

SVG SERIES 8800 SPARE PARTS LIST

PARTS FOR INDEXER MODULE

ITEM	PART NO.	DESCRIPTION	QTY
1	100-001	Sensor, optical. Part of 99-80066C	4
2	100-031	Capacitive sensor	1
3	109-065	Switch, indexer pitch select. Part of 99-16310-01.	1
4	109-144	Switch, boat sensor, long leaf	1
5	112-077	Motor, lead screw	1
6	201-001	Bearing, ball, dbl shield. 1/8 ID X 5/16 OD	4
7	201-003	Ball bushing, 1/2"	2
8	201-004	Seal, ball bushing, 1/2"	2
9	201-005	Bearing, ball, flanged, dbl shield, 1/4 ID X 5/8 OD	2
10	202-278	Timing belt, lead screw	1
11	206-002	Adapter, 1/16 barb to 10-32	1
12	206-014	Fitting, valve body	2
13	206-015	Connector, hose, 1/16 ID	2
14	211-019	Spring, compression	1
15	211-020	Spring, compression	1
16	99-16310-01	Indexer harness, 88XX	1
17	99-80039D1	PCB, Indexer	1
18	99-80066	PCB, Quad sensor	1
19	100-120	Banner amplifier	1
20	100-095	Banner amplifier socket	1
21	100-028	Banner sensor	1

PARTS FOR ATS ARM MODULE

1	112-106	Motor	2
2	112-071	Motor	2
3	114-038	Valve, Solenoid 3 way, 24VDC	1
4	99-12586-01	Emi Filter Assy.	2
5	201-003	Bushing ball, 1/2"	2
6	201-138	bearing	2
7	99-80157-01	ATS arm PCB	1
8	99-16103-01	ATS arm Harness	1
9	99-80000B-01	Single PCB	5
10	201-139	Bearing, Flanged 1/4ID X 3/8OD	2
11	16290-01	Fore Arm 3"	1
12	16215-01	Fore aArm 4.75"	1
13	16890-01	Fore Arm 7" 1/16	1
14	201-098	Bearing Flanged	2
15	202-279	Belt Timing	1
16	202-256	Belt Timing	1
17	202-252	Belt Timing	1
18	202-253	O-Ring	1

PARTS FOR SPIN PROCESS MODULE

ITEM	PART NO.	DESCRIPTION	QTY
1	03038	Bowl seal	1
2	06041-01	Catch cup bottom	1
3	06042-01	Catch cup insert	1

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4	100-002	Optical sensor, interruptive. Part of 99-80000-01	3
5	100-024	Optical sensor. Also used with 99-06082-01 and 99-80158-01	5
6	101-1956	Resistor. Part of 06082-01	2
7	112-005	Hi speed motor (non SMC system)	1
8	112-082	Brushless motor (SMC system)	1
9	112-041	Stepper motor, MAD. Part of 99-06082-01	1
10	114-006	Valve, 3-way, 24VDC	1
11	114-020	Valve, solenoid, 24VDC, 3-way, manifold	1
12	114-023	Valve, solenoid, 24VDC, 4-way, dual speed control	4
13	114-024	Valve, solenoid, 24VDC, 3-way, single speed control	1
14	114-025	Valve, solenoid, 24VDC, 3-way, single speed control	1
15	16276-01	Nipple, paddle	8
16	16277-01	Paddle, 6" wafer	2
17	16389-01	Paddle, 4" wafer	2
18	17215-02	Catch cup top, moving, pivoting arm	1
19	19108-01	Chuck, cross-drilled, 6"	1
20	19109-01	Chuck, cross-drilled, 4"	1
21	121-142	Spindle controller assy, SMC	1
22	200-022	Rubber cap	1
23	201-002	Bearing, flanged, 1/8 X 5/16	2

PARTS FOR SPIN PROCESS MODULE (CONT.)

