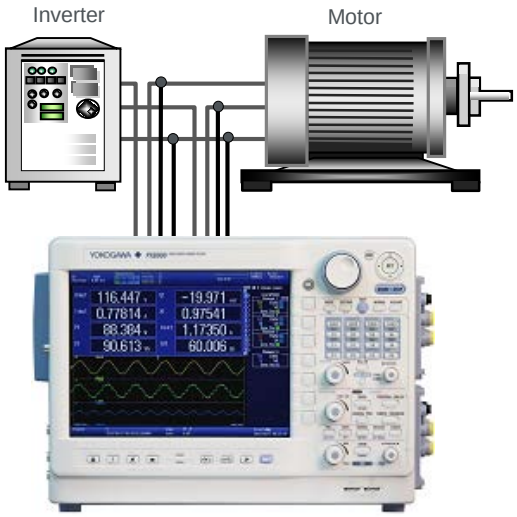
PX8000: Waveform and Power Evaluation for Press Machines (Metalworking Machines)

Enables power evaluation and waveform capturing for inverters and motors using a single instrument

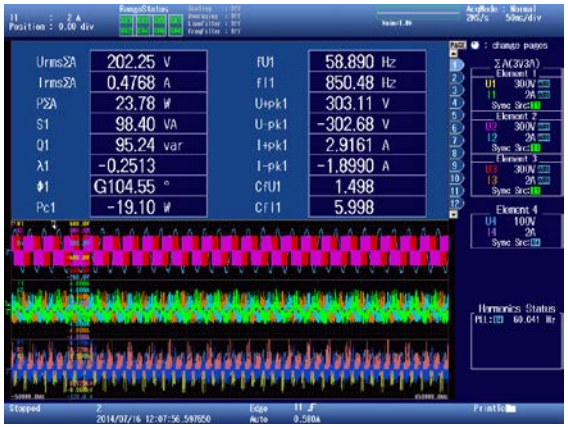
Press machines are used for producing car components, car bodies, and other parts. Steel plates and other materials are processed by pressing with dies. These machines tend to use inverters because of their advantages such as sensor-less vector control for higher stability of pressing motion and the ability to make fine adjustments to the speed when applying pressure.
The PX8000 Precision Power Scope can accurately capture the changes in power due to these adjustments. The PX8000 supports up to four inputs, allowing simultaneous measurement of voltage, current, and power waveforms and power data for two 3-phase motors during pressing operation (two sets of 3-phase 3-line, two power meter connection). This enables quality and performance evaluation of machines in development.

Motor three-phase 3-line connection

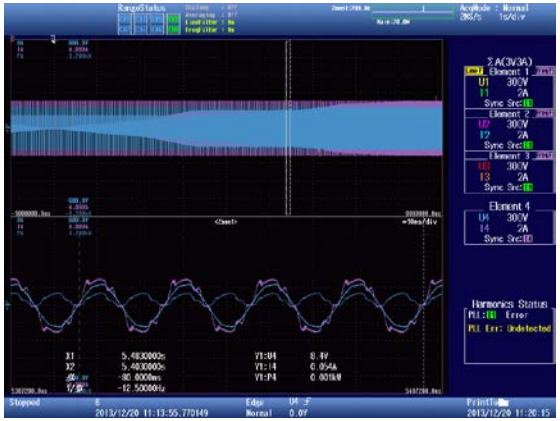


PX8000 Precision Power Scope

Split display of Power parameters and waveform



Split display of Waveform capturing and Zoom screen



Waveform changes and fluctuations in power parameters can be confirmed.

*Higher demand for press machines is expected in the automobile industry in coming years.