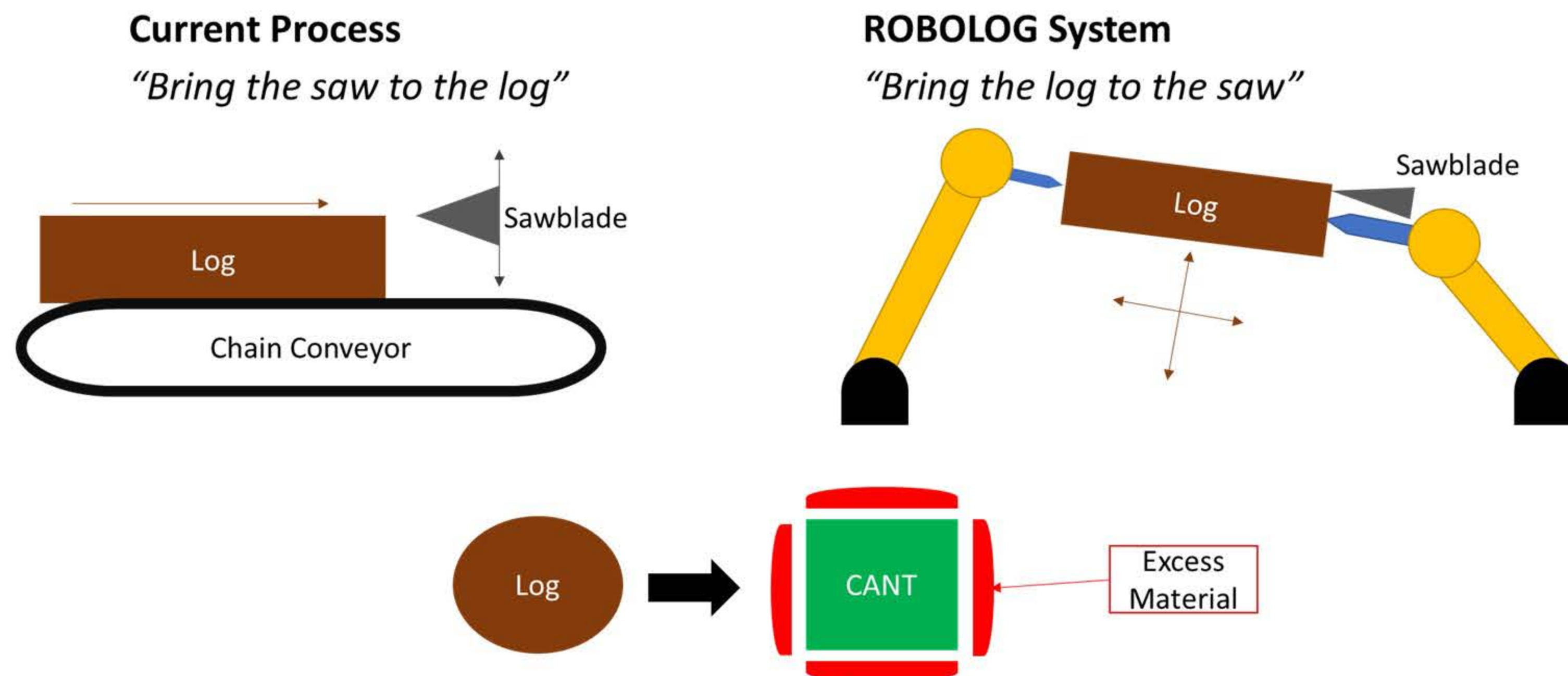
