

■ Wheel Hub Assembly: Force Versus Distance Press Monitoring

**Highlights:**

- Signature Analysis used to verify entire press waveform for all cycles
- Single system capable of handling multiple parts and multiple rams
- Complete data saving of press information
- SPC, daily reports, and historical data review
- Special options available include ModBus Plus™, A/B Data Highway™, and RS232 communication
- On-line system self verification

Press-fit assembly is a common production process used in a wide variety of manufacturing industries. A completely assembled part is often difficult to verify, since it requires disassembling for proper testing. Sciometric's Signature Analysis System eliminates this problem by collecting the critical force and distance data during the insertion cycle. This data is then analyzed using Signature Analysis techniques to ensure that a proper press cycle has taken place.

This Press Monitoring System also offers a variety of features including data saving and retrieval, SPC analysis, flexible part configuration, and built-in system verification. Several available communication options are also available such as bar code readers, RS-232, ModBus Plus™, and Allen Bradley Data Highway™.

