

## APC SERIES HIGH VOLUME POLISHERS

The APC Series Polishing Systems offer polishing automation with precise, consistent results. The systems are suitable for heavy production schedules of connectors and/or ferrules. Up to 35 polishing procedures may be stored within internal memory. Password protection ensures against unauthorized re-programming. Products polished with the systems exceed Telcordia GR-326-CORE requirements for endface geometry. Universal voltage allows for global use with 100V/220V, 50/60Hz.

The APC 8000 features include a robotic head with optical pressure control, LCD touch-pad display, and programmable water jet. Highly durable fixtures are available for all standard connector styles, with custom fixture development available upon request. Typical performance is 55dB Return Loss or better (PC), and 65dB Return Loss (APC).

The APC-9000 was designed with enhanced programmable automation for superior control over polishing results. The APC-7000 is available for standard programming options. For more information see the APC-9000 and APC-7000 section.

### APPLICATIONS

- High production polishing of industry standard fiber optic connectors and ferrules
- Polishing of glass capillaries and fiber stubs

### CONNECTOR CAPABILITY

- LC-UPC, LC-APC
- MU-UPC
- SC-UPC, SC-APC
- FC-UPC, FC-APC
- ST-UPC
- E2000-UPC, E2000-APC
- MT-RJ, MT, Angled MT
- SMA

### FEATURES

- Enhanced programmable automation for superior control over polishing results
- Programmable RPM
- Digital display with touch pad interface
- Robotic head
- Polishes as many as 36 connectors/ferrules at a time\*
- Color-coded rubber pads
- Precision fixture tooling
- Superior performance:
  - 55dB or better, typical return loss (PC)
  - 65dB or better, typical return loss (APC)

\*Depending upon connector type.

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Specifications may change without notice.

Polishing Systems

## APC-8000 HIGH VOLUME POLISHER

The APC-8000 features a superior fixture-to-platten locking mechanism and other design enhancements to give the user consistent polishing results at high production volumes. The fixture-to-platten locking mechanism confines motion to vertical plane, eliminating horizontal movement that may cause damage to the fiber. Polishing results are consistent and yield end face geometry exceeding GR-326-CORE standards\*. In addition, the user can polish as little as three connectors at a time without the need to use additional dummy connectors to completely fill the fixture.

The polisher also features an improved safety cover assembly which forms an enclosure around the fixture to confine water within the polishing area. A labyrinth seal platten sits on top of a one-piece water tray for collecting polishing runoff. As a result, the machine does not require frequent maintenance and lubrication, and the polishing procedure is effective and hassle-free. Like previous models, the APC-8000 features a dual concentric drive motion for multi-axis polishing, but features a wider range of speeds available to the user for greater control over polishing cycle and throughput. Polishing can be done at higher speeds without compromising quality.

The APC-8000's expanded software capabilities and safety features make it easy and safe to use. It features a step-by-step automated guidance system, a sensor switch that prevents operation when the cover is open, an on-screen warning system, and an emergency stop button with a key-operated release. The software stores up to 35 recipes, with 10 polishing steps per recipe. The APC-8000 is a free-floating fixture polisher for polishing industry standard, small form factor and multifiber connectors. New fixtures will hold between 12 and 36 connectors or ferrules, depending on connector type. Fixtures from previous models (APC-7000 and APC-9000) may be adjusted for full compatibility with the APC-8000. Please contact a SENKO representative for more information.

\* When following SENKO recommended procedures.

### APPLICATIONS

- High production polishing of industry standard fiber optic connectors and adapters
- Polishing of glass capillaries and fiber stubs

### CONNECTOR CAPABILITY

- LC-UPC, LC-APC
- MU-UPC
- SC-UPC, SC-APC
- FC-UPC, FC-APC
- ST-UPC
- E2000™, E2000™-APC
- MT-RJ, MT, Angled MT
- SMA

### FEATURES

- Enhanced fixture-to-platten alignment mechanism for eliminating unwanted motion on horizontal plane
- Improved safety cover assembly confining water within the actual polishing area only
- Wide range of speeds for greater control over polishing regime and throughput
- Enhanced software capabilities, with more than 35 programmable recipes, 10 steps per recipe
- Step-by-step guidance and on-screen warning system
- Expanded safety features
- Universal fixture diameter, compatible with fixtures from previous models



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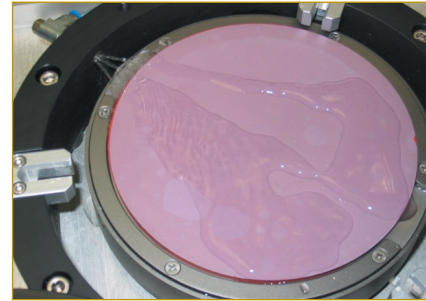
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# APC-8000 HIGH VOLUME POLISHER

## FIXTURE-TO-PLATTEN LOCKING MECHANISM

- Fixture incorporates 3 locator posts which mate firmly with slots in the safety cover assembly during locked position
- Locking mechanism confines motion to a vertical plane, eliminating unwanted horizontal motion
- Offers consistent polishing results even at high platten speeds
- User can polish as little as three connectors at a time

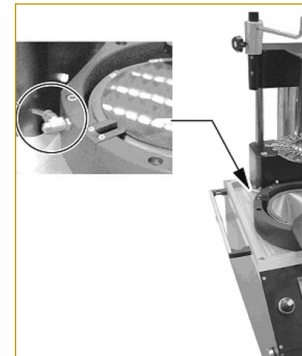


## PLATTEN SPEED

- Machine utilizes same dual-concentric motion as previous models, for consistent polishing results even at high RPMs
- Greater range of speeds give operator the freedom to fine tune the polishing regime
- Very high polishing throughput with consistent polishing results

## SAFETY COVER ASSEMBLY

- Confines water from hose to polishing area only
- Contains labyrinth seal for enhanced water resistance
- Machine requires less frequent maintenance and lubrication



## EXPANDED SOFTWARE CAPABILITY

- More than 35 recipes, with 10 programmable steps per recipe
- Screen menu indicates film type, pressure, speed and other conditions
- On-screen warning system indicates incorrect function



## SAFETY FEATURES

- CE Approval
- Sensor detects when cover is open and prevent operation.
- Emergency stop button with key-operated release
- Machine does not operate unless fixture posts are aligned with cover and fixture is in contact with rubber pad and platten
- Polishing machine stalls if it senses an obstruction between the fixture and the platten before the 3 locator posts are in place

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