716-330167-161	5009106088	Clamp, Shadow, TCP
716-330167-281	5009106079	Clamp, Ring, Bottom, 8"
716-330355-002	5009106166	Window, Endpoint, Quartz
716-330504-064	5009106113	Ring, Focus, Ceramic
716-330890-001	5009106208	Ring, Base, Ceramic
716-330891-002	5009106174	Window, Quartz, TCP
716-330892-007	5009106175	Plate, Ceramic
716-331051-002	5009106187	Ring, Focus
716-331099-001 Rev B	5009106239	Ring, Edge, ESC, 6", Top
716-443083-004	5009106181	Ring, Confinement, Top
716-443084-003	5009106184	Ring, Confinement, Bottom
716-443086-301	5009106180	Ring, H Edge, Si SGL x TALL, H Wall, 8"
716-443090-002	5009106228	Ring, Quartz
716-461085-001	5009106203	Scraper, SiC
716-540198-001	5009106188	Window, Silica, Fused
716-540199-001	5009106201	Lens, Convex, Silica, Fused
718-443144-006	5009106194	Screw, Peek
720-000930-020	5009001018	Screw, Cap, 6-32
720-009530-008	5009176014	Screw, Kel-F, 1/4 - 20 x 0.5", Lg., FHSL
720-009530-016	5009176050	Screw, FHSL, Kel-F, 1/4-20
720-009531-004	5009176019	Screw, #6-32 x 1/4, Kel-F
720-009531-010	5009001019	Screw, KEL-F, 6-32x5/8
720-009531-010	5009176043	Screw, 6-32 x 5/8
720-009531-016	5009176013	Screw, Kel-F, #6-32 x 1" Lg. FHSL
720-009532-010	5009176071	Screw, Flathead, 6-32 x 5/8", Vespel
720-090943-010	5009176036	Screw, 10-32, Kel-F
720-092759-016	5009106118	Screw, Ring, Confinement, Vespel
720-092759-016	5009106130	Screw, Vespel
720-093814-008	5009106244	Screw, Cap, 6-32x0.50, Ceramic

OEM PN	TLG PN	DESCRIPTION
720-093814-008	5009176063	Screw, Vespel, 6-32x0.50
720-093815-006	5009106243	Screw, 6-32x0.38, Ceramic
720-093815-006	5009176062	Screw, Vespel, 6-32x0.38
720-093867-005	5009001017	Screw, Set, 9600
720-094109-012	5009176012	Screw, Kel-F, #10-32 x 3/4", Lg., SHCS
720-098325-004	5009106252	Screw, Flathead, Soc, Titanium, Vented, 8-32 x 1/4
720-443096-014	5009106196	Screw, Nylon
720-443208-010	5009106193	Screw, Baffle, Peek
721-250695-001	5009106134	Washer, 1/4", Stainless Steel
722-000966-002	5009001014	Nut, Hex, Jam, 1/4-20, S/S
722-009637-001	5009176017	Nut, Hex, Kel-F, #10-32 Thru
723-007749-001	5009001008	Spacer, Shaft, 1/4"OD
726-001046-001	5009001012	Ring, Retaining
726-250712-001	5009106138	E-Clip, SS
734-093789-001	5009106094	Seal, O-Ring, Gate, Chamber
739-000421-001	5009102072	Seal, .750
739-000422-001	5009102043	Seal, Teflon
739-000422-001	5009102071	Seal, .250
739-000983-001	5009102044	Seal, Teflon
739-000983-001	5009102069	Seal, Teflon, Small
739-000984-001	5009102046	Seal, Teflon
739-000984-001	5009102068	Seal, Teflon, Large
739-000985-001	5009102045	Seal, Teflon
739-000985-001	5009102070	Seal, Teflon, Medium
739-007783-001	5009002002	Seal, Quad, Q4454
739-090783-001	5009106189	Contact, Strip, Copper
746-001125-001	5009101004	Bearing, Thrust, 1/4" ID
746-007608-001	5009101003	Washer, Thrust, .25" x .060"
746-007652-001	5009001004	Bearing, 15M, Cont, Angle, Row, Double
746-090156-001	5009001011	Bearing, Flanged, Shielded, Double
750-001127-001	5009001009	Chain, Roller, Link #25, Offset
750-002176-001	5009001007	kit, Master-Link #25
750-007781-001	5009001006	Chain, Roller, 52.00", SST, #25
750-007782-001	5009001010	Chain, Roller #35, 15.75" Lg.
750-090192-001	5009001002	Link, Master, SST, #35
752-000224-008	5009106107	Pin, Roll, 3/32 x 1/2 Lg.
752-000236-001	5009106108	Pin, Roll, 1/8 x 3/4
752-002045-005	5009106109	Pin, Roll, 1/16 x 3/8
752-007513-001	5009101006	Key, 3/32x0.60

