Reliability
- Crimp defects are effectively detected and differentiated from normal crimp process variation.
- In-process monitoring and detection of crimp defects including insulation inside conductor crimp, missing strands, change in crimp dimension, deformed crimp, twisted terminal, worn or broken tooling, change in crimp material, variation in the crimp bell mouth.

Flexibility
- Adaptable to a wide range of bench presses and automatic machines.
- Configurable features and options for integration with the bench press and automatic machine functions.
- Data management features for data logging, exporting, part number entry and management.
- Language configurable.
- Network ready for integration with OES QPM or client’s data management system.

Performance
- Advanced crimp force algorithms deliver the highest level of crimp defect detection with minimum false rejects.
- Consistent and reliable crimp defect detection for a wide range of terminal and wire crimping combinations.
- Common configuration settings supports efficient and error-free machine setup.
- ForcePak software displays graphic detail of the crimping process, reveals process variation associated with crimping defects, and variations in the process.

Traceability
- 100% production traceability when connected to ForceView.
- Stores data for playback or export into production and quality reports.

The Key to Identifying and Eliminating Defective Crimps

Patents
1998 US Patent No. 5,841,675
2014 US Patent Pending
FORCEView

ForceView is powerful graphical user interface software for monitoring the crimping process relative to the crimp process tolerance limit.

Data from each crimp is captured for 100% traceability. Configuration parameters are automatically loaded using the part number selection feature. ForceView integrates seamlessly with the machine production management software.

<table>
<thead>
<tr>
<th>Model</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPM5100</td>
<td>Bench Press</td>
</tr>
<tr>
<td></td>
<td>Automatic Machine</td>
</tr>
</tbody>
</table>

Sensor Options

- Piezo strain ✔
- Piezo force ring ✔
- PBT ram adapter ✔

Technical Specifications

- Operating environment: 15 to 50°C, 60 to 120°F
- Supply voltage: 24VDC ext. adapter, 100-240VAC, 50-60Hz, 1.0A
- Communications: AC coupled, tension or compression
- Digital inputs: 4
- Digital outputs: 6
- Display: 7” colour touch screen
- Mounting: Universal mounting bracket
- Dimensions: 185 x 198 x 70mm, 7.28” x 7.80” x 2.75”

About OES Technologies

OES Technologies products and technologies are developed specifically for the wire processing industry to monitor and inspect 100% of parts produced during the manufacturing process, and prevent part defects from entering the supply chain. OES’s dedication to innovation enables them to deliver a steady stream of cutting-edge technologies that meet the exacting demands of this ever-changing market.