

# POLISHING SOLUTIONS

## SFP-560A

### “Programmable Pneumatic Active Pressure”

Seikoh Giken’s SFP-560A provides high volume assemblers with an ultra ruggedized polisher for 24/7/365 operation. Mechanical durability, low operational costs and reduced maintenance requirements offer near zero downtime for maximum return on investment.



#### Features / Benefits

- ✧ Open workspace design offers creative handling solutions for Multi-Fiber, large O.D. cables
- ✧ IPC mode: Independent Pressure Control
  - High Capacity, Mega-Axis Single-Fiber polishing
- ✧ Dynamic Pressure Control (Pat. Pending)
  - Pneumatic, Pressurized Turntable pressurize from the bottom to the top for Multi-Fiber, Arrays, Waveguides
- ✧ Multi-fiber ferrule epoxy removal can be done by SFP-560A; performs MT polishing similar simplicity to standard single fiber polishing
- ✧ Process programmable (up to 60 processes)
- ✧ Data Transfer via USB Interface
- ✧ Backwards Compatible with SFP-550 Legacy fixtures and processes
- ✧ Suitable for cellular manufacturing system.

#### Specifications

|                    |   |
|--------------------|---|
| Weight:            | 22Kg (48.5lbs)  |
| Dimensions:        | 240W x 370D x 300H (mm)                                   |
| Polishing Method:  | Rotation & Revolution                                     |
| Pressure Control:  | 2N to 200N in DPC mode                                    |
| Power:             | 100-240 VAC, 50/60Hz                                      |
| Required Air:      | 0.6MPa to 0.8MPa  |
| Motor Speed:       | Revolution: 70 to 200rpm<br>Roration: 1/100 of rev. speed |
| Film and Pad Size: | 5" (127mm)  |

*New Technology*  
~ DPC: Dynamic Pressure Control ~  
(Patent Pending)



**High Volume Mass-production  
D.P.C. Polishing Technology**

# POLISHING SOLUTIONS SFP-560A

## ► SFP-560A Standard Package ◀

| Description              | Part Number | Qty |
|--------------------------|-------------|-----|
| Main Unit                | SFP-560A    | 1   |
| 2A Fuse (in fuse holder) | RP55-56     | 1   |
| M3×60-SUS Bolt           | M14-00096   | 2   |
| Power Cable              | RP55-30     | 1   |
| Cable Hanger             | FP-CH       | 1   |
| USB Memory               | FP-USB      | 1   |
| Check Valve              | FP-CV       | 1   |
| Operating Manual         | FP-IM56A    | 1   |
| Polishing Process Manual | FP-PM56A    |     |
| Maintenance Manual       | FP-MM56A    |     |

## ► Polishing Consumables ◀

### ZR POLISHING FILMS

| Description                   | Part Number | Qty/set |
|-------------------------------|-------------|---------|
| Height Adjustment Polishing   | GA5D        | 500     |
| Rough Polishing, 9µm Diamond  | DR5D-9U     | 20      |
| Medium Polishing, 3µm Diamond | DH5D-3U     | 20      |
| Second Polishing, 1µm Diamond | DJ5D-1U     | 20      |
| Final Polishing, Silica       | XF5D        | 100     |

### MT POLISHING FILMS

| Description                 | Part Number | Qty/set   |
|-----------------------------|-------------|-----------|
| Adhesive Removal & Leveling | GC5D        | 50 or 500 |
| Rough Polishing             | AR5D        | 50 or 500 |
| Fiber Protrusion            | GH5D        | 50 or 500 |
| Finishing                   | FM5D-SOAP   | 50        |

### PADS

| Description                        | Part Number  | Qty/set |
|------------------------------------|--------------|---------|
| 5.0mm, 0 Duro Sponge Pad           | PS5X-500-SR  | 3       |
| 5.0mm, 65 Duro Rubber Pad          | PR5X-500-65  | 3       |
| 5.0mm, 70 Duro Rubber Pad          | PR5X-500-70  | 3       |
| 5.0mm, 75 Duro Rubber Pad          | PR5X-500-75  | 3       |
| 5.0mm, 80 Duro Rubber Pad          | PR5X-500-80  | 3       |
| 5.0mm, 90 Duro Rubber Pad          | PR5X-500-90  | 3       |
| Tacky Glass Pad (PSA not required) | PG5X-490-SR2 | 3       |

## ► Available Fixtures ◀

### I.P.C. HOLDERS

| Description                                   | Part Number                           |
|---|---------------------------------------|
| FC/PC 20 or 24-axis                           | PH55-FP-20 or 24                      |
| FC/APC Step Narrow Key: 2mm 18 or 24-axis     | PH55-FP8R-18-I or 24                  |
| FC/APC Step Wide Key: 2.14mm 18 or 24-axis    | PH55-FP8N-18-I or 24                  |
| FC/APC Conical Narrow Key: 2mm 18 or 24-axis  | PH55-FP8RC-18-I or 24                 |
| FC/APC Conical Wide Key: 2.14mm 18 or 24-axis | PH55-FP8NC-18-I or 24                 |
| SC/PC 20 or 32-axis                           | PH55-CP-20 or 32                      |
| SC/APC Step 18, 24 or 32-axis                 | PH55-CP8A-18, 24 or 32                |
| SC/APC Conical 18, 24 or 32-axis              | PH55-CP8C-18, 24 or 32                |
| ST/PC 20 or 28-axis                           | PH55-SP-20 or 28                      |
| LC/PC 24, 40 or 48-axis                       | PH55-PL-24, 40 or 48                  |
| LC/APC 20, 24, 40 or 48-axis                  | PH55-PL8A-20-B, 24, 40 or 48          |
| LC/PC High Pressure 24, 40, or 48-axis        | PH55-PL-24HP, 40HP, or 48DHP          |
| LC/APC High Pressure 20, 24, 40, or 48-axis   | PH55-PL8A-20HP-B, 24HP, 40HP, or 48HP |
| LC/PC Duplex 32 or 48-axis                    | PH55-PL-32DHP or 48DHP                |
| LC/APC Duplex 32-axis                         | PH55-PL8A-32DHP-POR                   |
| MU/PC 24 or 40-axis                           | PH55-PM-24 or 40                      |
| MU/APC 20-axis                                | PH55-PM8A-20                          |
| 2.5MM Ferrule/PC 20 or 40-axis                | PH55-FF-20 or 40                      |
| 1.25mm Ferrule/PC 16, 24, 40 or 48-axis       | PH55-FLM-16, 24, 40 or 48             |

### MT HOLDERS & ACCESSORIES

| Description                    | Part Number            |
|--------------------------------|------------------------|
| MT/PC 12 or 24-axis            | PH55-MT-12S1 or 24S1   |
| MT/APC 12 or 24-axis           | PH55-MT8A-12S1 or 24S1 |
| MT/PC One-Lever Action 24-axis | PH55-MT-24SQ1          |
| MT/PC Re-polishing             | PH55-MT-12R1           |
| MT/PC Mega-axis                | PH55-MT-36S1           |
| Torque Wrench                  | N3LTDK-MT              |
| Cleaning Brush                 | MT-P-BRS-B             |



Specifications subject to change without notice.

Detailed Specifications available upon request

SG-73-PL v.2