OEM PN	TLG PN	DESCRIPTION
754-007751-001	5009001015	Spring, Tensioner, SS
754-009002-015	5009101009	Spring, Compression, SST
754-009002-015	5009101009	Spring, Plunger, Assy, 30 lbs.
754-090359-015	5009101010	Spring, Compression, SS
754-090457-014	5009101008	Spring, Clamp, Retaining
754-091624-001	5009101007	Plunger, Housing, Spring
754-092082-002	5009001024	Bearing, Guide, w/Spring, Leaf
754-093243-006	5009001016	Spring, Cprsv, Wire, 9600
754-093243-006 Rev 1	5009001016	Spring, Assembly, Plunger, 9600
754-250529-001	5009106136	Spring, Screw, Shoulder
756-007809-010	5009001013	Screw, Schd, Shldr, 10-32
765-007786-001	5009001003	Sprocket, Driven, 1.214 Pd
765-007787-001	5009001000	Sprocket, Driven, 2.873 Pd
766-008456-001	5009002000	Valve, Air
790-006301-001	5009176055	Lifter, Chamber, Back-up
790-008882-195	5009102066	Belt, Drive, Harmonic, XLL, Small
790-008882-205	5009102067	Belt, Drive, Harmonic, XLL, Large
790-092080-002	5009001022	Bearing, Lock, Over
790-092081-001	5009102087	Bolt, Crank
795-250729-001	5009106148	Lens, Convex
796-002672-001	5009102058	Gasket, Nupro
796-002673-001	5009102059	Stem, Nupro
796-002673-001	5009102064	Tip, Nupro
796-028633-010	5009126003	Screw, AL, Plate, Baffle
796-093622-001	5009106168	Gate
839-003958-001	5009106124	Diffuser, LL
839-012255-001	5009106255	Bellows, Gate, Inner
839-012255-001	5009106256	Repair, Bellows, Gate, Inner
839-140210-001	5009106186	Cover, ESC
839-249094-001 Rev A	6005000043	Housing, Pin, SiC
839-249332-001 Rev E1	6005000032	Housing, Pin, SiC, SS
839-470315-001	5009126006	Cap, Gas
852-011060-001	6005000008	Kit, Gap
852-011060-xxx	6150000009	Kit, Sub-Assy, PM, Motor, RF, Gap
852-011061-001	6150000016	Kit, Sub-Assy, PM, Housing, Chamber, Electrode, Lower
852-011061-001	6150000018	Kit, Sub-Assy., PM, Housing, Chamber, Lower
852-012525-001	6150000020	Kit, Sub-Assy., PM, Spinner, Lifter
853-011555-001	6150000010	Kit, Sub-Assy, PM, Electrode, Upper
853-012100-003	6150000008	Kit, Sub-Assy, PM, Housing, Arm

OEM PN	TLG PN	DESCRIPTION
853-012123-001	6150000012	Kit, Sub-Assy, PM, Housing, Chamber, Upper, Oxide
853-012200-002	6150000007	Kit, Sub-Assy, PM, Gate
853-250784-001-1	5009106212	Puck, Alignment
853-330721-001	6005000064	Assy, ACTR, JD, BAC
853-441511-001 Rev 1	5009126005	Plate, Cap, Gas
857-010229-001	6005000007	Puck, Alignment
860-010113-001	6150000017	Kit, Sub-Assy, PM, Housing, Loadlock, Exit
720-092758-010		SCREW,FL HD,SLTD,VNTD,4-40x5/8(Ceramic)
720-093815-006		SCR,FLT HD,6-32 x 0.38(Ceramic)
720-093814-008		Screw,SKT HD,6-32 x 0.50(Ceramic)

MRC

OEM PN	TLG PN	DESCRIPTION
D112577	5010006000	Pin, Holder, Wafer, Ceramic, 603
D114421	5010006001	Pin, Loc, Holder, Wafer, Ceramic, 603
D119223	5010306010	Shld, Dark Space, PM, A12, SS
D119224	5010306002	Shld, Dark Space, RMX-12, Al
D121506	5010306000	Shld, Gate, Valve Spacer, Al Grit
D121510	5010306009	Shld, Gate, Valve Spacer, SS
D123461	5000306012	Shld, Spnt, Sm Bend, 150 mm
D123463	5010306007	Shld, Door, RMX-12, Long, Al
D123464	5010306003	Ring, Spacer, Al
D123465	5010306004	Shld, Door, RMX-12, Short, SS
D123466	5010306011	Ring, Spacer, SS
D123606	5010306005	Shld, Pod, Sht, SS Grit
D123608	5010306008	Shld, Pod, Long, Al Grit
MRC-PT-TIM-3	5010006002	Insulator, Upper, TC, Ceramic, 603
813-28-450	5010006004	Bellows, Lock, Load
1110-422926-11	5010006015	Fitting, Exchangeable, (DS)
	5010006003	Insulator, Lower, TC, Ceramic, 603
	5010006005	Clip, Spring
	5010006006	Nest, Pliers, Top
	5010006007	Nest, Pliers, Bottom
	5010306001	Shld, Spnt, Sm Bend, 150 mm, C'Td, Al
	5010306002	M-Item-3
	5010306003	M-Item-4
	5010306004	M-Item-5
	5010306004	Shield, Door, RMX-12, Long, SS
	5010306005	M-Item-6
	5010306006	Ring, Clamp, Wafer

OEM PN	TLG PN	DESCRIPTION
	5010306009	Shield, Spacer, Valve, Gate, Grit, SS
	5010306012	Shield, Sputter, Bend, Small, C'TD, 150mm
	6002400000	Tool, Clip, Spring
6041820		Center Shaft Support Bearing
A100273		Wldmt,Bellow, Front Cover, Short Bellow (Star
A119576		Bellow Loadlock High Vac , Long Bellow (Mark II)
A110139		Bellow Backplane, 10" Diameter
A123317		INNER HEATER, 150MM, TUBULAR
A123318		Outer Heater MRC Double Zone Heater

