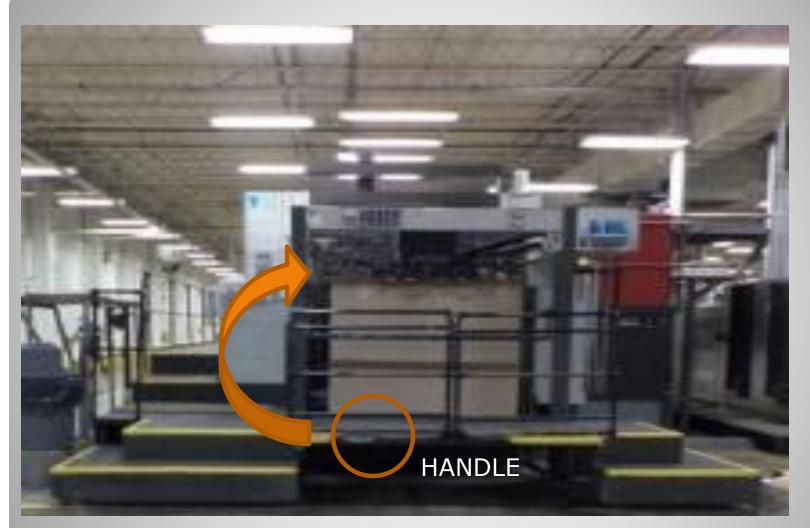


Feed Platform Lifting Automation Joplin Folding Manual Lifting of Feed Table
 Strains/Sprains Potential
 15 Near Misses Reported



- No Injuries Reports Only
 - Hassles can be dull aches or discomfort which disappears with rest.
 - Aching and fatigue in the affected area during working hours; settles during off hours.

Project Background



Platform was manually lifted

			Risk Assessment					Action Results				
			А	В	С				D	E	F	
			Severity of Potential Incident	Frequency of Exposure	Occurrence		CR an ki g	Po In Death	Severity of Potential Incident	Frequency of Exposure	Likelihood of Occurrence	D x E x
			Death 5	5 At all times 5	Highly Likely 5				Death	5 At all times 5	Highly Likely 5	
			Disabling 4	Once / Hour 4	Probable 4				Disabling	4 Once / Hour 4	Probable 4	
			Lost Time 3	3 Once / Day 3	Likely 3				Lost Time	3 Once / Day 3	Likely 3	
			Recordable 2	2 Once / Week 2	Unlikely 2				Recordable	2 Once / Week 2	Unlikely 2	
	Action or Condition	Hazard(s) Identified	First Aid 1	Once / Month 1	Highly Unlikely 1	Risk Factor		Recommended Countermeasure	First Aid	1 Once / Month 1	Highly Unlikely 1	Result Risk Factor
1	Lift Table Up	Strain/Sprain - Shoulder	2	4	4	32						
2	Lower Table Down	Strain/Sprain - Shoulder	2	4	4	32		Install Hydraulic Lift and Automate System	1	4	1	4
3	Lower Table Down	Struck by - Head	2	4	5	40						
4	Latch Safety Chain	Pinch Point	1	4	2	8						
	·				Highest	40						
					Reduced to	4						
					Risk Reduction %	90%						

HRA

Automation <u>Video</u>

Final Product

Total Project Cost = \$13,748.83

Labor- \$7,826

Materials- \$5922.83 (includes 2 HP hydraulic motor, wiring, metal, and velocity fuse to eliminate the table falling)

Project Cost

Near Misses = 15 Initial Risk Score = 40 After Risk Score = 4 **RISK REDUCTION OF 90%**

Material Cost Strain/Sprain Potential Cost 15 NM/Close Calls x \$5,000 OVERALL COST TO BUILD = \$ 13,750
\$ 5,000
\$ 75,000
\$ 13,750

<u>COST AVOIDANCE = \$61,250</u>

Innovation Results