

## SVG SERIES 8600 SPARE PARTS LIST

### PARTS FOR INDEXER MODULE 99-06614-XX

| ITEM | PART NO.    | DESCRIPTION  | QTY |
|------|-------------|--|-----|
| 1    | 100-001     | Sensor, optical                                      | 8   |
| 2    | 109-001     | Switch, boat sensor                                  | 2   |
| 3    | 109-065     | Switch, indexer pitch select                         | 2   |
| 4    | 112-001     | Motor, conveyer, 24VDC, 5.9:1 ratio                  | 2   |
| 5    | 112-012     | Motor, lead screw, 15VDC, 5.9:1 ratio                | 2   |
| 6    | 201-001     | Bearing, ball, dbl shield, 1/8 ID X 5/16 OD          | 12  |
| 7    | 201-002     | Bearing, ball, flanged, dbl shield, 1/8 ID X 5/16 OD | 8   |
| 8    | 201-003     | Ball bushing, 1/2"                                   | 4   |
| 9    | 201-004     | Seal, ball bushing, 1/2"                             | 4   |
| 10   | 201-005     | Bearing, ball, flanged, dbl shield, 1/4 ID X 5/8 OD  | 4   |
| 11   | 202-019     | O-Ring, polyurethane, .362 ID X .103 D               | 4   |
| 12   | 202-038     | O-Ring, EP, 1.984 ID X .139 D                        | 2   |
| 13   | 202-051     | O-Ring, polyurethane, 6.737 ID X .103 D              | 4   |
| 14   | 202-065     | O-Ring, polyurethane, 1.674 ID X .103 D              | 8   |
| 15   | 206-002     | Adapter, 1/16 barb to 10-32                          | 2   |
| 16   | 206-014     | Fitting, valve body                                  | 6   |
| 17   | 206-015     | Connector, hose, 1/16 ID                             | 6   |
| 18   | 211-019     | Spring, compression                                  | 2   |
| 19   | 211-020     | Spring, compression                                  | 2   |
| 20   | 99-80039-02 | PCB, indexer interface                               | 2   |
| 21   | 99-80086    | PCB, Quad sensor                                     | 2   |
| 22   | 99-80068    | PCB, speed control                                   | 2   |
| 23   | 100-031     | Capacitive sensor                                    | 2   |

### PARTS FOR SPIN PROCESS MODULE 99-06090

| ITEM | PART NO.  | DESCRIPTION   | QTY |
|------|-----------|---|-----|
| 1    | 06713-01M | Centering tab, 6", LHS                              | 1   |
| 2    | 06713-02M | Centering tab, 6", RHS                              | 1   |
| 3    | 100-002   | Optical sensor                                      | 5   |
| 4    | 100-024   | Optical sensor                                      | 3   |
| 5    | 101-1956  | Resistor  | 2   |
| 6    | 109-014S  | Digital Vacuum Switch, CKD                          | 1   |
| 7    | 112-038   | Gearmotor, 24VDC, 10:1 ratio                        | 1   |
| 8    | 114-006   | Valve, 3-way, 24VDC                                 | 1   |
| 9    | 114-007   | Valve, 3-way, 24VDC, Kalrez seal                    | 6   |
| 10   | 114-020   | Valve, solenoid, 24VDC, 3-way, manifold             | 1   |
| 11   | 114-023   | Valve, solenoid, 24VDC, 4-way, dual speed control   | 2   |
| 12   | 114-024   | Valve, solenoid, 24VDC, 3-way, single speed control | 1   |
| 13   | 114-025   | Valve, solenoid, 24VDC, 3-way, single speed control | 1   |
| 14   | 114-037   | Valve, 2-way, 24VDC                                 | 3   |
| 15   | 19108-01  | Wafer chuck 6" for SVG 86:26 Coater                 | 1   |
| 16   | 200-022   | Rubber cap  | 1   |
| 17   | 201-001   | Ball bearing, dbl shield, 1/8 ID X 5/16 OD          | 21  |
| 18   | 201-007   | Bushing, ball, oil seal                             | 6   |
| 19   | 201-010   | Ball bearing, dbl shield, 1/4 ID X 5/8 OD           | 2   |
| 20   | 201-066   | Ball bushing, 3/8 ID X 7/8 OD                       | 6   |
| 21   | 201-076S  | Ball bearing, dbl shield, 3/8 ID X 7/8 OD           | 2   |