NOVELLUS

OEM PN	TLG PN	DESCRIPTION
02-00008-00	6001000038	Kit, PM, Adjustment, Showerhead
02-00078-00	6001000050	Kit, PM, T/C
02-00163-00	6001000047	Kit, Assembly, Fork, Spindle
02-033644-00	6001000045	Kit, PM, Chamber Top, V-Port, SPD
02-111903-00	6001700002	Assembly. Feedthru, RF
02-121642-00	74003-1210	Chuck, DS-1 1C, ESC, Rebuild
02-130205-00	6001700007	Gate, L-Type
02-137467-45	5015006184	Holder, Ceramic, 45°, 300mm
02-141488-07	5015006183	Holder, Ceramic, 67°, 300mm
03-00215-00	6001700004	Showerhead, Diffuser, Gas
05-000024-00	6001000053	PM, Kit, Heater, Conn Dual Frequency
05-00005-00	6001000046	Kit, PM, Retro, 1P, Heater, Replacement
05-00007-00	6001000052	Kit, PM, Chamber, Reactor
05-00013-00	6001000049	Kit, PM, Overhaul, Spindle
05-00023-00	6001000051	Kit, PM, Semi-Annual
05-00024-00	6001000010	Kit, PM, Heater, Frequency, Dual
05-00024-00	6001000037	Kit, PM, Heater, Frequency, Dual
05-10306-00	6001000039	Kit, PM, WCVD Spindle Shaft
05-114025-00	6001700017	Kit, Shim
05-11902-00	6001000066	Kit, Upgrade, Strap, Feedthru, RF
15-00027-02	5015006047	Guide, Nozzle Adjuster
15-00043-02	5015006054	Adjuster, Ceramic, Gas Plate
15-00093-00 Rev.G	5015006050	Panel, Lock, Load
15-00126-00	5015006034	Strap, Heater Ground, Aluminum
15-00229-00 Rev.B	5015006048	Nut, Hex, 1/2 - 20, Aluminum
15-00309-00	5015006172	Hanger, Nozzle, 200mm
15-00309-01	5015006077	Hanger, Nozzle, 1.50" (200mm)
15-00309-01 Rev. J	5015006119	Screw, Head, Gas
15-00311-00	5015006022	Nut, Cap, 1/4-20, Ni
15-00341-00	5015006041	Screw, HexHd, 1/4 - 20 x 1/4", Ni
15-00371-00	5015006035	Nut, Hex, 1/4 - 20, Ni
15-00371-00	5015006057	Nut, Hex, 1/4 - 28, Ni
15-00372-00	5015006016	Washer, Flat, 1/4", Ni
15-00385-00	5015006017	Nut, Hex, 10-32, Ni
15-00386-00	5015006010	Washer, #10, Ni
15-00386-00 Rev. D	5015006081	Washer, w/Flat, #10, Ni

OEM PN	TLG PN	DESCRIPTION
15-00398-00	5015006075	Screw, Support, Heater
15-00399-02	5015006020	Screw, 8-32 x 0.96", Ni
15-00399-03	5015006018	Screw, Spindle, Top
15-00399-04	5015006019	Screw, Spindle, Top 1.02LG
15-00399-05	5015006013	Screw, Spindle, Top 1.12LG
15-00401-00	5015006123	Shaft, Spindle
15-00409-00	5015066000	Window, Pyrex
15-00409-00	5015066002	Window, Quartz
15-00416-00	5015006147	Flange, Ring, Spacing, 4"
15-00457-00	5015006021	Screw, Strap, Heater, 10-32 x 0.25", Ni
15-00475-00 Rev.D	5015006015	Insulator, Gas Feedthru, Ceramic
15-00479-00	5015006177	Gear, Geneva
15-00553-05	5015006027	Shim, Heater, .005", Flat
15-00553-10	5015006028	Shim, Heater, .010", Flat
15-00553-18	5015006195	Shim, Heater, 0.018 Flat
15-00553-25	5015006200	Shim, Flat, 0.025
15-00553-31	5015006029	Shim, Heater, .031", Flat
15-00554-05	5015006025	Shim, Heater, .005", V-Type
15-00554-10	5015006024	Shim, Heater, .010", V-Type
15-00554-18	5015006196	Shim, Heater, 0.018", V-Type
15-00554-25	5015006201	Shim, V Typw, 0.025
15-00554-31	5015006026	Shim, Heater, .031", V-Type
15-00558-01	5015006052	Sleeve, Lead, Htr, 2.00", Ceramic
15-00558-02	5015006053	Sleeve, Lead, Htr, 2.75", Ceramic
15-00567-00	5015006031	Cap, TC, 1/8" ID, Ceramic
15-00578-00 Rev.D	5015006083	Sleeve, Flanged, Feedthru, Htr, Ceramic
15-00614-00	5015006030	Cap, TC, 1/16" ID, Ceramic
15-00653-00	5015006186	Spindle Hub Mount Clamp
15-00654-00	5015006002	Clamp, Adjustment, Rotation
15-00684-00	5015006098	Cap, TC, 1/16" ID, Ceramic
15-00685-00	5015006046	Feedthru, O-Seal, 3/8", UltraTorr
15-00686-00	5015006049	Washer, Feedthru, 1/2" ID, Aluminum
15-00698-00	5015006012	Screw, Fork
15-00699-01	5015006007	Finger, Fork, 7.5"
15-00700-00	5015006105	Plate, Retainer, Fork, Bottom
15-00701-00	5015006001	Fork, Plate, Bottom
15-00702-00	5015006106	Plate, Retainer, Fork, Top
15-00703-00	5015006000	Fork, Plate, Top
15-00721-00	5015006036	Washer, #8 Ni

