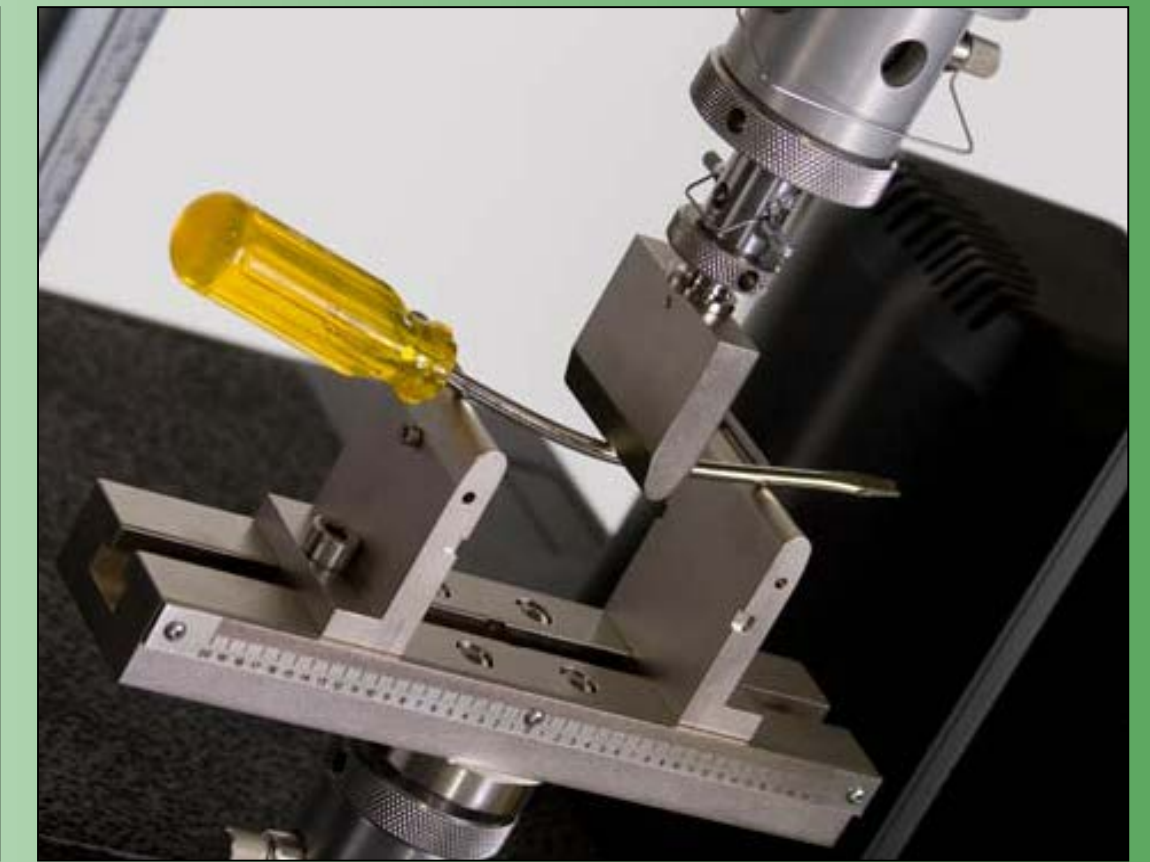




INSTRON 5965 DUAL COLUMN TABLETOP TESTING SYSTEM

Description of Equipment

- A universal, static testing equipment for tensile, compressive, shear, flexural, peel, tear and cyclic tests.
- Measurement range:
 - 5 kN (1125 lbf) capacity,
 - 1256 mm (49.5) vertical test space,
 - 3200 mm/min (128 in/min) return speed.
 - 5 kN, 100 N and 10 N load cells



Procedure of Operation

1. **Mount a test fixture and sensors appropriately**
The test fixture is securely fixed (1: Tension, 2: Compression, 3: Flexure, 4: Extensometer).
2. **Run the BLUEHILL 3 software**
Bluehill 3 software runs electromechanical systems and implements analyses based on the test results. Click on the Test Button and select the test method.
3. **Set up a specimen**
Set up a specimen with appropriate grips and close the glass cover door.
4. **Start testing**
After resetting initial reading to zero, press the START button.

Main Benefits

- Provide a full range of closed-loop machines and fully automated tensile testing.
- Provide both single and double-shear test fixtures.
- Be used to test wires and cables with appropriate gripping and strain measurements.
- Be equipped with Bluehill 3 software that allows fully interactive data analyses even after the completion of testing.

Required Hardware Considerations

- **Test capacity:** The load required to test a specimen must not exceed the frame capacity.
- **Load cell:** Loads applied must be between 1~100% of the frame capacity.
- **Extensometers:** The appropriate type, stroke and gage length capacity must be used.
- **Grips and fixtures:** The test specimens must be tightly gripped to prevent slippage but not damaged.