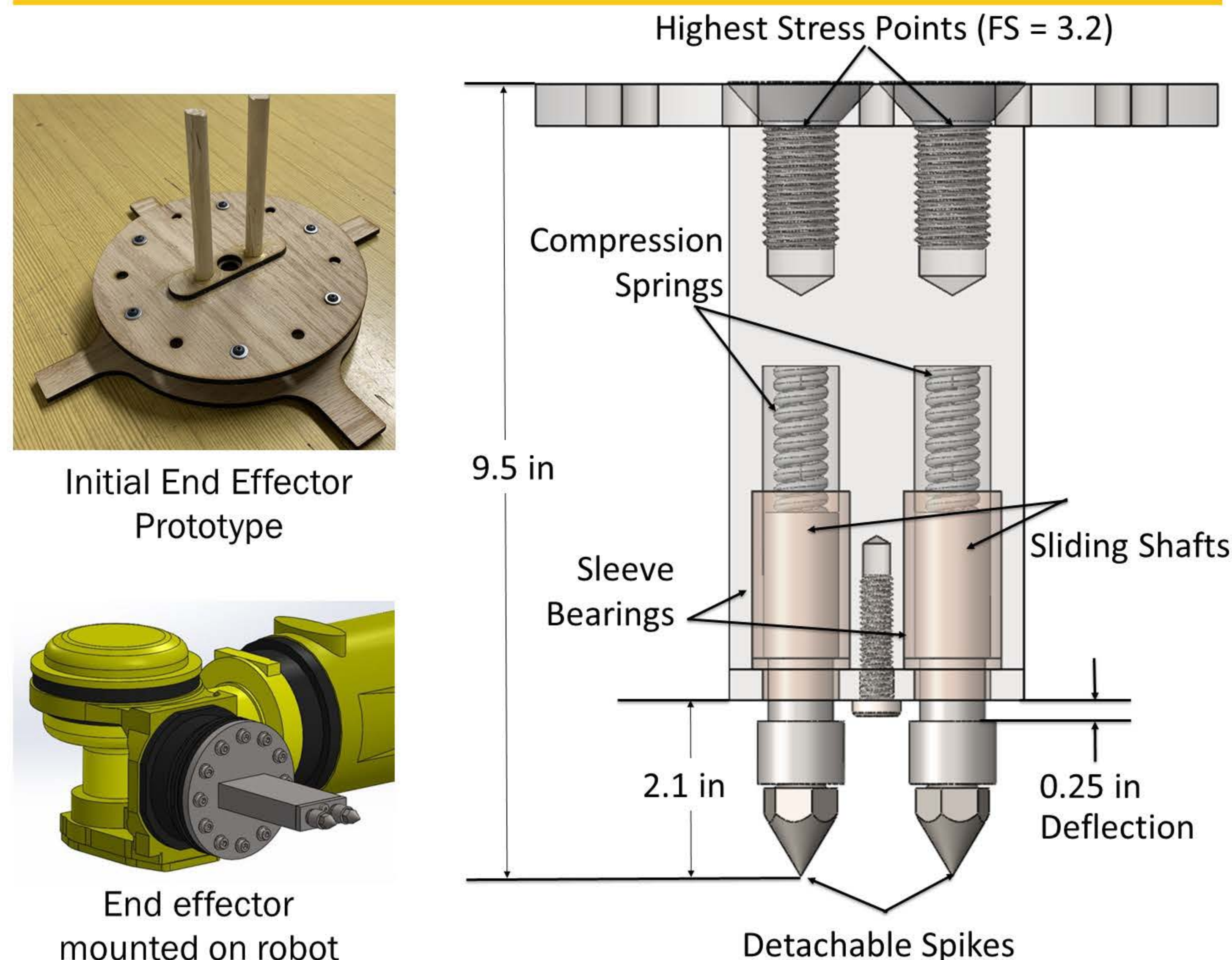


