25 years delivering dependable, global QAD Data Collection

THE COMPANY

Yanfeng USA Automotive Trim Systems, Inc. is a worldwide automotive component supplier and has been operational in the US market since 2010, with two facilities in the state of Michigan and one facility in Kansas City.

These facilities currently support Chrysler and GM programs. The company's core business is interior automotive components, including a door trim program for Grand Cherokee and Dodge Durango; door panel programs for GM Regal; and new interior programs for GM Fairfax and Wentzville.

THE CHALLENGE

To put the challenge in perspective, it may be useful to picture what must happen in order to get components for car interiors from China to Yanfeng USA plants in Michigan to one of the assembly plants YF USA serves. Chrysler JNAP is a good example.

JNAP, just one of the plants supported by the Harrison plant of Yanfeng USA, produces a new car every 53 seconds. Imagine providing the right trim for the right car every 53 seconds. Every time. Trying to achieve that level of precision across a 7,000-mile supply line is not a job for the fainthearted.

Over the years, space has become increasingly tight for the automakers, and they respond by pushing the "buffer" upward, requiring their

suppliers to get better and better at sequencing the line. For Yanfeng, keeping track of their automotive trim products across a 7,000-mile, eight-to-nine-week supply chain and meeting the requirements of the automakers demanded an extraordinary solution.

With the majority of its components still coming from China, YF USA needed the movement of materials from China to the its plants to the

automakers to be, for all practical purposes, transparent.

Prior to the implementation of Eagle's RF Express™ for QAD, Yanfeng USA used a legacy system developed in China. According to Michael Hu, Deputy General Manager, "We had a data collection system from China, but it created challenges in supply chain management. In addition to the sheer length of the supply chain and

the tight delivery schedules we faced, the system wasn't a good fit in a US facility."

WHY EAGLE?

Yanfeng wanted an automated data collection (ADC) solution that was seamlessly integrated with QAD and would meet Yanfeng USA's unique needs from receiving straight through to JIT shipping from the shipping dock.

Eagle the company offered Yanfeng a global footprint with 800+ customers around the world, not to mention 20+ years as QAD's strategic partner for ADC. At the same time, Eagle's product, RF Express™ for QAD Enterprise Applications, would give Yanfeng the real-time, fault-proof data they were looking for. Data that was both accurate and actionable.

Automotive   Consumer Products   Food & Beverage   High Tech   Industrial   Life Sciences
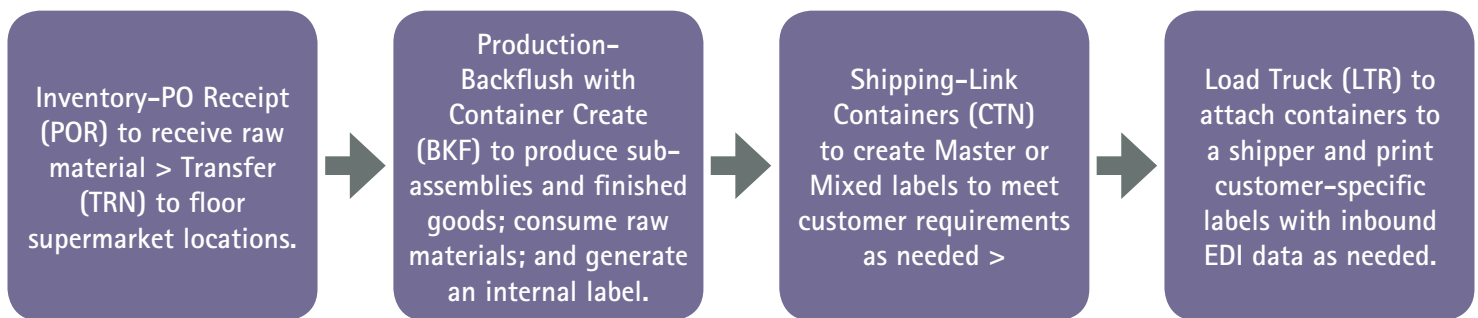
QAD SOLUTION PARTNER

PUTTING THE EAGLE-QAD SOLUTION TO WORK

Yanfeng USA uses their Eagle solution for inventory management, receiving and Enhanced Shipping, employing a lean location setup to reduce material move transactions, including Receipt to warehouse storage location; Transfer to supermarket/line locations; Finished Goods produced in finished goods/shipping location.

The overall transaction flow looks like this:

Inventory–PO Receipt (POR) to receive raw material > Transfer **(TRN)** to floor supermarket locations.	**Production–Backflush with Container Create (BKF)** to produce sub-assemblies and finished goods; consume raw materials; and generate an internal label.	**Shipping–Link Containers (CTN)** to create Master or Mixed labels to meet customer requirements as needed >	**Load Truck (LTR)** to attach containers to a shipper and print customer-specific labels with inbound EDI data as needed.

They use the Eagle BKF backflush to report sub-assemblies and finished goods at the end of the GM production lines. They generate an internal tracking label which is subsequently scanned at time of ship to generate the customer label.

The Eagle Enhanced Shipping transactions provide Yanfeng with the ability to take inbound EDI data from their customers and display it on outbound labels in accordance with the customer's requirements. The Eagle Load Truck builds a QAD abs_mstr (pronounced abs master) shipper with containerization which is in the format that QAD eCommerce can process for outbound shipments.

RESULTS AND BENEFITS

Only months after implementation, YF USA reports that the Eagle-QAD solution:

- Is a good fit to the business
- Improves YF USA's ability to manage their inventory, their warehouses and their business
- Enables them to measure their progress as they move forward
- Positions them to continuously improve their ability to meet the supply chain demands of their industry.

THE FUTURE

Site-selection and construction of a new manufacturing facility in the City of Riverside have been completed. The new plant will supply interior components – including floor consoles, instrument panels, and door panels – to General Motors assembly plants in Kansas City, Kansas, and Wentzville, Missouri.

Although YF USA has not yet implemented ILVS (In Line Vehicle Sequencing), the company continues to evaluate techniques and processes to sequence the line effectively. The implementation of Eagle's RF Express™ for QAD Enterprise Applications leverages their ability to do exactly that.