OEM PN	TLG PN	DESCRIPTION
15-00729-00	5015006003	Clamp, Flat
15-00730-00	5015006004	Flange, Keyed
15-00731-00	5015006006	Bushing, Keyed, Ceramic
15-00839-00	5015006132	Screw, Ni 1/4-20 x .9 LG
15-00866-00	5015006127	Spring, Ceramic
15-00932-00	5015006107	Screw, 1/4-20 x .50" LG, Nickel (Concept Two)
15-00935-01	5015006093	Screw, 10-32 X .75, Ni
15-00935-01 (Mod.)	5015006162	Screw, Hex, Socket, Nickel
15-00951-00	5015006014	Cup, Screw Cover
15-00982-00	5015006167	Shaft, Spindle
15-01049-00	5015006212	Paddle, 6", Molybdenum
15-01049-00	5015006213	Paddle, 6", Ceramic
15-01103-00 Rev A	5015006171	Shaft, Lift, Ring
15-01104-00	5015006110	Screw, 10-32 x .75, Nickel 200
15-01104-00	5015006129	Screw, 10-32 x .75, Ni (0.100 Shoulder)
15-01143-00	5015066003	Window, Quartz, EP Option
15-024611-00 Rev. C	5015006161	Arm, Robot
15-024881-00	5015006155	Fork, End, Cap
15-028766-00	5015006125	Ring, Guard, 200mm
15-032014-00	5015066004	Window, Quartz, Etch Resistant
15-032016-00	5015006178	Pin, Insert, Ceramic
15-032451-00	5015006126	Window, Chamber, Lexan
15-032452-00	5015006126	Window, Lexan, Chamber
15-032502-00	5015006111	Pin, Lift, Wafer
15-032631-00	5015006080	Flange, Keyed
15-032777-00	5015006118	Ring, Moer, 2.00
15-032939-00	5015006169	Ring, Moer, 2.25mm
15-033278-00	5015006144	Ring, V-Port
15-033279-00	5015006145	Viewport, Lexan
15-033874-00	5015006142	Plug, Injector, Manifold
15-033947-00	5015006124	Plate, Cover, 200mm (P.E.C.)
15-034333-00	5015006117	Tube, Injector, Process
15-034851-00	5015002058	Bushing, Split
15-046056-00	5015006109	Bolt, Non-Vented, 1/4-20 x 1.0" Ni
15-046056-00	5015006112	Bolt, Vented, 1/4-20 x 1.0" , Ni
15-050160-15	5015006227	Tube, Ceramic, 1.5"
15-051711-25	5015006149	Tube, Ceramic, 2.5"
15-052375-00	5015006205	Finger, Ceramic, Plate, Transfer
15-052619-00 Rev.D	5015006099	Tong, Ceramic, 8"

OEM PN	TLG PN	DESCRIPTION
15-053271-02	5015006192	Tube, Injector, Gas, Clean
15-053394-01 Rev.A	5015006082	Finger, Fork, Ceramic, MC
15-053394-02 Rev.A	5015006121	Finger, Fork, Ceramic, MC, 200mm
15-053394-02 Rev.A	5015006128	Finger, Fork, Ceramic, MC, 200mm
15-053394-03	5015006158	Finger, Fork, Ceramic, MC, 200mm-Modified
15-053394-03	5015006157	Finger, Fork, Ceramic, MC, 200mm--New Style
15-054434-01 REV A	5015006215	Ring, Moer, 3.0mm
15-054434-02	5015006168	Ring, Moer, 1.50mm
15-054577-00	5015006204	Holder, Wafer, Ring, Moer
15-054583-00	5015006203	Clip, Retaining, Holder, Moer
15-054585-00	5015006206	Ring, Moer, 2.25mm
15-055720-00	5015001002	Ring, Spacer
15-055721-00	5015002033	Bushing, Split
15-100603-00	5015006202	Insulator, Distribution, Gas
15-101482-00	5015006138	Fork, Top Plate, A, Antideflect
15-101482-01	5015006140	Fork, Top Plate, Antideflect
15-101482-02	5015006151	Fork, Top Plate, Antideflect
15-103913-01	5015006101	Feedthru,Copper, (Upgrade)
15-103913-02	5015006096	Clamp, Strap, Feedthru
15-103913-03	5015006189	Sheath, Teflon
15-103913-04	5015006194	Sheath, Teflon, Feedthru
15-10489-00	5015006174	Mount, Slide, Window
15-105508-00	5015006197	Ring
15-107698-00	5015006083	Sleeve, Flanged, Feedthru, Htr, Ceramic
15-108174-00	5015006102	Cup, Cover, Screw
15-108307-00	5015006095	Clamp, Strap, RF
15-110411-00	5015066007	Window, Sapphire, Pure, Thin
15-11188-00	5015006188	Window, Zelux
15-113064-00	5015006137	Nozzle, Injector, Speed-S
15-113064-00	6001700010	Nozzle, Injector, Speed-S
15-114331-00	5015006094	Screw, Cap, Nickel, 1/4-20 x 0.5
15-119059-00	5015006159	Screw, Cap, Nickel, 1/4-20 x .25lg
15-120150-01	5015006193	Tube, Injector
15-122178-00	5015006207	Ring, Carrier, Spindle, Upper
15-123086-01	5015006191	Tube, Injector
15-130746-01	5015006185	Fork, Dimple, Ceramic
15-156718-00	5015006176	Ring, Moer, 1.0mm
15-161439-00	5030000011	Iridia Isolator Plate
15-250878-00	5015006182	Screw, Ceramic

