Background
An equipment manufacturer serving the auto industry received a build order for several custom designed testing machines used in the production of fuel injection systems. Each machine has six operator workstations. The company had used dual bulb T8 fluorescent light fixtures to illuminate workstations in similar machines.

Challenges
To accommodate the T8 light fixtures, a special AC circuit had to be installed on each DC-powered machine, increasing machine build times and expense. Additionally, the fluorescent bulbs had to be replaced annually. The company wanted a cost effective lighting solution that would offer brilliant illumination, integrate easily into their equipment and require less time and expense to maintain.

Solution
A WLB32 industrial LED light bar is more efficient at directing light with a more uniform distribution of light than fluorescent alternatives. In a direct comparison, a two-foot long WLB32 on its dim setting outshined a two-foot dual bulb T8 fluorescent light. The company chose the WLB32 light bar for this deployment and Banner LED lighting solutions are now the standard for the end user as well.

Integrating DC powered models into the machines allowed the company to eliminate the expense of installing separate AC circuits and reduced machine build times. By standardizing on the form factor of the WLB32, the company has the flexibility to choose the power variant that best meets the customer’s requirements.

These cost-effective LED light bars will provide continuous low-power illumination across their entire lifespan. The superior performance and longevity of Banner’s solution allowed the company to eliminate yearly bulb replacements for over 100 work stations on this deployment alone, providing the customer with more machine uptime and saving them the time and expense of replacing over 200 bulbs annually.