

# JR AUTOMATION™

A Hitachi Group Company

Think. Solve. Create.

## FAST FACTS

### Industry

Heavy Agriculture  
Equipment

### Cycle Time

Low

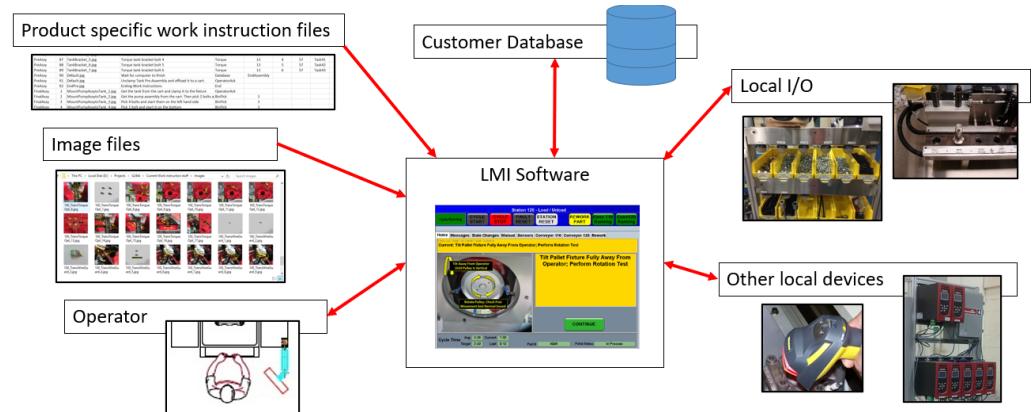
Enable first-time build in  
station quality

Enable product recipe  
management

Operator work  
instruction and  
monitoring

Maintenance screens

## Operator Work Instruction and Work Monitoring - LMI



## CHALLENGE

In any manufacturing and assembly process, operators and automation require combinations of scheduling, recipe management, work instructions and work execution monitoring to ensure first time, in-station quality. There is never better quality than when products are manufactured in sequence using the original operators, equipment and processes. In this case, our customer required JR Automation a fully functional system which would provide all of these functions.

## OUTCOMES AND BENEFITS

- Visual and sequential operator work instructions guide operators through configured standardized work
- Successful operation monitoring for torque, part assembly, part pick and work complete
- Historical records created for traceability
- Monitors integrated to processes, such as leak test and leak test results
- Maintenance monitoring and screens for maintenance scheduling

## SOLUTION

For this equipment manufacturer, JR Automation utilized a proprietary MES application called LMI to provide this functionality. Utilizing LMI, JR Automation installed and fully integrated the LMI MES System, provided configuration for all recipes and work instructions, provided and installed all operator interface hardware and touch screen monitors to display work instructions and fully configured and commissioned the system.