INNOVATION - WE ALWAYS FIND A BETTER WAY

INNOVATION MONTHLY RECOGNITION

September 2022

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MONTHLY RECOGNITION

"What can we change to make things / processes / products better?"

PROJECT:

**Semi-Automated S&B Measurement System**

TEAM:

- Achyut Pillai (Intern)
- Chiang Wu
- David Iannamico
- Dennis Pham
- Jay Shenoy

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Semi-Automated S&B Measurement System

Project shows a quick turn development, build and proof of concept completion of a semi-automated modular flatness / sag & bow measurement system.

	Teamwork	Company Impact	Customer Delight	Comments (-> Add your own assessment on each criteria as Low/Med/High)
	H	M	M	High team effort and mentorship of college Sophomore which solves a real-world customer pain point in a cost-effective manner.
Team Member List (2-7)	Achyut Pillai (Intern), Chiang Wu, David Iannamico, Dennis Pham and Jay Shenoy			

- [Fixture Demo Video](#)
- Fixture Allows for S&B Measurement of Servers to Identify Out of Spec Tolerances Crucial During the Design and MP Phases
- Semi-Automated Workflow Reduces Measurement Time ~ 10x
- ~ $1.6K USD POC Build Cost vs. ~ $30K
- Above and Beyond Internship Experience (Solves Applicable Real-World Problem)
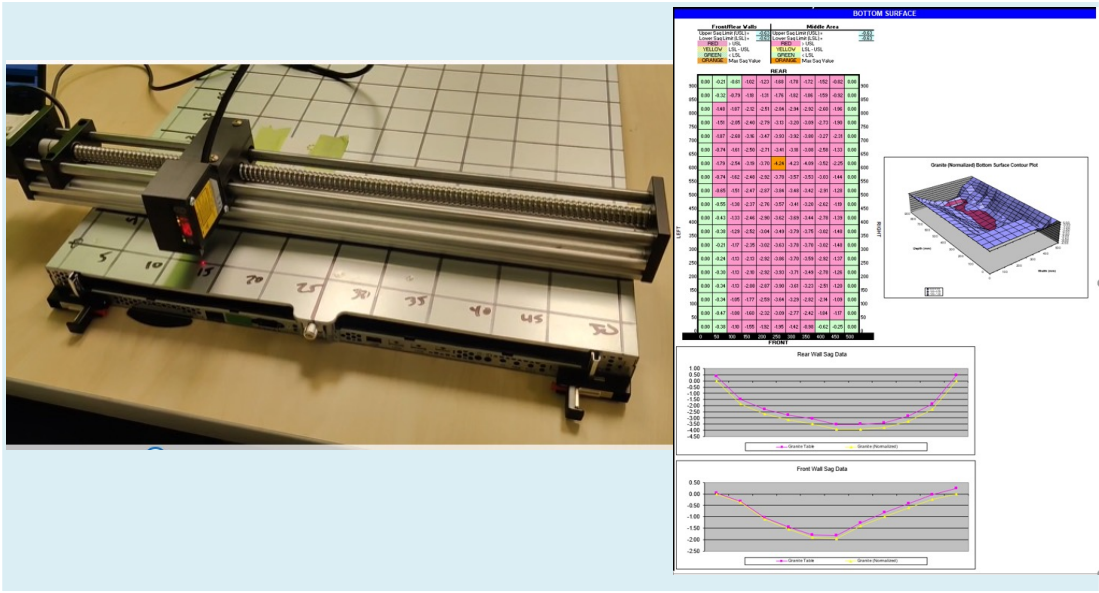
MONTHLY RECOGNITION

"What can we change to make things / processes / products better?"

PROJECT:

Examining Customer Log Parsing Process

TEAM:

- Alex Matias
- Neil Da Cunha

INNOVATION

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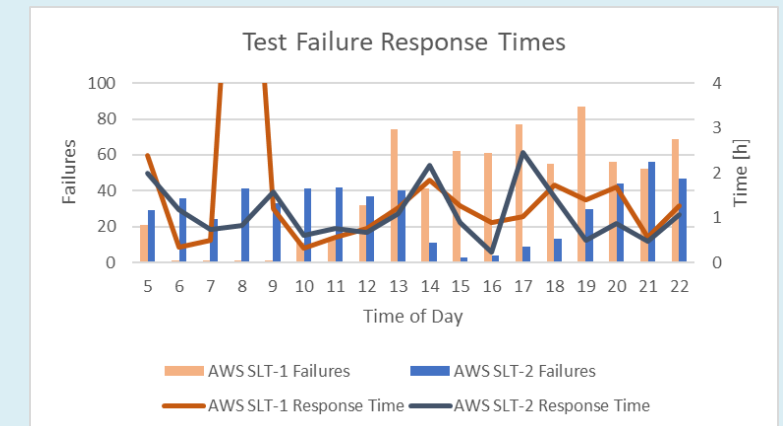# Examine Customer Log Parsing Process: Test Engineering

Due to the number of test failures and response times, investigation and activity were needed to improve our throughput to meet customer demand. Cannot control customer test, so the focus needs to be on clarifying the logs and providing a process. Operator should be able to disposition failed server without TE feedback on every failure. TE can update MFG Collector website to download logs from the customer FTP and parse them for the most common failures.

	Teamwork	Company Impact	Customer Delight	Comments
	H	H	H	All errors occurring during customer test require TE disposition. Operators must receive disposition from TEs before removing servers. Problem statement is to Investigate ways to decrease test failure response time. Goal - Simplify process for obtaining and interpretating logs for operators. Target - Measure operator response in minutes instead of hours (reduce all response times below 1 hour)
Alex Matias, Neil Da Cunha				

- ~115 servers needing TE dispositions a day (~60 per shift)
- ~3-5 minutes per server ==> ~3-5 hours of TE work per shift
- Operators average ~1 hour response to failures occurring during working hours
- Phase 1: Automate log gathering. TE will use new software to speed up log gathering down to seconds in improve response times to tickets.
- Phase 2: Hand off to production and eliminate ticket process
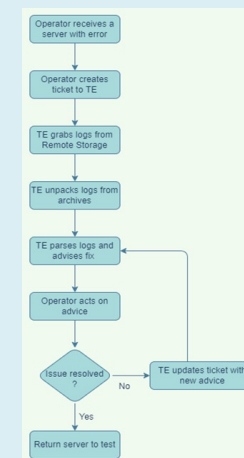
Process Flow

Test failure response times