



STEELHEAD
technologies

STEELHEAD is an Industry 4.0 Manufacturing Execution System leveraging artificial intelligence and advanced computing to increase the throughput of your manufacturing plant.

Steelhead employs cutting edge solver technologies to run your plant at maximum potential, while the centralized server deploys work instruction to specific work stations.

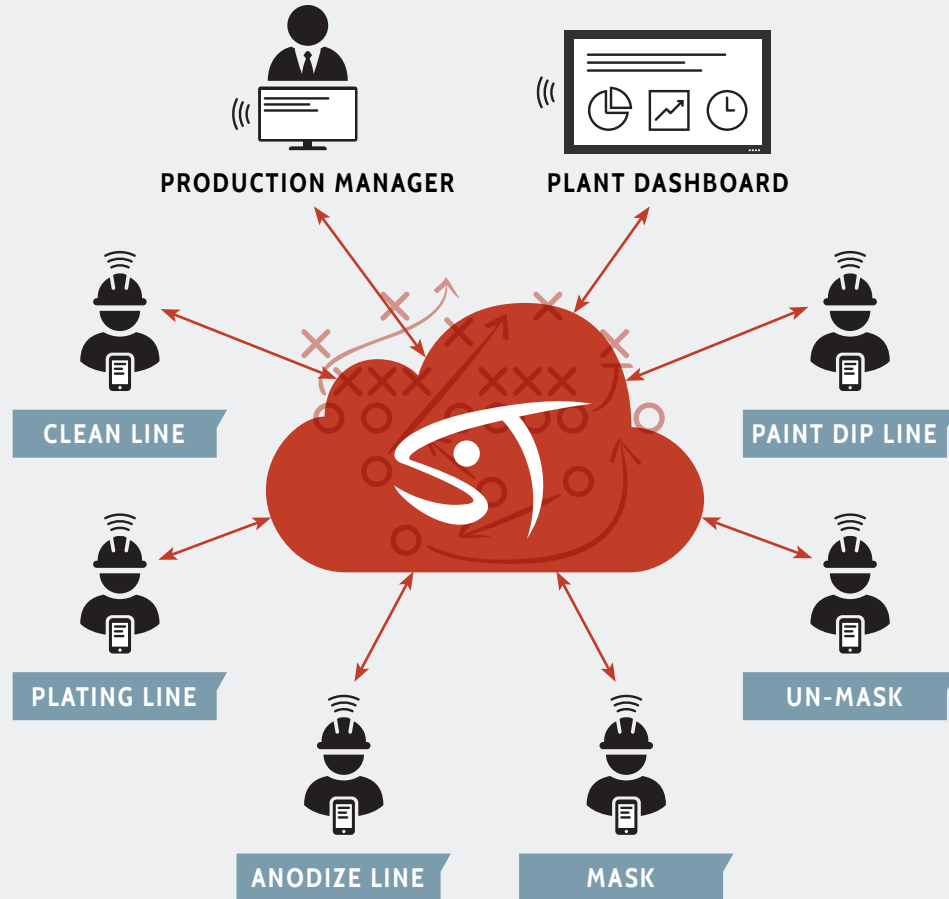
The Steelhead system empowers operators with the right information at the right time, improving quality, production, and traceability.

STEELHEAD OPTIMIZATION & AUTOMATION

1. **SEQUENTIAL OPTIMIZATION** arranges processes of each work order to minimize change over and improve schedule density.
2. **SIMULTANEOUS OPTIMIZATION** will ensure bottle neck processes are at maximum capacity by strategic combination of work orders.
3. **SCHEDULING AUTOMATION** deploys work instruction to operators, while reacting in real time to disruptions.

THE STEELHEAD TEAM has over 70 years of combined experience across Manufacturing, Industrial Software, Cybersecurity, Statistics, Engineering, Mathematics and Quality.

Customized for each plant, Steelhead provides Production Managers with a powerful tool to create execution plans, and to automatically deliver instructions to a decentralized work force.



KEY FEATURES

WORK ORDER CREATION

Ultra-modern recipe creation and databasing reduces management burden.

PLANT SCHEDULE OPTIMIZATION

Steelhead runs a state-of-the-art algorithmic solver deploying artificial intelligence to determine the most efficient way for a manufacturing plant to process the work orders in its queue.

PAPERLESS WORK INSTRUCTION

Data-rich work instruction and data entry on mobile tablets. Simple and just-in-time task instruction improves First-Time-Through Quality and reduces operator training time.

TRACEABILITY

Simplify root cause analysis with clear historical digital documentation.

Detailed Quality and Audit data is collected through mobile tablets and is stored digitally for quick and easy access.

