

## Take the Sytronix Challenge!

### Discover your potential savings

Are you interested in reducing your energy consumption and noise levels on your factory floor? Check out our new Sytronix technology.

Sytronix is a servo-driven pump drive system that combines the reliability of high-performance hydraulics and the energy efficiency of powerful drives and electronics systems. The system delivers demand-oriented volume flow and can, therefore, provide closed-loop control of pressure, volume, position and force and can also limit the pump consumption.

**The benefits of this technology include reduced noise level, energy consumption, factory-floor footprint, easy integration and increased machine life-time.** After their Sytronix Challenge, one company saw **energy savings of 93%**. Discover your potential savings. Take the Sytronix Challenge today!

## How the Challenge Works



**1**  
Schedule an energy audit of your existing system with a conventional hydraulic unit



**2**  
Schedule a week with Morrell Group's Sytronix demo unit installed on your machine



**3**  
Receive a detailed report showing energy savings with the Sytronix unit

# Sytronix Benefits

## Noise Level



- Cost savings through variable speed reduced motor noise
- Cost savings due to less sound insulation
- Better compliance with industrial health and safety (OSHA)
- Higher Employee Satisfaction

## Energy Consumption



- Energy savings of 30-80% through demand-oriented flow and pressure supply
- Decrease in CO2 emissions, reducing carbon footprint

## Machine Life Time



- Reduction of friction losses leads to longer life time of bearings
- Less heat input into the oil results in better oil quality and longer life time of components

## Reduced Footprint

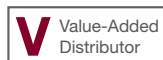


- Motor, pump and reservoir can be optimally utilized, thus smaller dimensions
- Hydraulic cooling system can be downsized or eliminated

## Easy Integration



- Flexible control functions easily integrate into system
- Advanced diagnostics and condition monitoring help avoid cost intensive machine failures



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