

## **Production Spring, LLC – Retrofit (Case Study)**

Manufacturer of custom metal components for the automotive and aerospace industries. 40,000 sq ft facility with manufacturing, warehouse and office.

New owners expanded upon the 45- year old company and soon realized that production quality did not rest solely in production equipment that the lighting system serving the manufacturing floor played an integral role in meeting their customers' exact standards for precision products.

Also, their inspection and test methods might be adversely impacted by quality control personnel's reduced ability to see under aged lights with degrading color rendition.

### **Project Overview**

- Retrofit approx. 203 qty linear fluorescent fixtures with LED lamps
- Retrofit 15 outdoor HID fixtures with LED Lamps

### **Project Benefits**

- Electricity demand (for lighting) reduced by approx. 70%; savings seen immediately in the 1<sup>st</sup> month's utility bill
- Retrofitting existing fixtures rather than purchasing new fixtures ensured compatibility with existing décor
- Outdoor lighting improved employee perceived safety
- Reduced maintenance cost for spot lamp replacements because new lamps have an L70 life expectancy of 100,000 hours' vs 20,000 for the old T12's
- Improved worker productivity; less eye strain

### **HAI other Advantages:**

- A test case was done so the customer would know first-hand the lighting quality expected
- Worked off-hours so as not to disrupt production
- Completed projected within 30 days

### **Client Testimonial**

**“The Hawks team was fast and easy to work with. They worked around our production schedule. I would use them again. I would recommend them to anyone.”**

**Al Williams  
Quality and Customer Relations Manager  
Production Spring, LLC**