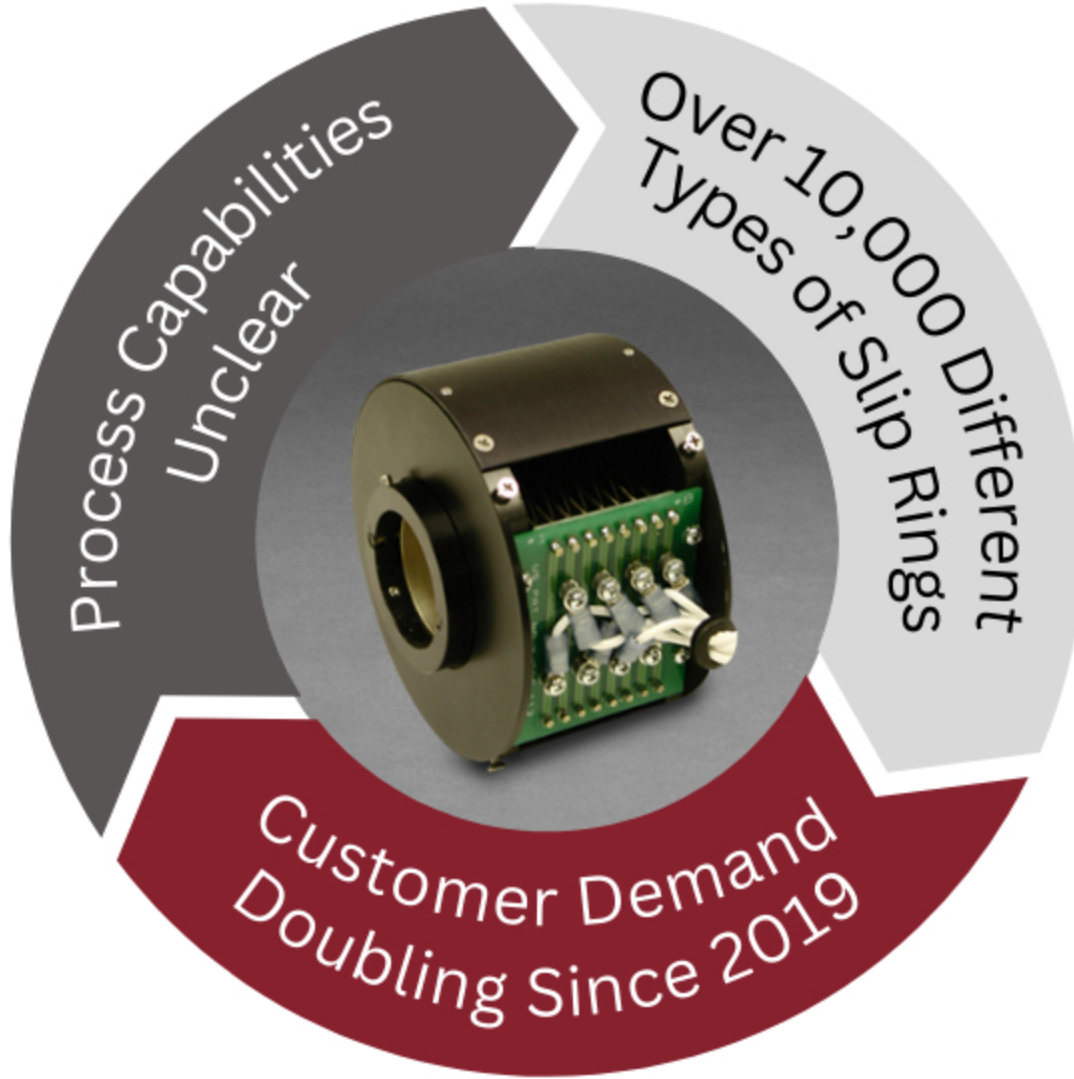


Background



Objectives



Improve product throughput by 10%



Improve on time shipments by 10%



Reduce scrap and rework by 10%

Constraints



Processing Time Extensive processes longer than 2 weeks.



