Energy inefficiencies are extremely difficult to track and identify in a production facility, causing increased costs. Reducing expenses on these inefficiencies is possible only if the source of the issue can be easily identified. The current Shotscope™ NX system provides the tools necessary for users to improve efficiency savings through production and process monitoring. The addition of the Energy Monitoring Module provides additional benefits to the triple bottom line (economy, environment and society), allowing you to track energy usage and identify opportunities for increasing efficiency and reducing costs.

The tools included within the Shotscope™ NX Energy Monitoring Module provide you with both real-time and historical feedback in order to identify and understand how your company’s operations impact energy use.

Benefits
• Provides more accurate and timely information for analysis of energy consumption
• Identifies inconsistencies in equipment operation and consumption during start-up and shutdown procedures
• Lowering of maintenance costs and reduction in overall carbon footprint
• Easy identification of inefficiencies by comparing actual energy use to model energy use

Capabilities
• Measurement of power on any type of equipment—not limited to injection molding machines
• Several measurement variables available
• Multiple Machine Measurement Points
• System is expandable to grow with your energy measurement needs
• Several different reports and charts available to easily analyze and interpret energy data

Real-time energy monitoring
Although energy costs may be considered a fixed cost in some operations, there is much that can be done to reduce this expenditure and increase overall efficiency. In order to increase profits by reducing energy costs, the costs must be attributed to a particular device. Measurements can be taken from entire factories, work-cells, departments, machines or individual devices on the machines. By determining the energy consumption of each device, the optimization of operating conditions is easier to implement. Data from this energy monitoring system will help to both establish energy saving initiatives and observe results over a period of time. Additionally, the energy data can be combined with financial expenditures for the production of specific part numbers, since the energy throughput (KWh/Kg) per production run can be measured and saved as a standard.
With real-time monitoring, any potential energy loss can quickly be discovered. A small leak in a pressure hose can easily cost thousands of dollars per year, but is typically very difficult to track. Using the Shotscope™ NX Energy Monitoring Module can help discover an energy efficiency issue on a machine, which can then be tracked and resolved by maintenance teams as quickly as possible.

Contact Husky today for more information on our Shotscope™ NX Energy Monitoring Module.

Easily identify energy consumption changes and trends with charting of historical energy consumption

The Energy Monitoring Module provides you with energy consumption relative to material consumption in the form of Specific Energy Consumption (SEC) charts, allowing you to accurately analyze information to improve cost-savings