



ProDispense Provides Smart Manufacturing Solution for Heavy Equipment Manufacturer

CUSTOMER

Heavy equipment manufacturer

GRACO EQUIPMENT

ProDispense

CHALLENGE

A heavy equipment manufacturer was adding a new, high volume production line. Many kinds of small diesel and gas-powered engines for tractors, lawn mowers, utility vehicles and construction equipment would come through daily.

Each engine model required different amounts of oil, gas and other fluids. The process engineer needed to make sure that each fluid dispense met precise specifications.

Manually filling each engine was inaccurate and slow. The production facility needed a smart manufacturing solution that could recognize each engine model and dispense the correct fluids in the right amounts.

SOLUTION

The company operated production lines in five buildings. Four used the Graco ProDispense. One used a homemade fluid dispense system. They compared both options for the new line.

PRODISPENSE

Out-of-the-box solution proven to work well on four other production lines

Easy-to-use programmable logic controller (PLC) able to speak to their bar code scanner to determine recipes for different engine types

Graco A+ technical support

HOMEMADE SYSTEM

Operational on one line

Cumbersome and complex process needed to be followed to determine recipe for each engine type

No backup or technical support from anyone outside the company

RESULTS

The out-of-the-box ProDispense solution brought much needed simplicity, flexibility, and reliability. It has quickly become an integral part of their new production line. Two units have now been installed, with a third unit purchased and ready for installation in the near future.

Each unit easily connected to their bar code scanning equipment. The bar code scanner communicates with the ProDispense PLC network to determine which recipe needs to be dispensed. This allows the ProDispense to dispense the correct fluid within 1 percent accuracy every time.



For more information, contact us at 1-800-533-9655 or visit www.graco.com/prodispense.