Recognition, by SPD Control Systems Corporation (SCSC), is a customizable test tool for verifying the quality of SPD Smart Glass samples for transmittance and electrical characteristics. Each Recognition system is intended to be customized for each customer’s exact needs.

Please send your SPD testing requirements and the number of systems you need. We will then provide you with a comprehensive proposal satisfying your requirements.

Recognition can be used at various stages of SPD Smart Glass manufacturing,
- Film Production
- Film Lamination
- Window Construction

Standard Features
- Automatic and manual testing
- PC-based Automated Test System with SPD Controller
- Tests multiple samples simultaneously
- Tests are setup and monitored from the SCSC Test Program Console
- Exercises full capabilities of SPD samples:
  - Drives Cyclic Burn-it Tests
  - Tests Light Transmittance range
- Testing uses a known calibrated light source and sensor so that film functionality between various production runs can be empirically tested and documented.
- Detects Open and Short Circuit conditions
- SPD samples can be tested in installed conditions
- Maintains a Log of all events during test
- Measures Time-to-Clear (TTC), Time-to-Dark (TTD) Performance
- Customizable Profile Reports for each SPD test sample
- Historic reports per lot that provides traceability for the manufacturer
- Upgradeable and expandable as needed for your future requirements
Specifications

- Maximum Number of Samples per Unit: 8
- Maximum Size per sample: 1.5 M²
- Output Voltage: 10-120 VAC RMS
- Output Frequency: 30 Hz to 400 Hz

Figure 1 - System Configuration