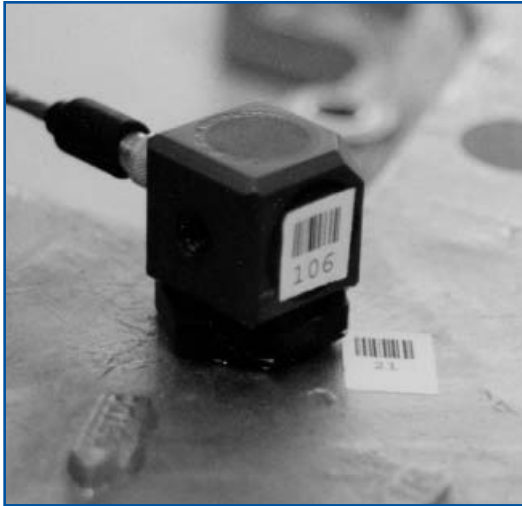


# AUTOMATED TEST SETUP (ATS)

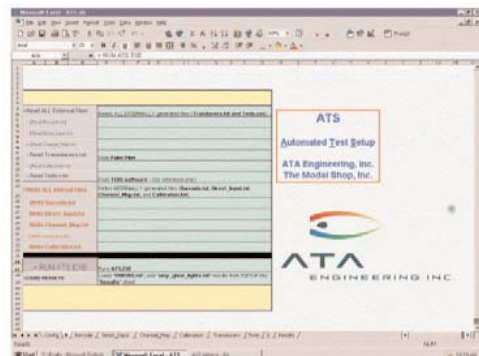


*“Delivering on the Potential of IEEE P1451.4 TEDS Sensors”*

The Modal Shop and ATA Engineering have teamed to offer the Model 5020A Automated Test Setup System (ATS). ATS delivers on the promise of IEEE P1451.4™ Transducer Electronic Data Sheet (TEDS) Sensors by using the standard interfaces of Palm OS and Microsoft Excel for an integrated solution to multi-channel structural test setup. By combining setup data acquired at the point of installation with TEDS smart sensor information, Model 5020A produces industry standard Universal Files identifying the complete test setup, which can be imported directly into a wide array of structural testing software environments.

## BENEFITS:

- Print Barcode Labels For Sensors and Structure
- Scan Sensor and Node Information at Point of Installation
- Import TEDS Data Files From PCB 440 Series Signal Conditioners
- Export Universal Data (Channel Tables/Virtual Channel Tables) to Data Acquisition Software



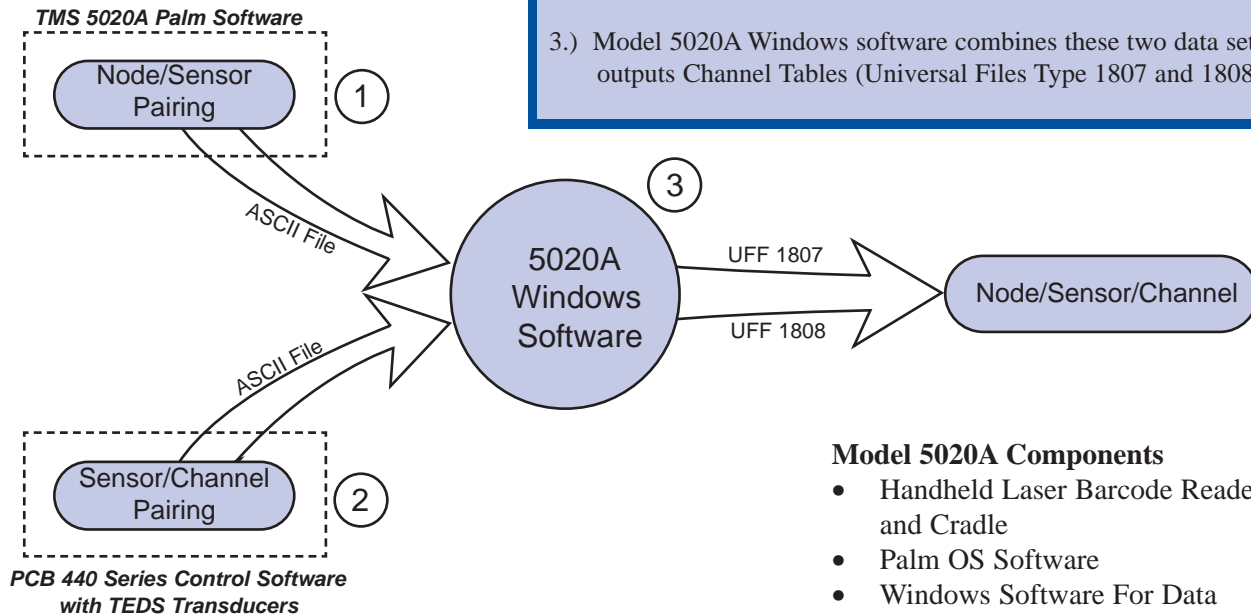
*5020A Windows Software Provides a Common Spreadsheet Interface*



# AUTOMATED TEST SETUP (ATS)

## Here's How It Works:

- 1.) Measurement DOF is matched to the transducer using laser barcode scanning in 5020A Palm OS software.
- 2.) Transducer is matched to measurement channel using PCB 440 Series Control Software with TEDS transducers.
- 3.) Model 5020A Windows software combines these two data sets and outputs Channel Tables (Universal Files Type 1807 and 1808).



### System Requirements

- Microsoft Windows XP
- Microsoft Excel 97™ or Higher
- Available COM Port

### Model 5020A Components

- Handheld Laser Barcode Reader and Cradle
- Palm OS Software
- Windows Software For Data Conversion (MS Excel Based)
- Windows Software For Printing Barcode Labels On Any Laser Printer

## Related Products

- **Model 442 Family of Signal Conditioners**  
High density ICP® sensor signal conditioners designed for multi-channel testing, with the features required for high-end applications: TEDS, selectable gain, low-pass filtering.
- **PCB's Full Line of TEDS Accelerometers**  
PCB's tradition in leading the multi-channel test & measurement market continues with a full line of TEDS accelerometers.
- **Model 2050A Lateral Excitation Stand**  
Offers convenient mounting of vibration shakers for structural testing
- **Model 8030S AirRide Test Structure Support Fixture**  
Low cut-off frequencies isolate test structures from ambient vibrations.



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