

FERO SAW OPTIMIZER RECOVERS YIELD WHEN CUT SEQUENCES GO OFF-PLAN

Fero Saw Optimizer helps saw operators make the most valuable cut decisions when conditions change - consistently across every crew

YOUR CREW PERFORMANCE GAP IS ALREADY COSTING YIELD

At one long-product mill, normal production disruptions pushed more than 40% of cut sequences off-plan. Differences in crew-to-crew decisions then produced a measureable yield gap.

~40%

CUT SEQUENCES
OFF PLAN

7-12%

YIELD LOSS RANGE
BY CREW

~\$1.20/ton

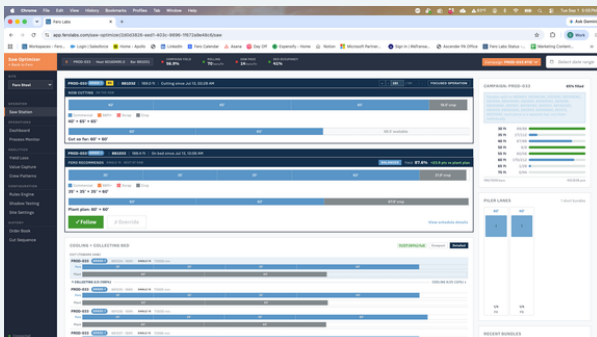
ANNUAL SAVINGS
OPPORTUNITY

THE UPSIDE WENT BEYOND MATCHING THE BEST CREW

Improving the top-performing crew, while bringing the rest to the same consistent decision standard, created a further est. 1.5-2% yield improvement opportunity.

1.5-2%

YIELD
IMPROVEMENT
POTENTIAL



Fero Saw Optimizer (FSO) supports your Saw Operator at the exact point where performance begins to diverge: when the planned cut sequence changed and the next decision has to balance yield, rolling mill pace, customer orders and downstream flow at the same time.

The result: more consistent decision standards across crews without removing operator control.

LIVE OPERATIONAL DECISION SUPPORT THAT KEEPS PACE WITH PRODUCTION CHANGES

Fero provides precise and explainable cut decisions in real time to keep pace with the rolling mill and maximize order margin

Using deterministic rules, hardcoded by your expert Process Engineer, Fero keeps recalculating the best available cut decision when defects, constraints, or order priorities change production. Fero provides operational decision support so operators can determine the best available course of action as soon as conditions change.



**PRECISE CUT ACTIONS WITH
EXPLAINABLE RATIONALES IN REAL TIME**



**CREW PATTERN ANALYSIS
AND YIELD LOSS REPORTING**



**VALUE CAPTURE REPORTING TO SHOW
YIELD AND CREW PERFORMANCE IMPROVEMENT**

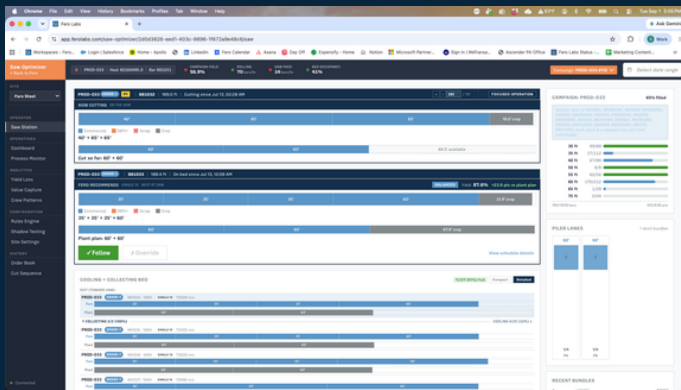
For years, steel producers have focused on improving production planning. Scheduling systems have become increasingly sophisticated because better planning delivers measurable value. Yet planning can only optimize the conditions that are known before production begins. Once production moves away from that plan, the optimization problem changes completely. **Fero Saw Optimizer** enhances crew performance inside the saw station by providing the most valuable course of action as soon as conditions change.

HEURISTIC OPERATIONAL DECISION SUPPORT FOR IMPROVED PRODUCTION YIELD

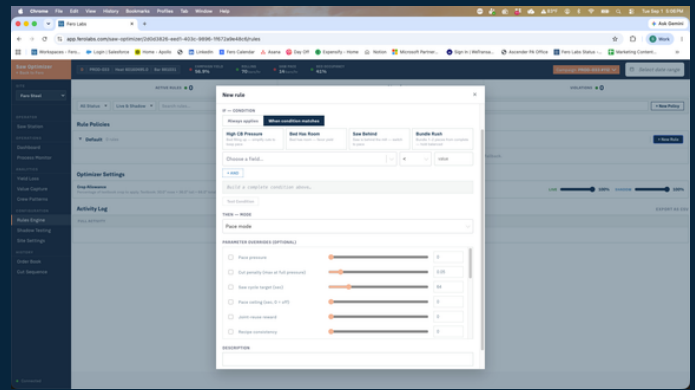
SAW STATIONS USING FSO ARE NO LONGER THE CHOKEPOINT OF THE MILL - THEY'RE THE GREATEST POINT OF VALUE

Insights for Saw Operators, Process Engineers, Plant Managers, and Corporate

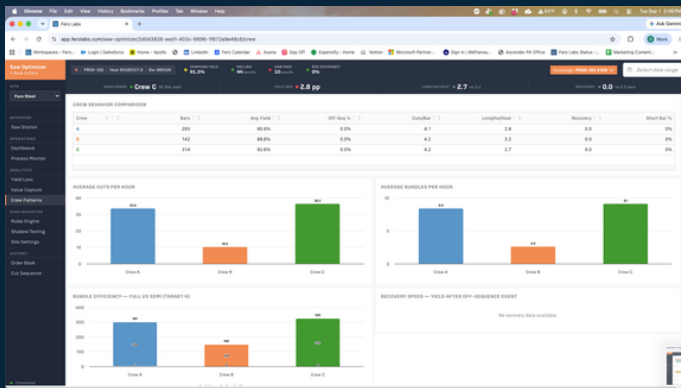
- Saw Station Live Overview
- Yield Loss reporting
- Value Capture revenue reports
- Crew Patterns and Comparisons
- Shadow Testing in parallel to production
- Campaign order predictions
- Early campaign alerts
- Cut sequence decisions for auditing



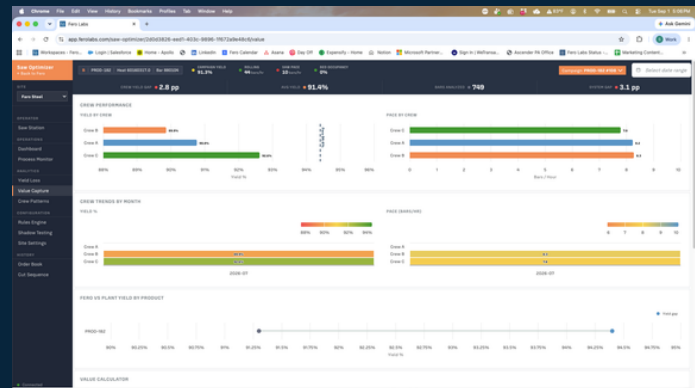
Live campaign status reporting and predictions, with precise cuts per heat for each saw



Pre-determined rules for pace vs yield



Identify crew patterns to evaluate where optimization and intervention would be needed



Assess each crew by business impact including value captured, yield loss, and actions taken

If your mill produces long products with variable lengths, book a demo to see how Fero is helping steel producers improve consistency, protect yield and support better operational decisions with every cut.

[**CLICK HERE TO BOOK A DEMO**](#)