OEM PN	TLG PN	DESCRIPTION
15-259022-20	5015006225	Injector, Sapphire, Solid, 0.020
15-259022-21	5015006219	Injector, Sapphire, Solid, 0.021
15-259022-22	5015006220	Injector, Sapphire, Solid, 0.022
15-259022-23	5015006221	Nozzle, Injector, Speed
15-259022-24	5015006226	Injector, Sapphire, Solid, 0.024
16-00092-00	5015006044	Strap, Heater, Insulated
16-00092-00	5015006084	Strap, Heater, Angled, Insulated
16-00098-00	5015006043	Strap, Heater, Insulated, Long, Standard
16-00098-00	5015006166	Strap, Heater, Insulated, Long, EZ
16-033931-00	6001700011	Showerhead, 8"
16-033932-00	6001700003	6" Showerhead
17-00094-00	5015006032	Strap, Bias, LF, Aluminum
17-00094-01	5015006103	Strap, LF Bias, Aluminum
17-00094-01	5015006217	Strap, LF Bias, Aluminum, Modified
17-00148-00 Rev. D	5015006011	Spring, Fork
17-00175-00 Rev.A	5015056000	Clamp, Fixture, Fork, Ceramic
17-032018-00	5015006181	Screen, RF
17-101596-00	5015006139	Retainer, Fork
17-103987-00	5015006092	Strap, RF
19-00056-00	6001700001	Assembly, Feedthru, Heater
19-00056-00	6101000009	Sub-Assembly, Feedthru, RF, Refurbishment
19-00266-01	5015704005	Motor, Ext
19-00267-01	5015704006	Motor, Rotation
19-00268-01	5015704004	Motor, Lift
19-00273-00	5015006108	Washer, Spring, Modified
19-034573-04	5015001013	Bearing, WTM, Linear/Rotary 1"
20-00153-00	5015006058	Ball, Support, Heater, Ceramic, 2"
20-00212-00	5015006079	Nut, 8-32, Aluminum
20-00221-00	5015006085	Washer, #8, Flat, Aluminum
20-00222-00	5015006104	Washer, Flat, 1/4", Aluminum
20-00224-00	5099010000	Washer, .920OD x .200, D
20-00244-00	5015006115	Nut, Hex, 1/4-20, Brass
20-00248-00	5015001009	Bearing
20-00248-00	5099010001	Spacer, #5 Shaft x 0.060" TK
20-00249-00	5015001008	Screw
20-00249-00	5015006209	Screw, Shoulder, 4-40x5/32"
20-00428-00	5015006218	Ring, Retainer
20-00452-00	5015006134	E-Ring, 1/2"
21-00041-01	5099010002	Screw, Set 4-40 1/4 LG, SS

OEM PN	TLG PN	DESCRIPTION
21-00064-00	5099010003	Washer, Flat, #10
21-00067-00	5099010004	Washer, Lock, #4
21-00093-00	5099010005	Screw, 10-32 3/8 LG, SS, SKTHD
21-00137-00	5099010006	Screw, 10-32 UNF X 7/8LG, SS
21-00188-00	5099010007	Washer, Lock, #8
21-00258-00	5099010008	Screw, FltHd, Cap, 8-32 x 3/4"
21-00327-00	5099010009	Screw, Set, Pt, Cup, 8-32 x 3/8"
22-00006-00	5015005002	Filter, Mini Waferguard, L-P, VCR, 1/4"
22-00202-00	5015702004	Fitting, Tube, 1/8" MPT-O x 1/8"
22-00206-00	5015001007	Bearing, WTM, Linear/Rotary 1"
22-00256-00	5015002024	Seal, Static, Spindle
22-00288-00	5015001010	Bearing
22-00288-00	5015002023	Seal, T, Spindle
22-00288-00	5099202097	Seal, T
22-00297-00	5015002054	Ferrule, Front
22-00299-00	5015006210	Bearing, Cam, Follower
22-00324-00	5015002008	Seal, Lip, Indexer
22-00324-00	5015702000	Seal, Lip
22-00325-00	5015002007	Seal, Outer Lip, Indexer
22-00343-00	5015002045	Sleeve, 3/8" O-Seal, UltraTorr
22-00417-00	5015001004	Gasket/ Retainer, VCR, 1/4, Nickel
22-00425-00	5015002052	Nut, Swagelok
22-00426-00	5015002053	Ferrule, Back
22-00612-00	5015702011	Valve, VCR, Female, 1/4", NC, Springless
22-00631-00	5015002049	Assembly, Seal
22-00658-00	5015002010	Seal, Flange
22-026085-00	5015702010	Valve, Pneumatic, 2 Actuator, 3 Port
22-026373-00	5015005009	M/F, VCR, 1/4"
22-028206-00	5015006133	Screw, Skt, Hex, 10-32 x0 .5,Vented,Nickel Plated
22-028382-00	5015002048	Seal, Flange
22-046263-00	5015006148	Coupling
22-10018-00	5015002026	Seal, Door, Loadlock
22-101315-00	5015001001	Spacer, Bushing, Split, Spindle
22-112015-00	5015006199	Follower, Feedthru, RF
22-112017-00	5015006113	Washer, Flat, Brass
22-112018-00	5015006114	Nut, Hex, 1/4-28, Brass
24-10002-00	5015704007	Sensor, L Shape

OEM PN	TLG PN	DESCRIPTION
27-00010-01	5015702005	Thermocouple, Type J, 1/8"
27-00029-00	5015704000	Quad Output Power Supply
27-00066-00	5015704001	24-Volt Power Supply
27-118072-00	5015704002	Match, Auto
27-179819-00	5015002050	Valve Alkon 239/R2 24 VDC
31-00114-00	5015704003	Relay, SSR, 90A
34-00133-00	5015006070	Seal, Feedthru, Elec, Teflon
36-00012-04	5015001003	Fuse
60-00013-00	5015702006	Cylinder, Pneumatic, LL Door
60-00019-00	5015702002	Ring, Centering, O-Ring, KF25
60-00026-00	5015001006	Ring, Centering, O-Ring, NW100
60-00039-00	5015002055	Seal, Ctring Assy, NW40
60-00180-00	5015001005	Transducer, Vacuum, Flange, KF25
60-10059-00	5015005010	Filter, CDA
60-10129-00	6001700005	Gate, Aluminum
	5015006216	PEC
	6001000000	Kit, Upgrade, Load, Ceramic
	6001000001	Kit, PM, Heater
	6001000002	Kit, PM, Day, 30
	6001000003	Kit, PM, Day, 90
	6001000004	Kit, PM, Day, 180
	6001000007	Kit, PM, Quarterly
	6001000008	Kit, Concept One, Shower Head, Kalrez
	6001000009	Kit, Concept One, Shower Head, Viton
	6001000011	Kit, PM, Day, 30
	6001000012	Kit, PM, Rebuild, Spindle
	6001000013	Kit, PM, Replacement, T-Seal
	6001000014	Kit, PM, Loadlock, Day, 180
	6001000016	Kit, PM, Seal, Chamber, Process, 90 Day
	6001000018	Kit, PM, Clean, Wet, Day, 180
	6001000019	Kit, PM, Clean, Wet, Day, 90
	6001000020	Kit, PM, Wet, Day, 30
	6001000021	Kit, Replacement, Head, Shower
	6001000022	Kit, PM, Quarterly

