

2014 Manufacturing Safety Innovation Challenge

Johnsonburg J1 Machine

2nd Press Felt Removal Solution

This pin-seamed felt application has been historically removed manually via manual process involving 6-8 employees.

Felt being removed was physically pulled/tugged into basement and cut into 8 ft. lengths, folded over onto itself, rolled towards the aisle, and tossed into a rolling cart.

This high risk task due to tight quarters, demanding body positions, necessary pulling activity, and general over-exertion exposure has contributed to a recent LTA for this particular department.

Internally designed solution involves the installation of mounted chuck assemblies on both front and back side rails. Felt being removed is rolled full width in one piece onto a cardboard tube. The front assembly is driven with a handheld drill. Old felt is hoisted utilizing existing overhead rail onto cart for removal. No lifting or pulling required!