IMPROVED QUALITY AND OPERATIONS INTEGRITY

The centralized Steelhead system deploys work instructions and gathers quality data with an array of tablets.

PLANT MANAGEMENT

With automation of both plant scheduling and work instruction, management can focus on more strategic initiatives.

A plant wide dashboard provides real time status at a glance, on-site or remote.

PLANT STATISTICS

Maximize productivity of each process with custom statistical reporting tools.

Predictive schedules provide confident lead times on new orders.

Pinpoint operator training to those who need it.

Integration with accounting softwares for streamlined invoicing.

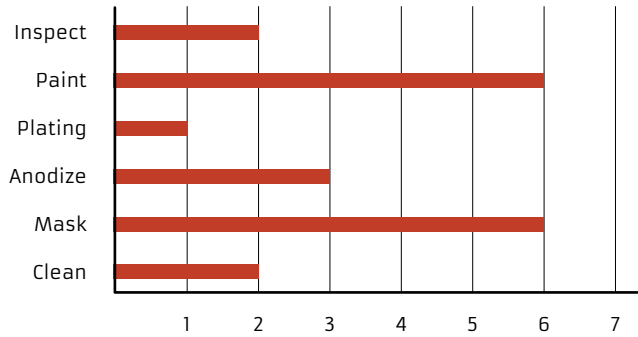
FOR MORE INFORMATION

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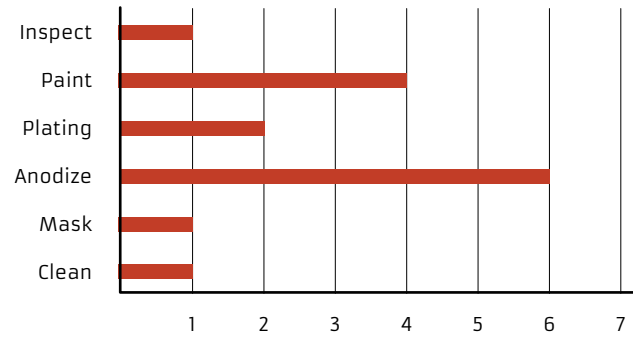
STEELHEAD PRODUCTION DASHBOARD

LATE ORDER RISKS

CURRENT AVERAGE TIME BUFFER

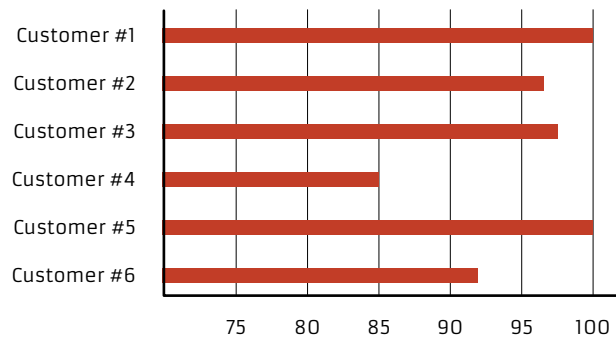


REWORK COUNTS



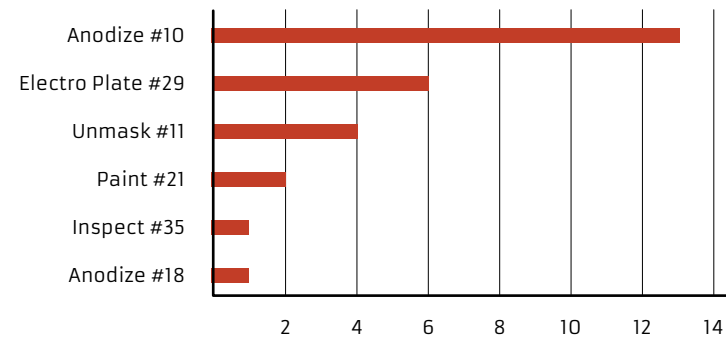
ON TIME PERFORMANCE

PERCENTAGE BASED



WORK STOPPAGE

MINUTES SINCE ACTIVE



PRIORITY WORK ORDERS

	FORECAST COMPLETE	DEADLINE COMPLETE	CURRENT STATION	OVERALL STATUS
Customer #1	5/6	5/6	M	■
Customer #3	5/7	5/7	P	■
Customer #2	5/10	5/10	A	■
Customer #6	5/5	5/5	I	■
Customer #5	5/5	5/5	I	■
Customer #6	5/6	5/6	M	■
Customer #1	5/7	5/7	P	■
Customer #3	5/8	5/8	A	■
Customer #4	5/9	5/9	A	■
Customer #4	5/17	5/17	C	■
Customer #2	5/19	5/19	C	■

