



Yinlun TDI LLC, located in Ontario, California, provides thermal management solutions to the automotive, commercial truck, off-highway, and recreational vehicle marketplace. As a tier 1 or tier 2 supplier, Yinlun TDI delivers high efficiency, lightweight and flexible product solutions. Yinlun currently has 4 locations within the United States.

THE CHALLENGE

When Yinlun TDI reached out to MFGx, it had just been awarded a project from “the most well-known electric car manufacturer.” The thermal management solutions company needed to move quickly to meet strict quality control requirements, set up new trading partners, and establish accurate barcode labels/printing. Yinlun management

also worked strategically, communicating with its machine builders to ensure that its solutions met the specifications required and would ultimately produce a high-quality part while tracking all necessary data and documentation.

THE SOLUTION

MFGx provided an integration solution to coordinate a new automation line, with products provided from eight different machine builders. It was critical that all of the equipment work cohesively together.

The Fuuz® platform provided full track and trace features for more than ten BOM components in each thermal cooling unit.

Now Yinlun automatically prints the OEM required barcode labels at specific steps in the process, bridging the

gap left by its current ERP system. The company is now able to integrate its laser marking machine which etches a 2D barcode in a testing station with its production process. Complying with OEM requirements, Yinlun can now track all data in its cloud-based Fuuz solution, including multiple images of each part produced with the ability to integrate the relevant data and images back into its ERP system.

THE RESULT

After engaging with MFGx in October 2020, during the height of the COVID-19 pandemic, the project went live in January 2021. Yinlun’s electric vehicle OEM customer was so impressed with the Fuuz solution and its results that its other tier suppliers

are also implementing Fuuz, including Challenge Manufacturing, a global supplier of automotive structures. And Yinlun recently launched Fuuz at its Morton Illinois location.

Fuuz® powered by MFGx is a next-generation Manufacturing Execution System (MES) with supportive processes that help companies of all sizes gain full visibility into their global operations, automate manual processes and accelerate their digital transformation – without the expense of new enterprise software. Fuuz MES can be extended with Warehouse Management, Transportation Management and other pre-built industrial SaaS apps, as well as platform tools for rapid application development and integrations for all major ERPs, homegrown apps, payroll and other software solutions manufacturers use every day. MFGx is a Michigan-based software integration company with more than 20 years of hands-on experience in diagnosing and solving software integration problems for discrete and process manufacturers in multiple industries. For more, visit fuuz.com.