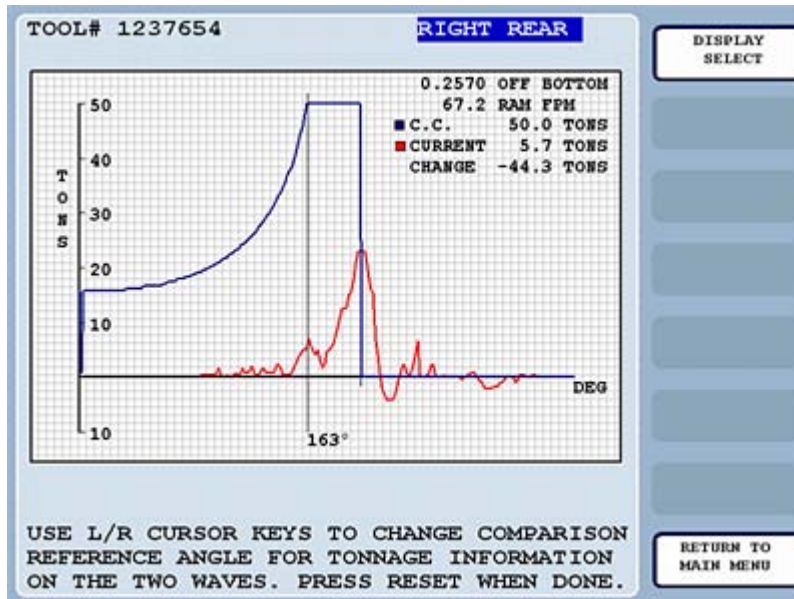
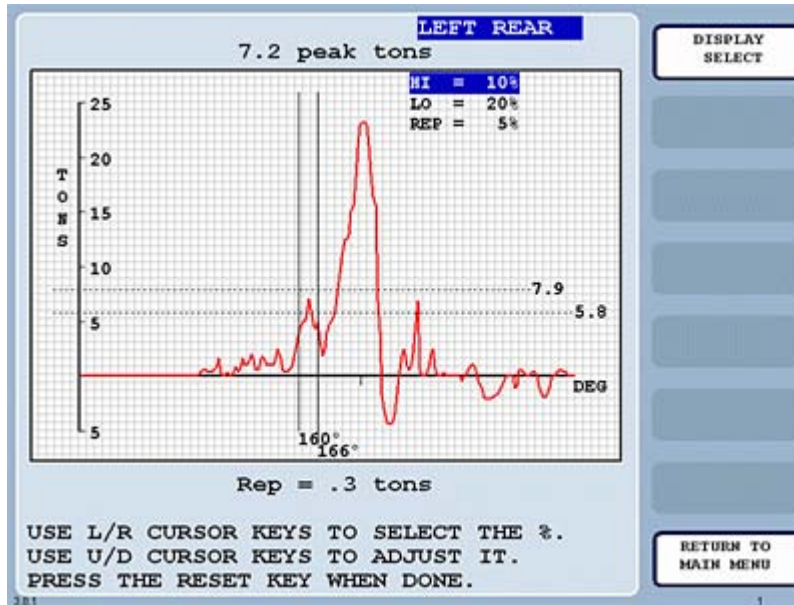


## Wintriss SmartPAC2 Application Note: Advantages of Advanced Load Monitoring

**WaveFormPAC:** This is an advanced tonnage-monitoring module for SmartPAC2 that displays a waveform graph of the load-generating portion of the press stroke. Due to the vast amount of information gathered over each stroke speed is limited to 300 spm. This system features:

- Tonnage waveforms for each strain link input (up to four) and total load. Provides detailed information for tooling analysis and insuring a proper match to press capacity.
- Simultaneously monitors forward and reverse load allowing real time monitoring of snap through forces. Allows early detection and prevention of excess tool and press wear.
- Provides 4 monitoring windows related to crankshaft angle which allows you to precisely monitor off BDC loads, clamping forces, forming forces, etc. A life insurance policy for dies if event detection fails or is not used. Helps to insure quality parts.
- Benchmark waveform for a known good part can be saved with each tool for comparison to a new setup. Comparison screen allows an overlay of current and stored waveforms. Excellent setup and troubleshooting tool.
- Comparison of actual tonnage waveform to press capacity curve (user to input up to 15 values corresponding to press capacity at various distances off bottom as provided by the manufacturer) allows you to determine that you are not over loading the press.
- WaveFormPAC *displays the ram distance off bottom and ram velocity to assist with drawing applications and analyzing energy problems.*
- Displays motor slowdown percentage to determine how hard the motor works to restore flywheel energy.



The Wintriss SmartPAC2 is a modular multi-function press automation control with communication features that allow you to monitor your power press from a web browser. You will find more information here: [Wintriss SmartPAC2](#).