## SVG SERIES 8600 SPARE PARTS LIST

### PARTS FOR SPIN PROCESS MODULE 99-06090 (CONT.)

| ITEM | PART NO.      | DESCRIPTION  | QTY |
|------|---------------|--|-----|
| 22   | 201-078       | Pillow block   | 3   |
| 23   | 201-079       | Vacuum seal  | 2   |
| 24   | 201-143       | Bearing, linear rotary, 3/8"                               | 2   |
| 25   | 202-019       | O-Ring, polyurethane, .362 ID X .103 D                     | 2   |
| 26   | 202-157       | O-Ring, polyurethane, 7.237 ID X .103 D                    | 1   |
| 27   | 202-158       | Timing belt, 0.080" pitch                                  | 1   |
| 28   | 202-161       | O-Ring, polyurethane, 10.19 ID X .103 D                    | 2   |
| 29   | 203-005       | Air cylinder, developer module                             | 1   |
| 30   | 203-008       | Air cylinder, coater module                                | 1   |
| 31   | 203-040       | Carriage air cylinder                                      | 1   |
| 32   | 203-045       | Air cylinder, centering tabs                               | 1   |
| 33   | 203-072       | Air cylinder, 3/4" bore X 1" stroke                        | 1   |
| 34   | 206-001       | Adapter  | 1   |
| 35   | 206-002       | Adapter, 1/16 barb to 10-32                                | 8   |
| 36   | 206-007       | Swivel fitting, brass, 1/8 NPTM X 1/16 barb                | 10  |
| 37   | 206-014       | Fitting, valve body  | 6   |
| 38   | 206-015       | Hose connector, 1/16 ID                                    | 6   |
| 39   | 206-017       | Pipe plug, brass, 1/8 NPTM                                 | 1   |
| 40   | 206-020       | Adapter, 1/16 ID tube to 1/8 NPTM                          | 3   |
| 41   | 206-023       | Fitting, 1/4 OD tube to 1/8 NPTM, brass                    | 2   |
| 42   | 206-024       | Needle valve, 1/8 NPTM, SS                                 | 1   |
| 43   | 206-037       | Tee, 1/4 OD tube to 1/4 OD tube to 1/8 NPTM, brass         | 1   |
| 44   | 206-038       | Elbow, 1/4 OD tube by 1/8 NPTM, brass                      | 1   |
| 45   | 213-049       | Needle valve, 1/8 NPTM, SS                                 | 1   |
| 46   | 220-002       | Timing pulley  | 1   |
| 47   | 222-004       | Cable assembly, nylon coated                               | 1   |
| 48   | 99-03804      | EMI filter assembly  | 1   |
| 49   | 99-06025-01   | Interruptive sensor harness, LHS                           | 1   |
| 50   | 99-06025-01   | Interruptive sensor harness, RHS                           | 1   |
| 51   | 99-06082-01   | Moving dispense harness with stepper motor                 | 1   |
| 52   | 99-17216-01   | Pivoting dispense harness                                  | 1   |
| 53   | 99-80000-01   | PCB, single sensor   | 3   |
| 54   | 99-80089A3-01 | PCB, dual interruptive sensor, dual speed control          | 1   |
| 55   | 99-80146A-01  | PCB, vacuum delay  | 1   |
| 56   | 99-80158-01   | PCB, single sensor   | 3   |
| 57   | 03038         | Bowl seal  | 1   |
| 58   | 114-021       | Valve solenoid, 3 way for top EBR N2                       | 1   |
| 59   | 213-131       | Suckback valve for top EBR                                 | 1   |
| 60   | 99-06648-01   | Cover interlock harness, coater                            | 1   |
| 61   | 99-03283      | Interlock switch assy., Developer                          | 1   |
| 61   | 11392-04      | Wafer chuck 6", SVG 86.28 Negative Developer               | 1   |
| 62   | 06734-08      | Wafer chuck 6", SVG 86.32 Positive developer               | 1   |
| 63   | 06842-02      | Air ring 6", SVG 86.32 Positive developer                  | 1   |
| 64   | 06041-01      | Catch cup, bottom section for coater                       | 1   |
| 65   | 06042-01      | Catch cup, insert section for coater                       | 1   |
| 66   | 17215-01      | Catch cup, top section for coater                          | 1   |
| 67   | 06041-01-28D  | Catch cup, bottom section for SVG 86.28 Negative developer | 1   |
| 68   | 06042-01-28D  | Catch cup, insert section for SVG 86.28 Negative Developer | 1   |
| 69   | 112-005       | High speed motor   | 1   |