OEM PN	TLG PN	DESCRIPTION
	6001000024	Kit, PM, Seal, Annual
	6001000026	Kit, PM, Semi-Annual
	6001000028	Kit, PM, Seal, Day, 30
	6001000031	Kit, PM, Strap, Bias, LF
	6001000032	Kit, PM, Hardware, Nickel
	6001000033	Kit, PM, Strap, RF, Heater
	6001000040	Kit, PM, Replacement, Mount, Showerhead
	6001000064	Kit, PM, Speed
	6001700013	Tool, Removal, Spindle
	6001700014	Tool, Removal, Spindle
	6101000004	Kit, PM, Hardware
	6101000011	Kit, PM, Heater
	6101000012	Kit, Rebuild, Spindle
	70005-4402	Handle, Cassette, 6"
	71001-3300	Cassette, 6"
	71001-3400	Cassette, 8"
	72004-3000	Cart, PM
	79001-1003	Tool, Alignment, Showerhead, 6" 1 2 3 4 Schematic
	79001-1004	Tool, Alignment, Showerhead, 8" 1 2 3 4 Schematic
	79001-1005	Tool, Alignment, Showerhead, 8", Maxus 1 2 3 4 Schematic
	79001-1006	Tool, Alignment, 8", Modified
	79001-1008	Tool, Alignment, 6", Modified

SEMITOOL SRD

Description	TLG Part#	Semitoool Part #
2-stage DI Valve, Teflon/PVC	10-112110	12020-01
2-stage N2 Valve, Teflon/PVC	10-112100	R110-01
3-stage DI Valve, Teflon/PVC	10-112120	R108-04
Brake Resistor, RH-50	12-311200	60272
Cap Screw, QD Rotor	03-180100	Z573R0020-03
Direct Drive Motor, ½ HP 90VDC (rebuilt)	07-211200	17359-01
Motor, ½ HP Brushless 120 VD C (New)	07-211000	17410-01
Door Seal, 260	09-112200	17438-01
Door Seal, 270	09-113200	17438-03
Door Seal, 280	09-114110	17438-05
Ferrofluidic Seal	14-100050	70738
Ferrofluidic Fluid (for #34)	14-100070	70738-F
Heater Blanket, 1 T-Stat 230F	09-510100	
Heater Blanket, 290W, No T-stats	09-500100	60270
Heater Blanket, w/ Dual T Stats	09-520100	60270-04
Heater Cartridge 375W 120V	03-163100	61501
High Flow DI Spray Nozzles	08-300200	341R0010-03
Hub, 260/270 Pin Type	03-122100	Z17360-501
Door Safe Microswitch	12-422100	61567-01
Pressure Switch Adjustable	12-411000	61510
Rear bowl Seal ("F" Model Brushed)	09-120105	10777-1
Rear Bowl Seal ("S" Model Brushless)	09-120100	116R0020-03
Rotor Stop Positioner (RSP/Indexer) 240-270	10-114100	17143-01
Rotor Stop Positioner (RSP/Indexer) 280-2300	10-114120	17143-501
Slinger Ring, PVDF	03-230105	
Solenoid Valve 24V"S"	10-122105	
Solenoid Valve 24v Humphrey	10-122106	61591
Solenoid Valve 120 Humphrey	10-122107	
Solenoid Valve 120 Humphrey (round)	10-122110	
Solenoid Valve, Manifold Mount 120V"F"	10-122110	
Window, 2300 Universal 8 hole	03-141230	17446-507, 508
Window, 260 Left Hinge	00-321120	17446-501
Window, 260 Right Hinge	03-211210	17446-502
Window, 260 Universal Thick lipped	03-211116	17446-501,502
Window, 270 Universal	03-211315	17446-503,504
Window, 270 Left Hinge	03-211305	17446-503

Window, 270 Right Hinge	03-211310	17446-504
Window, 280 Universal 6-hole	03-211400	17446-505,506
Non-contact Labrinyth Seal	15-170700	
Drain Tubing (pre-cut)	08-20021s	
Grommets (Drain)	09-200220	61206
Resistivity Probe (101, 102)	06-500100	
Start Switch Assembly	12-421-200	
Stop Switch Assembly	12-421-205	
Rotor Tach Boards (assembly only)	12-341100	16730-01
Static Eliminator	12-640100	
Resistivity Probe	12-740100	
Filter N2	Stfilter	70003
Controller, 102 Brush-less Model	13-113210	
Controller, Model 328 Brushed	13-112410	
Controller, 101 Brush-less Model	13-113100	900R022-01 / R101-52
Controller, Motor, LC-4 Model (New)	13-113310	
Controller, Motor, LC-5 Model	13-113500	
Non adjustable pressure switch	12-411001	61510
Kbic Motor speed board	KBIC	60701-05
Lens round Green	12-421110	73035
Lens round Red	12-421105	73033
Lens round White	12-421115	73032
Rotor bar tubing (diam	PFA373PC	70733-06
Button head cap (poly)	02-116652	
Vibration Dampner	09-600100	62730
Door Handle RH	03-143101	124R0006-01
Door Handle LH	03-143100	124R0006-02
Door Handle bumper	08-300115	
Micro switch bracket	03-144100	
Hinge mount plate	03-144327	
6 pin female connector	01-210611	
3 pin female connector	01-210340	
3/8" Panel mount connector PVDF	02-214100	
Male branch tee PVDF	02-232400	
Male run tee PVDF	02-234200	
Male run Elbow PVDF	02-222400	
Copper ground bar	03-000001	
Di Manifold 8 station	03-100108	
Di Manifold bracket	03-111110	
Clamp Ring	03-112100	
QD motor bolt	03-123100	212C0001-01
Tach Wheel	03-124010	251U0001-01