BACKGROUND

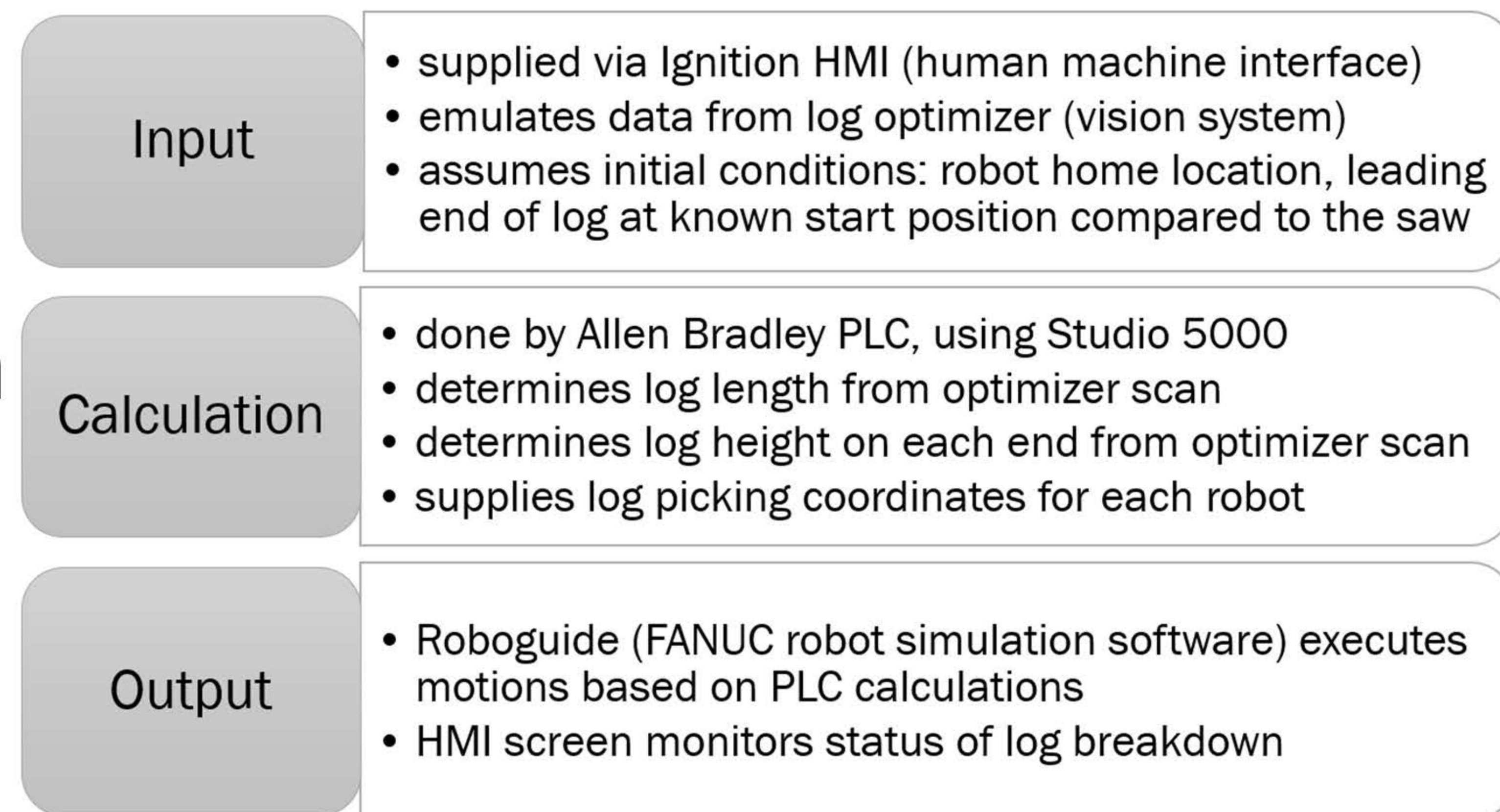


The RoBoLoG system uses a pair of robotic arms to manipulate the log through a bandsaw. The robotic arms allow greater range of motion compared to the current sawmilling process. The new approach facilitates more efficient log breakdown with better utilization of the excess material.