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|    |             |   |   |
|----|-------------|---|---|
| 70 | 112-066     | Low speed motor for 86 Positive developer               | 1 |
| 71 | 112-005S    | AIO high speed motor                                    | 1 |
| 72 | 06044-01    | Catch cup, top section for SVG 86.28 Negative Developer | 1 |
| 73 | 99-14416-01 | Electric clutch for 86 Positive Developer               | 1 |
| 74 | 114-007S    | Cybor teflon solenoid; Hi-purity                        | 1 |

### PARTS FOR OVEN MODULE 99-04160

| ITEM | PART NO.      | DESCRIPTION  | QTY |
|------|---------------|--|-----|
| 1    | 109-093       | Temperature switch   | 1   |
| 2    | 112-038       | Gearmotor, 24VDC, 10:1 ratio.                              | 1   |
| 3    | 114-002       | Solenoid valve, 4-way                                      | 2   |
| 4    | 121-179       | Temperature probe, RTD Watlow RM1001501                    | 1   |
| 5    | 121-095-03    | Heater element, 115V, 450 W                                | 1   |
| 6    | 201-001       | Ball bearing, dbl shield, 1/8 ID X 5/16 OD                 | 19  |
| 7    | 201-007       | Bushing, ball, oil seal                                    | 8   |
| 8    | 201-010       | Ball bearing, dbl shield, 1/4 ID X 5/8 OD                  | 2   |
| 9    | 201-066       | Ball bushing, 3/8 ID X 5/8 OD                              | 8   |
| 10   | 202-044       | O-Ring, polyurethane, 6.487 ID X .103 D                    | 1   |
| 11   | 202-092       | O-Ring, silicone, 7.487 ID X .103 D                        | 1   |
| 12   | 202-154       | O-Ring, silicone, 1.674 X .103 D                           | 2   |
| 13   | 203-035       | Air cylinder, carriage                                     | 1   |
| 14   | 206-002       | Adapter, 1/16 barb to 10-32                                | 4   |
| 15   | 206-014       | Fitting, valve body  | 2   |
| 16   | 206-015       | Hose connector, 1/16 ID                                    | 2   |
| 17   | 222-001       | Cable assembly, nylon coated                               | 1   |
| 18   | 99-03804      | EMI filter assembly  | 1   |
| 19   | 99-06025-03   | Sensor harness assembly, optical interruptive, LHS         | 1   |
| 20   | 99-06025-04   | Sensor harness assembly, optical interruptive, RHS         | 1   |
| 21   | 99-80089A2-01 | PCB assembly, dual interruptive sensor, dual speed control | 1   |
| 22   | 112-036       | Stepper motor for HPO                                      | 1   |
| 23   | 114-006       | Vacuum solenoid  | 1   |
| 24   | 109-014S      | Digital vacuum switch, CKD                                 | 1   |
| 25   | 121-204       | Watlow 945   | 1   |