ITEM	PART NO.	DESCRIPTION	QTY
24	201-007	Bushing, ball, oil seal	2
25	201-064	Linear bearing, 1/4 X 1/2 X 3/4	8
26	201-066	Ball bushing, 3/8 ID X 7/8 OD	4
27	201-078	Pillow block	3
28	201-085	Thompson lip-type seal, 1/4	8
29	201-143	Bearing, linear rotary, 3/8"	2
30	202-254	Timing belt	1
31	203-062	Cylinder, 3-position, 8826	1
32	203-065	Air cylinder, 3/4" bore, X 1" stroke, 2" long	4
33	203-072	Air cylinder, 3/4" bore X 1" stroke	1
34	206-007	Swivel fitting, brass, 1/8 NPTM X 1/16 barb	2
35	206-024	Needle valve, 1/8 NPTM, SS	1
36	206-038	Elbow, 1/4 OD tube by 1/8 NPTM, brass	1
37	21405-01	Centering arc, 4" wafer	2
38	220-002	Timing pulley	1
39	220-028	Timing pulley, with hub	1
40	22472-01	Centering arc, 6" wafer	2
41	99-06082-01	Moving dispense harness with stepper motor	1
42	99-06660-01T	Spindle drive harness	1
43	99-16085-01T	Spindle guide plate harness	1
44	99-16128-XX	Support pin harness	1
45	99-16359-01T	Spindle guide harness	1
46	99-17216-01	Pivoting dispense harness	1
47	99-80000-01	PCB, single sensor. Used with 99-16128-XX	1
48	99-80000-01	PBC, single sensor. Used with 99-16359-01T	1
49	99-80146A-01	PCB, vacuum delay	1
50	99-80157-01	Arm PCB	1
51	99-80158-01	PCB, single sensor	1

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52	SMC-001	Digital pressure switch	1
53	CKD-VAC-SW	CKD Digital Vacuum Switch	1
54	KIT-004	Rebuild kit for 8826 spindle tube	1
55	KIT-004S	Rebuild kit for 8826SMC spindle tube, includes coupling	1

PARTS FOR COATER DISPENSE PLATE

1	114-001	Solenoid valve, 2-way, 24 VDC, fluid, TEBR	1
2	114-003	Valve, 2-way, 24 VDC, system air	1
3	114-007	Valve, 2-way, 24 VDC, Kalrez seal, fluid, T/BEBR	2
4	213-015	Micrometer, T/BEBR	2
5	213-139	Partek valve, teflon, 3-way, TEBR	1
6	217-053	Filter, 16 stack, Millipore, 0.2 micron	1
7	219-030	Pump, Millipore, 16 stack filter, 0.2 micron	2
8	219-031	Controller, Millipore pump	1
9	219-140	Interface cable for Millipore pump, style 3	1

PARTS FOR DEVELOPER MODULE

1	06734-06	Chuck, 100mm	1
2	06734-08	Chuck, 150mm	1
3	06847-01	Air ring, 100mm	1
4	06842-02	Air ring, 150mm	1
5	100-024	Optical sensor. Used with 99-14394-01	1
6	112-066	Gearmotor, 24 VDC, 65.5:1 ratio	1
7	112-067	High speed motor, 1.09 extended shaft	1
8	114-023	Valve, solenoid, 24 VDC, 4-way, dual speed control	4
9	16276-01	Nipple, paddle	8
10	16277-01	Paddle, 6" wafer	2
11	16389-01	Paddle, 4" wafer	2
12	201-064	Linear bearing, 1/4 X 1/2 X 3/4	12
13	201-078	Pillow block	3
14	201-085	Thompson lip-type seal, 1/4	12
15	201-130	Electric clutch, part of 99-14416-01	1
16	203-065	Air cylinder, 3/4" bore X 1" stroke, 2" long	4
17	203-074	Air cylinder, 3-position, 8832	1
18	21405-01	Centering arc, 4" wafer	2
19	215-021	Coupling, Oldham	1
20	22742-01	Centering arc, 6" wafer	2
21	99-14394-01	Spindle drive harness, 2 mtr, electric clutch	1
22	99-14416-01	Electric clutch assembly	1
23	99-16128-XX	Support pin harness	1
24	99-16359-02	Spindle guide harness	1
25	99-80000-01	PCB, single sensor. Used with 99-16128-XX	1
26	99-80158-01	PCB, single sensor	1
27	CKD-VAC-SW	CKD Digital Vacuum Switch	1

PARTS FOR MOVING ARM DISPENSE ASSEMBLY - 8832

1	101-1956	Resistor, 25 Ohm, 25W, 1%	2
2	112-041	Stepper motor. Part of 99-14430-01	1
3	114-003	Valve, 2-way, 24 VDC, system air and air ring	2