HARDWARE DEVELOPMENT



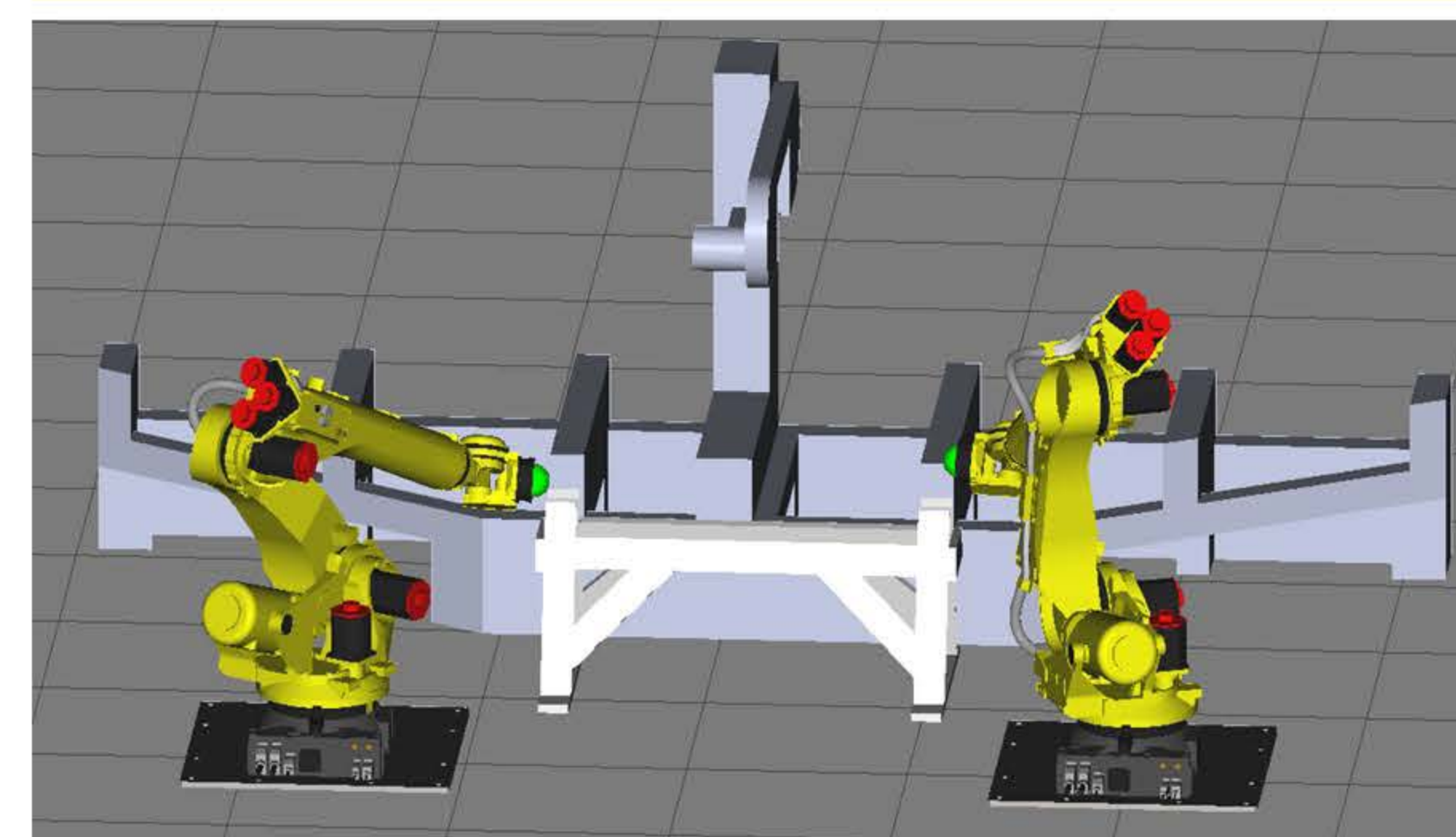
SOFTWARE DEVELOPMENT



SUMMARY

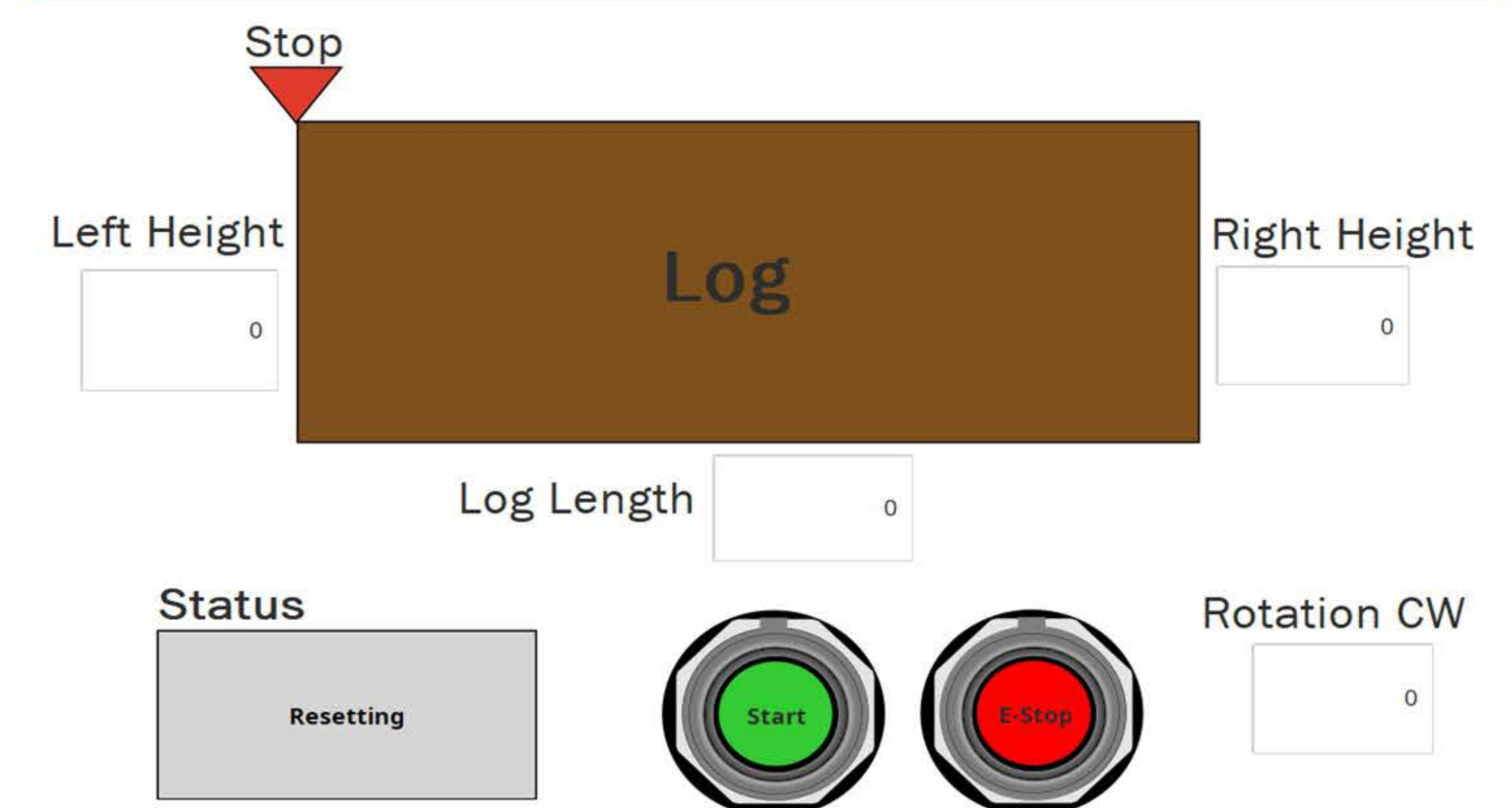
The system is ready for extensive onsite testing before being adopted for production. The team believes this system will provide IDFG with a competitive and sustainable advantage. Future work includes testing various spike geometries, programming to eliminate robot fault errors, and incorporation of curve sawing capability.

ROBOGUIDE: ROBOT SETUP



Screenshot of simulation software to test programming and end effectors

RoBoLoG TESTING INTERFACE



RECOGNITION

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Project Mentor
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– Chad Kosmicki
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