



MANUFACTURING FACILITY



PEERLESS PRECISION

WESTFIELD, MASSACHUSETTS

SAVING ON ENERGY COSTS

A mother and daughter duo are operating the family business together. President Kristen Maier-Carlson is taking strides to improve the working environment for their tight-knit professional family. Peerless Precision, Inc. (PPI) specializes in the manufacture of precision-machined parts for the aerospace, defense, and medical device industries. Their work is difficult under improper lighting and their machinery consumes high levels of energy. With a way to save energy and improve the working environment, our Big Shine Energy consultant provided a valuable solution.

BRIGHTENING THE ENVIRONMENT

At the PPI facility were T12, yellow-hued, flickering fluorescent tubes. The space was too dark to work with the efficiency the employees were capable of. Ms. Maier-Carlson wanted to improve the lighting for the well-being of her skilled employees. Our consultant proposed removing the wrap-around fluorescent fixtures and replacing them with LED Panels. These panels have a slim surface that allows for easy and stream-lined installation. In the Machine Shop, we installed 4ft T8 LED tubes and 2x4 LED panels. Our 2x4 panels also light the offices.

"There's no more flickering! ... We are in love with our new lighting." Ms. Maier-Carlson was pleased with the clean, brilliant results of the LED lighting. Their annual savings is \$8,357.29. To help fund the lighting upgrade, our consultant was able to procure \$6,300 for rebate incentives by working together with WG&E.

Take a look at how PPI is also helping the environment. Their decision to switch to LED lighting now only benefits their company in the long and short run; it benefits the environment by reducing carbon emissions. We're proud to participate in our movement toward Approaching Zero carbon emissions along with Peerless Precision, Inc.



Prior to the LED upgrade, Peerless Precisions workspace was too dim to allow employees to work at their full potential.



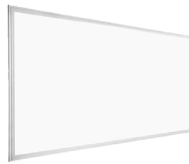
Not only do Big Shine's panels provide enough light, but they also provide a cost-saving, energy-efficient solution.



THE LIGHTS



T8 4ft
LED Tube



2x4 LED
Panel



THE NUMBERS

ANNUAL SAVINGS



\$8,357

SAVED IN
ENERGY COSTS



66,884

KWH SAVED

ENVIRONMENTAL IMPACT



51.8

TONS OF
CO₂ EMISSIONS
REMOVED



9.9

CARS REMOVED
FROM THE
ROAD



44.5

ACRES OF
U.S. FORESTS
PLANTED