Operator Experience Varying levels of experience.

Our Solution

This is a concise version of one of the completed Value Stream Maps.

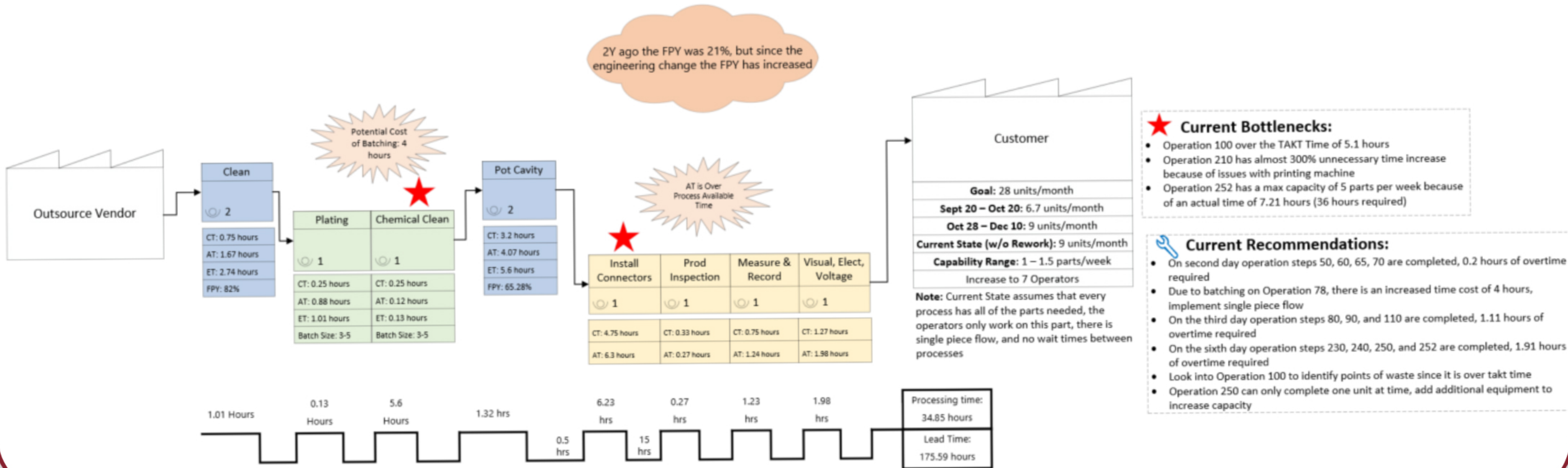
Color-Coded Work Centers

Processing & Lead Times

Material Handling

Capability Ranges

Kaizen Bubbles



Methodology



Data Collection

- Collect process data from client.
- Transform data to conform to standards.



Value Stream Map

- Project process data onto a value stream map.
- Organize by work-centers.



Consult Engineers

- Review initial map accuracy with engineers.
- Incorporate engineer feedback.



Analyze Map

- Identify the bottlenecks.
- Identify continuous improvement opportunities.

Results



- Improved throughput by **156%**
- Improved on time shipments by **41%**
- Increased revenue by **50%** and gained an additional **1.5%** of profit



- Reduced scrap by **15%**
- Reduced rework by **6%**

Impact



Labor Allocation

Redirected labor to bottlenecks enhanced throughput.



Focused Investment

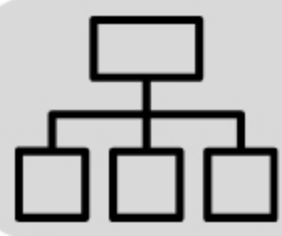
Clear performance drove investments and boosted profits.



Customer Fulfillment

Customer satisfaction rose with increased on-time shipments

Key Deliverables



5 Value Stream Maps



22 Recommendations



12 Bottlenecks