



# Energy Efficiency at Henry Molded Products

## Real Results:

- Reduced energy costs by 20%
- Increase in sales and employment

**Company Profile:** During the past 46 years, **Henry Molded Products, Inc.** in Lebanon, PA has been providing protective packaging to their customers in the automotive, pharmaceutical, electronic, wine and machinery industries with high quality sustainable based molded fiber products. The company's manufacturing premise is green, utilizing scrap and recycled waste paper to create and manufacture its products. These products are biodegradable and can be recycled.

**Situation:** HMP experienced intensive energy usage patterns in the manufacturing portion of their process. With the rising costs of energy and pressure on unit profitability, HMP implemented innovative efficiency techniques in process heating and engineering. The company addressed their energy expenditures, in order to remain competitive while expanding their markets. MANTEC provided a heat reclamation consultant to achieve these energy savings.

**Desired Results and Deliverables:** The objective of the energy reduction engineering initiative was to recapture lost process heat and reduce energy costs through efficiency gains. This is an engineered solution performed through MANTEC. The original system allowed waste exhaust heat to escape into the environment. The engineered solution consisted of recapturing the exhaust heat into a pre dryer zone and effectively reducing Btu's/lb of water needed to dry the product.

**Results:** This heat reclamation project allowed for the recapture of waste heat while reducing emissions. Improved energy usage, increased efficiencies, and followed HMP's dedication to producing green and sustainable products in the most environmentally responsible manner. These gains reduced energy costs by as much as 20%. Additionally, Henry Molded Products saw a substantial increase in sales while increasing employment and captured dramatically more capacity allowing them to become more competitive.

"Henry Molded Products prides itself in producing environmentally responsible products. The energy reduction initiative performed with MANTEC was critical to reducing our energy usage.

We continue to implement sustainable practices allowing us to remain an industry leader."

~Douglass Henry, President

To set up your Energy Efficiency contact your Professional Business Advisor directly or MANTEC at 717-843-5054

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