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4	114-007	Valve, 2-way, 24 VDC, Kalrez seal, fluid	4
5	201-064	Linear bearing, 1/4 X 1/2 X 3/4	4
6	201-085	Thompson lip-type seal, 1/4	4
7	201-098	Bearing, flanged, 1/4 X 1/2	6
7	202-201	Timing belt, 10 foot length	1
8	202-262	Pulley, timing belt	3
9	207-026	Nozzle, flat spray	2
10	213-015	Flow control valve	4
11	99-14430-01	Harness, Moving Arm Dispense, with stepper motor	1

PARTS FOR OVEN MODULE

ITEM	PART NO.	DESCRIPTION	QTY
1	101-1956	Resistor, 25 Ohm, 25W, 1%. Part of 99-16098-01	2
2	109-093	Overtemp switch, low temp	1
3	109-095	Overtemp switch, high temp	1
4	112-053	Stepper motor. Part of 99-16098-01	1
5	114-006	Vacuum solenoid	1
6	16195-01	Coupling, modified, HPO motor	1
7	16217-01T	Pin, wafer, HPO, Teflon tip	3
8	121-095-01	Heater element, hi temp, 1.15V, 750W	1
9	121-095-02	Heater element, hi temp, 230V, 750W	1
10	121-095-03	Heater element, low temp, 115V, 450 W	1
11	121-095-04	Heater element, low temp, 230V, 450W	1
12	121-179	RTD temperature probe	1
13	121-004	Watlow temperature controller	1
14	201-007	Bushing, ball, oil seal	4
15	201-066	Ball bushing, 3/8 ID X 5/8 OD	4
16	99-16098-01	Stepper motor assembly, 8836	1
17	99-16099-01	Harness, wafer carrier top sensor	1
18	99-80000-01	PCB, single sensor. Used with 99-16099-01	1
19	SMC-001	Digital pressure switch	1
20	CKS-VAC-SW	CKD Digital Vacuum Switch	1

PARTS FOR MAIN CONTROL ENCLOSURE

ITEM	PART NO.	DESCRIPTION	QTY
1	107-024	Relay, 30A, 4PST, 24VAC coil	1
2	108-018	Transformer, 115/230, 25.2 VAC	1
3	109-092	Power switch	1
4	109-096	Lens cap, white	1
5	109-097	Contact block, NO	1
6	110-005	Lamp, 28V	1
7	110-013	Lamp, 28V, 1.12W	1
8	111-017	Fuse, 2A, slo-blo	1
9	111-019	Fuse, 1/2A, slo-blo	2
10	111-046	Fuse, 1/4A	2
11	111-050	Circuit breaker, 3 pole, 15A	1

PARTS FOR POWER JUNCTION BOX

ITEM	PART NO.	DESCRIPTION	QTY
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1	102-023	LED, red, panel mount	1
2	107-004	Relay, 3PDT, 24VDC	1
3	107-012	Relay, 25A, 230V	1
4	107-019	Relay, 2PDT, 24VDC, 15A	1
5	111-018	Fuse, 3AG, 1A	2
6	111-042	Circuit breaker, 3A	1
7	111-043	Circuit breaker, 7A	1
8	99-80082	PCB, Heater Controller Interface	1

PARTS FOR CARD CAGE

ITEM	PART NO.	DESCRIPTION	QTY
1	18810-04	Overlay, card cage, 8832MD-DD/8836HPO	1
2	18810-11	Overlay, card cage, 8838VPO	1
3	18810-14	Overlay, card cage, 8826SMC/8836HPO	1
4	18810-15	Overlay, card cage, 8836HPO	1
3	103-11033	Transistor, MJ11033	1
4	103-3715	Transistor, 2N3715	1
5	106-6051	Transistor, 2N6051	1
6	109-080	Switch, key lock	1
7	109-086	Lens cap, white	1
8	109-087	Spray cover	1
9	109-088	Switch, light button	1
10	110-004	Lamp, 28 VDC	1
11	124-005	Voltage regulator, 5VDC	1
12	99-01989-02	Cable, communication	1
13	99-16372-01	Harness, control panel interconnect	1
14	99-16373-01	Harness, power, control panel	1
15	99-80073	Display PCB	1
16	99-80074	Keyboard PCB	1
17	99-80075B	Motherboard PCB	1
18	99-80076	Connector Interface PCB	1
19	99-80092	Power Transistor PCB	1
20	99-80103D	CPU PCB	1
21	99-80105B	Motherboard PCB	1
22	99-80122C	Track Interface PCB	1
23	99-16105-01	Harness, PCB interconnect	1