Labyrinth seal (assembly)	15-170700	
N2 Manifold 260/270	03-162100	354R0001-503
N2 Manifold 280	03-162110	
N2 Manifold 2300	03-162115	
N2 manifold oring	09-300400	
Thermostats 175 degree snap switch	09-520100	
50 pin ribbon cable	12-212100	
260 door left "S" model"	15-260001	122R001-501
260 door right "S" model	15-260002	122R001-502
270 door left "S" model	15-230001	122R0002-501
270 door right "S" model	15-230002	122R0002-502
280 door left "S" model	03-280445	
280 door right "S" model	03-280545	
2300 door left "S" model	03-230045	
2300 door right "S" model	03-230055	
260 door left "ST Model"	15-260001-ST	
260 door right "ST Model"	15-260002-ST	
270 door left "ST Model	15-230001-ST	
270 door right "ST Model	15-230002-ST	
280 door left "ST Model	03-280445-ST	
280 door right "ST Model	03-280545-ST	
2300 door left "ST Model	03-230045-ST	
2300 door right "ST Model	03-230055-ST	
3" Castor Rigid	01-313100	
3" Castor Swivel	01-313110	
Leveling feet	01-313201	
Static Eliminator plug strap	03-110105	
Cam Spacer	03-124113	17355-01
Static plug	08-300100	
Di manifold 12 position (2300)	03-230055	
Nyloc nut	02-111658	Hnut12200101
End cap for rotor	02-957864	
Lamp Green ST Mode.	12-511000	
Lamp Red ST Model	12-511005	
Lamp Amber ST Model	12-511010	
Motor shaft spacer "ST Model"	03-127060	
101 front membrane panel	101OVL	
102 front membrane panel	4030102	
ST Controller parts		
Fuse Holder	12-328130	
On/off switch	12-328100	

Resistivity switch	12-328110	
Motor speed board Kbic	Kbic	
RPM Meter	12-328115	
Thumb wheels	12-328120	
Additional Services Available:		
Rotor Re-balancing and electro-Polishing	21-350100	
Bowl Hand Polishing (to RA-10 Finish)	21-RA1000	
Bowl, Electropolish Only (customer to disassemble SRD send bowl only to M TEK for EP)	21-EP1000	
Hub Repair and Balance	21-35100	
Bowls & Repairs		
260 Bowl	04-122100	
270 Bowl	04-132105	
280 Bowl	04-142100	
Rotors & Repairs		
Rotor, 4-Bolt, any size 1" to 6"	19-100000	
Rotor, Single Bolt (Quick Disconnect) 1" - 6"	19-127000	
Rotor, Single Bolt (Quick Disconnect) 8"	19-124000	
Rotor, Single Bolt(Quick Disconnect) 12" w/cacassette	19-125000	
Controllers & Repairs		
328 Brushed Controller Repair	21-328100	
101 Model Controller Repair	21-101100	
102 Model Controller Repair	21-102100	

SPTS

SN	Description	OEM P/N	Remarks
1	CVD Shower Head (Aluminum)	110511	
2	Electrode Upper Insulator	111968E02	
3	Insulator Ring	156245	
4	Shield Ring Cover 200 CO/PL	158752	
5	Insulator Ring	188990	
6	ICP Chamber Liner Ceramic	189386	
7	Back Sputter Shield, 150mm	189836	
8	Back Sputter Shield, 100mm	190545	
9	Wafer Shield Cover, Pin ESC, 150mm	716310	
10	Uniformity Ring 157-2 C PL	2023084	
11	300mm HSE Cold Platen Ceramic	2031552	
12	Uniformity Ring 155-16 C PL	2033434	
13	WEP Ring	2023736	
14	Ceramic Ring	2038826	
15	Clamp Ring	2040178	
16	Clamp Ring	2040179	
17	Ceramic Ring, Spacer, Tube Insulator	2043564	
18	Ceramic Clamp Ring	2043565	
19	Ring Insulating CVD Ceramic	110915E03	
20	Generic Electrode Shield, 150mm	111962E02	
21	Electrode Top Plate, 150mm	112165C03	
22	Center Shield, 150mm	112260E02	
23	Quad Clamp Support Ring	112368E01	Pegasus
24	Electrode Top Insulator	112443C02	
25	Electrode Bottom Insulator	112445E03	
26	Quadrant Clamp Sector	112550D01	
27	Ceramic Chamber Liner	189386 Rev 02	
28		701075	
29	Endpoint Chamber, Ceramic	707095	Claritas Endpoint Det. / Pegasus
20	Ring, Shield	1C7367/01	
21	Clamp Finger Assembly	A11182 D	
22	Quad Clamp Finger with Contact Ball, 100mm	A11292 D01	
23	Ceramic Finger w/ Contact Ball, Short, 85mm	AC34020-01	
24	Quad Clamp Finger with Raised Contact Ball, 150mm	AC3420	
25	Outer Shield	DT301067	
26	Ceramic Chamber Liner	DT302261.01	
27	Ceramic Window (ie. "Doughnut")	DT302385.02	
28	Electrode Inner Ceramic Ring	DT303546	
29	Electrode Shield Plate	DT303547.02	
30	Electrode Lower Insulator	DT304657	
31	Electrode Shield Ring	DT304732.01	
32	4.25" Inner Shield	DT307125	
33	Tube Ceramic, 1D100	DT310132.01	