### PARTS FOR MAIN CONTROL ENCLOSURE 99-04160

| 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 99-04009

## SVG SERIES 8600 SPARE PARTS LIST

| ITEM | PART NO. | DESCRIPTION             | QTY |
|------|----------|-------------------------|-----|
| 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   |

### PARTS FOR POWER JUNCTION BOX 99-04009 (CONT.)

| ITEM | PART NO. | DESCRIPTION                      | QTY |
|------|----------|----------------------------------|-----|
| 8    | 99-80082 | PCB, Heater Controller Interface | 1   |

### PARTS FOR CARD CAGE 99-06619-01

| ITEM | PART NO.    | DESCRIPTION  | QTY |
|------|-------------|--|-----|
| 1    | 06781-01    | Overlay, card cage, 8626/8636                        | 1   |
| 2    | 06781-04    | Overlay, card cage, 8632/8636                        | 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   | 99-01991-01 | Flat cable, 81 version                               | 1   |
| 14   | 99-01993-01 | Flat cable, 81, 86, and 88 versions                  | 1   |
| 15   | 99-04154-01 | Control Panel Power Harness, 81 version              | 1   |
| 16   | 99-09325-01 | Control Panel Power Harness, 81, 86, and 88 versions | 1   |
| 17   | 99-15649-01 | Flat cable, 86 and 88 versions                       | 1   |
| 18   | 99-80071E   | CPU PCB  | 1   |
| 19   | 99-80072    | Track Interface PCB                                  | 1   |
| 20   | 99-80073    | Display PCB  | 1   |
| 21   | 99-80074    | Keyboard PCB   | 1   |
| 22   | 99-80075B   | Motherboard PCB                                      | 1   |
| 23   | 99-80076    | Connector Interface PCB                              | 1   |
| 24   | 99-80092    | Power Transistor PCB                                 | 1   |
| 25   | 99-NETTRACK | NET TRACK CPU  | 1   |
| 26   | 99-80105B   | Motherboard PCB                                      | 1   |
| 27   | 99-80122C   | Track Interface PCB                                  | 1   |

### PARTS FOR CHILL PLATE MODULE 99-06001

| ITEM | PART NO. | DESCRIPTION                                | QTY |
|------|----------|--|-----|
| 1    | 109-014S | Digital vacuum switch, CKD                 | 1   |
| 2    | 112-038  | Gearmotor                                  | 2   |
| 3    | 114-006  | Vacuum solenoid                            | 1   |
| 4    | 114-007  | Solenoid, 2-way, liquid                    | 1   |
| 5    | 201-001  | Ball bearing, dbl shield, 1/8 ID X 5/16 OD | 4   |

## SVG SERIES 8600 SPARE PARTS LIST

|    |             |   |   |
|----|-------------|---|---|
| 6  | 201-002     | Ball bearing, flanged, dbl shield, 1/8 ID X 5/16 OD | 2 |
| 7  | 201-069     | Ball bearing, 5/8                                   | 1 |
| 8  | 202-132     | O-Ring, silicone, 4.237 ID X .103 D                 | 3 |
| 9  | 209-034     | Flowmeter   | 1 |
| 10 | 210-015     | O-Ring seal   | 3 |
| 11 | 99-80089-01 | Chill Plate PCB                                     | 1 |
| 12 | 99-100028   | Banner Sensor Assembly                              | 1 |

### PARTS FOR POWER SUPPLY MODULE

| ITEM | PART NO. | DESCRIPTION         | QTY |
|------|----------|---------------------|-----|
| 1    | 107-004  | Relay, 24VDC, 3PDT  | 2   |
| 2    | 99-01997 | Fuse Panel Assembly | 1   |