

**Check-Mate Industries**  
Wyandanch, New York

**Application:** Stamping Press  
**Motor Size:** 10HP  
**Average Savings:** 23.58%  
**Annual Savings:** \$1,381.45  
**Power Rate:** \$0.19/kWh  
**Annual CO2 Reduction:** 6 tons  
**Internal Rate of Return:** 235%\*

\* IRR does not include unit installation costs

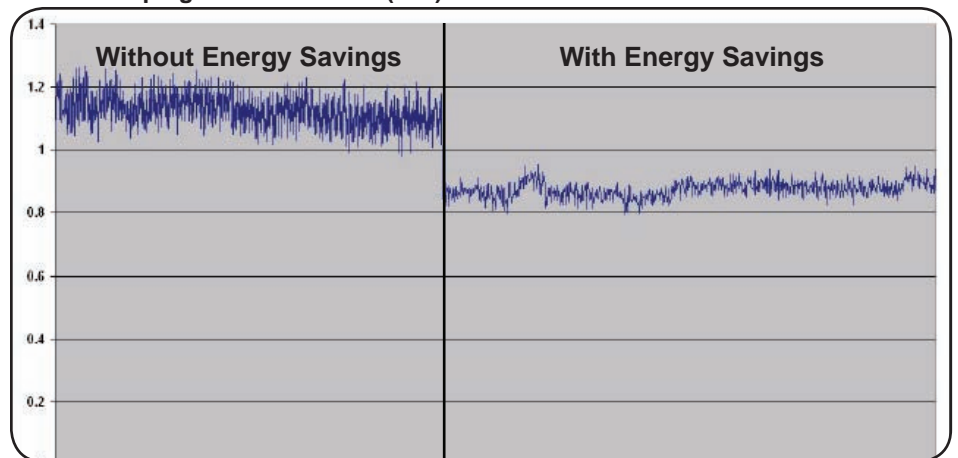
**TEST SUMMARY**

A Power Efficiency motor efficiency controller was installed on a 10HP, manually operated Pyramid P-60 stamping press at Check-Mate Industries in Wyandanch, New York.

Data was collected at three second integration intervals. For the first hour, the stamping press operated under normal conditions with the motor efficiency controller in bypass mode. The press was then shut down to engage the energy saving feature. The press was reset to start up again and data was collected for another hour with the energy saving technology controlling the amount of power delivered to the motor.

During the stamping period, Power Efficiency's motor efficiency controller lowered the average kW usage from 3.52kW to 2.69kW, for a 23.58% power savings and an estimated annual cost savings of \$1,381.44.

**10HP Stamping Press Kilowatts (Idle)**



<b>Without Energy Savings</b>	<b>With Energy Savings</b>	<b>Annual Savings: 22.32% / 0.25 kW</b>
Avg: 1.13kW	Avg: 0.87kW	942.98 kWh / \$179.17

**10HP Stamping Press Kilowatts (Stamping)**

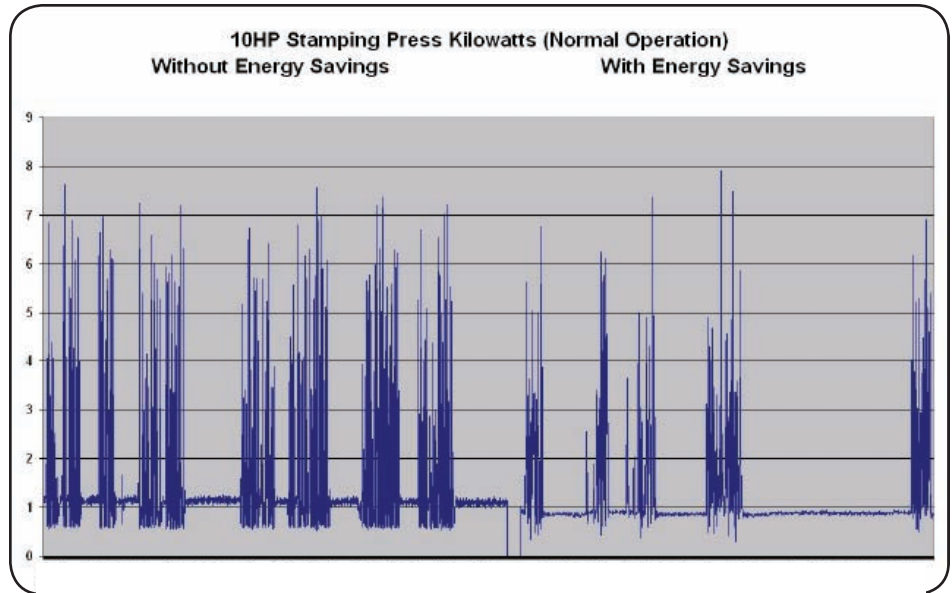


<b>Without Energy Savings</b>	<b>With Energy Savings</b>	<b>Annual Savings: 23.58% / 0.83 kW</b>
Avg: 3.52kW	Avg: 2.69kW	7,263 kWh / \$1,381.44

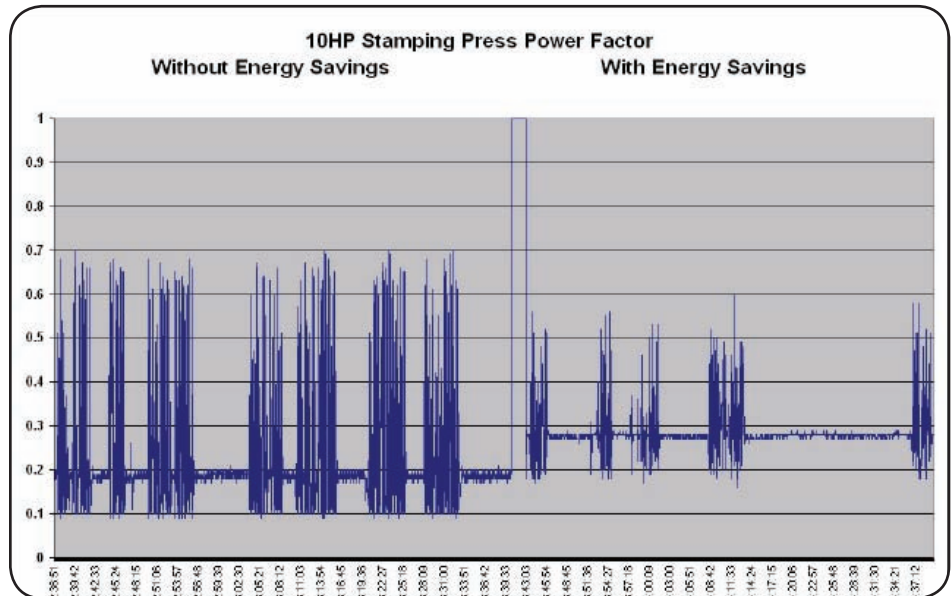
**Expected Product Life Savings**

**Product Life:** 15 years  
**kWh Savings:** 108,945 kWh  
**Cost Savings:** \$29,778\*  
**CO2 Reduction:** 84 tons

\* Expected life cost savings is based on a 5% annual increase in cost of power



Without Energy Savings	With Energy Savings	Savings	
Avg: 1.58 kW	Avg: 1.22kW	%: 22.63%	kWh: 1338.789
		kW: 0.36	\$\$/year: \$254.37



Without Energy Savings	With Energy Savings
Avg: 0.23kW	Avg: 0.28kW