34	ESC Ring Mask Shield	DT317759.01	
35	ESC Ring, 150mm	DT317760.01	
36	Clamp Fingers, 150mm	DT317761.01	Pegasus
37	Pin, Ceramic Edge	DT317767-01	Pegasus
38	Inner Ceramic Liner	DT319142	Pegasus
39	Outer Ceramic Liner	DT319143.01	Pegasus
40	Ceramic Chamber Liner	DT319143.03	
41	Platen Isolator Ring, Upper	DT319628	Pegasus
42	Platen Isolator Ring, Lower	DT319629	Pegasus
43	150mm Platen Top Shield (Wafer Flat)	DT321947	Pegasus
44	Clamp Finger, 100mm, EPS Type	DT322060	
45	Platen Top Shield, 100mm	DT320860	
46	EPS Fingers, 150mm	DT322306	
47	Outer Clamp Ring	DT322662.04	
48	EPS Finger 200mm TD ESC	DT323005.01	Pegasus
49	100mm Top Shield, Ceramic	DT324014	
50	Lower Shield, Ceramic	DT324015	
51	150mm Platen Top Shield	DT325555.01	
52	EDA Shield, 150mm 57.5	DT328033.01	
53	4.25" Clamp Fingers	FB307152	
54	Ceramic Finger w/ Contact Ball, Long, 89mm	FB307763-01	
55	EPS Ring Assembly	FB322304	
56	Quadrant Clamp Finger, 100mm, Ball Type	FB307469	
57	EPS Ring Assy -- 150mm 57.5	FB327972	
58	Central Core Seal Shield (Clamp Cover Kit)	KT326436.02	
59	1) Inner Fixings Shield	DT323123.01	
60	2) M4 x 12 CSK Ali Vent Slot	101938D01	
61	Focus Ring	N/A	Pegasus
62	EPS Ring Assy--200mm TD ESC (196-2)	FB323006	Pegasus
63	Ceramic Ring	TG00461	
64	Tube, Ceramic	TR01785	
65	Ceramic Ring	TR04270A	
66	Centering Ring, 100mm	TR04374	
67	E-Chuck Flange, Ring	TR04646	
68	100.8mm Centering Ring	TR05277	

VARIAN 3290

OEM PN	TLG PN	DESCRIPTION
04-712165-01		Shield, 6" Heater Bore
00-682237		Middle Pole Piece Shield
00-682232		Exterior Pole Piece Insert
00-672313-00		Outer Pole piece Shield
00-682938-00		Outer Support Shield
00-682216-00		Ceramic Ring 6" Clip
00-683707-00		Ceramic Ring Shield 6"
67285200		Load Lock Ram Shaft Assembly
68090900		RAM Assembly, pressure plate

WELDED BELLOWS

Equipment Manufacturer	Equipment Type	Applications	OEM P/N
AMAT	Centura 5200-PECVD	Vale	3870-01212
AMAT	Centura 5200-PECVD	Vibration Absorber of Ar & N2 Line	0040-09944
AMAT	Centura 5200-PECVD	Assy, bellows, lower	0040-09700
AMAT	Centura 5200-PECVD	Weldment, bellows assy, upper	0040-09697
AMAT	Centura 5200-PVD	Wafer orienter	0040-20146
AMAT	Endura 5500-PVD	Lifter	0040-20068
AMAT	Endura 5500-PVD	Pre-clean chamber	0040-20155
AMAT	Endura 5500-PVD/PECVD	Slit valve	0040-20418
AMAT	Endura 5500-PVD	Bellows coverage 101 TiN	0040-20194
AMAT	MxP Centura-Etch	Chamber bellows	0040-09004
AMAT	P-5000 PECVD	Lifter	0040-09056
AMAT	P-5000 PECVD	Susceptor	0040-09055
AMAT	XR80-Ion Implant	Shaft bellows	0040-96829
Hitachi	M-308NF Asher	GV2	2-822722
Canon	MAS-801HR Asher	Exhaust bellows	SE50137-A054
Canon	MAS-801HR Asher	Bellows housing(rotation)	SE50137-A039
Hitachi	M-308ATW-Metal Etcher	Electrode	3-819728
Hitachi	M-308ATW-Metal Etcher	GV1	2-814358
Hitachi	M-308NF Metal Etcher	ER Shaft(ESC Chucking)	3-838543
Hitachi	M-501, M-602A Metal Etcher	Etch Electrode	2-818962
Hitachi	M-501, M-602A Metal Etcher	Etch Pusher	2-818963
Hitachi	M-501, M-602A Metal Etcher	Load, unload	2-818853
Hitachi	M-501, M-602A Metal Etcher	Etch Gate	2-818859
TEL	TE-8401 Poly-Si Etch	Stage	017-003055-1
TEL	TE-5000 Oxide Etch	Stage	1880-027024-11
TEL	TE-8500, Unity II 65DP Oxide Etch	Stage	017-002454-1
TEL	Unity II 85DI Oxide Etch	Lifter bellows	1810-328123-11
TEL	Unity II 85DI Oxide Etch	Stage	
Lam Research	Alliance 9400	Chamber bellows(4 pins)	839-31766-001
Lam Research	Alliance 9400	VCE Bellows(Cassette room)	001-9093-05
Lam Research	Alliance 9400, TCP 9600	Inner Gate Bellows	839-012255-001