

# UNITED TOOL & MACHINE, LLC.



## LAKEVIEW, OHIO Efficient Lighting Project

Since 1972, United Tool & Machine has been provider of production machine parts and components to the commercial industry. A mainstay in Lakeview, Ohio, the company has proudly grown to be a key small business supplier for the United States military equipment all over the world.

### PROJECT GOALS:

Reduce the operating costs associated with an expanded facility.

### SOLUTION:

Replace existing lights with LEDs.

### PROJECT SUMMARY:

United Tool & Machine recently expanded its facility in Lakeview, Ohio. The company worked with Efficiency Smart in 2018 on an energy efficiency project to help reduce the increased electric costs associated with its expansion.

The company replaced its existing T12 fluorescent lights with energy-efficient LED high-and-low-bay lights. The total number of light fixtures were reduced from more than 90 T12s, to 40 LEDs, due to an optimized lighting design and the increased lumens of the LEDs. An Efficiency Smart energy consultant worked with the company to review the project and calculate energy savings.

With the new LEDs installed, the company was not only able to reduce its electric costs, but it will save on future maintenance costs due to the longer lifespan of LEDs and the reduced number of lights in the facility. In addition, the improved lighting output also provided a better-lit facility for employees.

“Efficiency Smart served as a valuable resource for our lighting upgrades. We appreciate the assistance they provided to help make our project a reality. We look forward to saving energy for years to come while providing a better-lit facility for our employees.”

Gary Ginter, President, United Tool & Machine, LLC



### PROJECT FACTS AT A GLANCE

**Annual kWh Savings:**  
39,400

**Annual Cost Savings:**  
\$2,000

**Lifetime Cost Savings:**  
\$31,400

**Simple Payback:**  
1.10 years

**Annual CO<sub>2</sub> Reduction:**  
73,800 pounds

### PROJECT PARTNERS

Gary Ginter,  
President,  
United Tool & Machine, LLC.

Shelly Ginter,  
Owner,  
United Tool & Machine, LLC.

Pat Parrish,  
Village Administrator,  
Village of Lakeview