PARTS FOR CHILL PLATE MODULE

ITEM	PART NO.	DESCRIPTION	QTY
1	109-025	Magnetic reed switch	2
2	114-006	Vacuum solenoid	1
3	114-007	Solenoid, 2-way, liquid	1
4	114-023	Valve, solenoid, 24 VDC, 4-way, dual speed control	1
5	16188-01T	Pin, wafer lift, teflon tip	3
6	203-064	Air cylinder	1
7	CKD-VAC-SW	CKD Digital Vacuum Switch	1

PARTS FOR VAPOR PRIME MODULE

ITEM	PART NO.	DESCRIPTION	QTY
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SVG SERIES 8800 SPARE PARTS LIST

1	101-2008	Resistor, 35W, 13 Ohm, 1% or 5%	2
2	109-014	Vacuum switch	2
3	112-075	Stepper motor, 8838. Part of 99-16587-01	1

PARTS FOR VAPOR PRIME MODULE (CONT)

4	114-002	Valve, 4-way, 24VDC	1
5	114-006	Vacuum solenoid	1
6	16202-01	Bellows, 8838	2
7	16217-01	Pin, wafer lift	3
8	16589-01	Flex coupling, clamp style, reworked, 8838	1
9	121-125-01	Cast-in heater element, 115V, 700W, 8838	1
10	121-125-02	Cast-in heater element, 230V, 700W, 8838	1
11	121-126	Thermometer resistance probe, 1/8"	1
12	121-179	RTD temperature probe	1
13	201-005	Bearing, 1/4 X 5/8	1
14	201-140	Ball bushing	2
15	201-141	Linear ball bearing	4
16	203-075	Air cylinder	1
17	210-035	Packing gland	1
18	210-036	Packing gland	1
19	210-038	Ball seal	4
20	210-050	Packing gland	6
21	210-051	Packing gland	3
22	210-055	Packing gland	2
23	99-80102-01	Vapor prime interlock BCB	1
24	CKD-VAC-SW	CKD Digital Vacuum Switch	1
25	99-16587-01	Stepper motor assembly	1

PARTS FOR VALVE PLATE ASSEMBLY

1	109-014	Vacuum switch	1
2	109-204	Flow switch for HMDS. Part of 99-19766-02	1
3	114-001	Solenoid valve, 2-way, 24 VDC, fluid	2
4	114-007	Solenoid, 2-way, liquid	1
5	213-051	Valve, 2-way	2
6	213-173	Furon valve	2
7	217-024	Filter, 0.2 micron	1
8	99-19766-02	HMDS flow sensor	1

PARTS FOR HEATER CONTROLLER PANEL

1	109-056	Switch	2
2	110-005	Lamp	1
3	110-008	Lamp holder	1
4	121-004	Watlow temperature controller	1
5	121-012	Alarm	1
6	122-002	Wafer counter	1

PARTS FOR POWER SUPPLY MODULE

1	102-0011	Diode bridge, 200V, 30A	1
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2	103-5884	Transistor, PNP, 200W, 80V	2
3	107-004	Relay, 24VDC, 3PDT	2

PARTS FOR POWER SUPPLY MODULE (CONT)

4	111-001	Fuse, 1.5A, 250V, fast blow	1
5	111-003	Fuse, 5A, 250V, fast blow	1
6	111-008	Fuse, 3A, 250V, fast blow	3
7	111-010	Fuse, 10A, fast blow	1
8	111-012	Fuse, 0.5A, fast blow	1
9	108-012	Transformer, power supply	1
10	112-047	Fan, power supply	1
11	121-010	Line filter, 10A	1
12	99-01997	Fuse panel assembly	1
13	99-19118-01	Harness, power transistor	1
14	99-80199B	PCB, power supply	1