

MSK FILM HEIGHT ADJUSTER

Domtar Addison Converting

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Original Film Height Adjustment Handle

The original height adjustment handle was located in an awkward area and required ducking into a cramped location with risk of strain or head-bump; it also would usually take a few tries to get it into the acceptable position.



Film Height Adjustment Handle – original location.

1st Improvement from Original Location



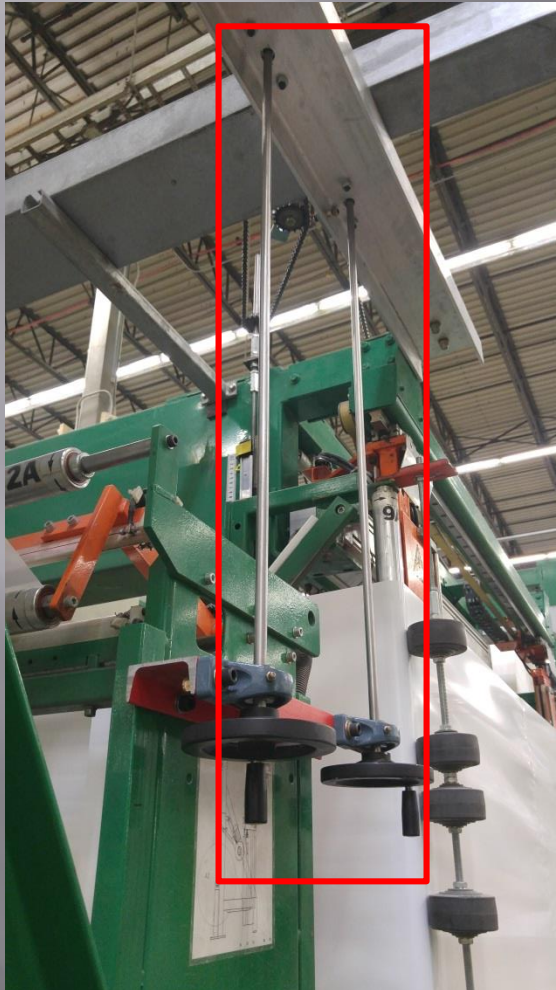
An earlier improvement was made with threaded rods and hand cranks to allow easier adjustment. This made it much faster to adjust but we found that employees were stepping on the conveyor and then onto electrical cabinets to reach the new hand cranks.

“Final” Version of Film Height Adjuster



The project at this stage uses chains, sprockets, and shaft to relocate the handles to a reachable location for any employee inside the safety cage.

“Final” Version of Film Height Adjuster



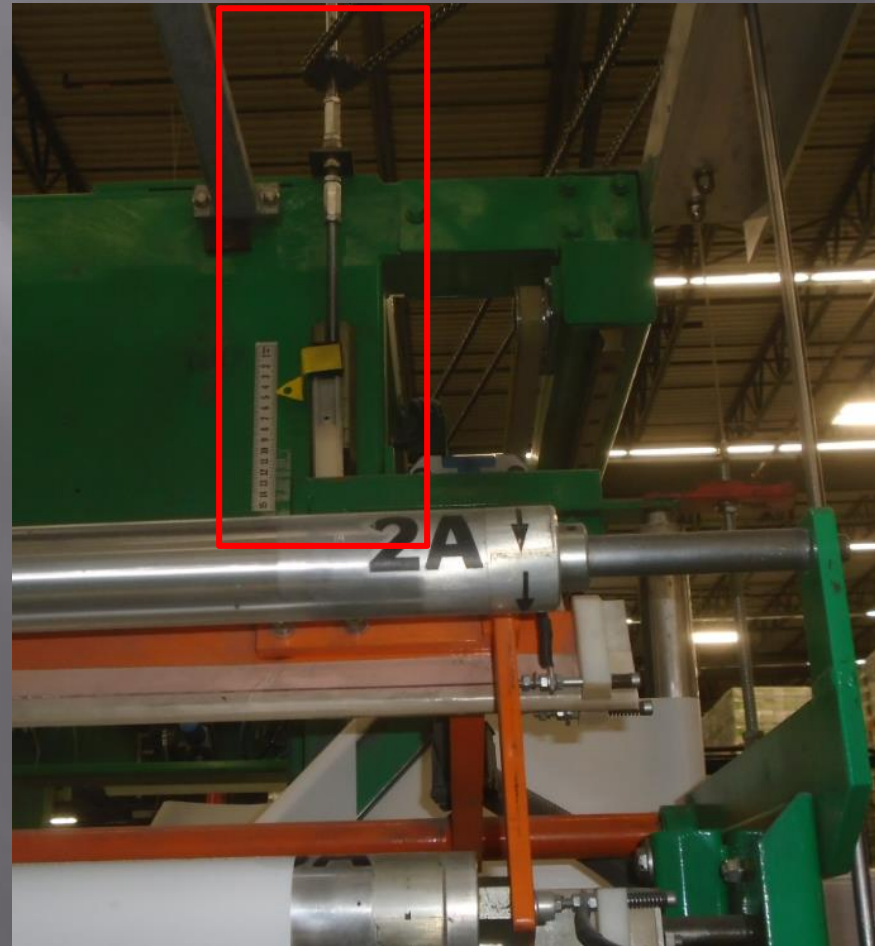
View of adjusters “looking up” to see rods, chains & sprockets



View of adjusters in relation to equipment and interlocking safety gate.

“Final” Version of Film Height Adjuster

In addition, we made adjustments to the measurement guide in order to better see adjusted height of film



“Final” Version of Film Height Adjuster

Employee utilizing new adjuster; no longer needs to climb on the electrical box or stand on the conveyor.

With both sides of the film height rig now controlled with reachable handles on one side, employees no longer need to climb over the conveyor to adjust the opposite side.



Cost Breakdown

We had several of the pieces already on hand, but approximate value of replacement parts would be as follows:

Sprockets.....\$60.78

Shafts.....\$200

Bearings.....\$63.48

Chain.....\$137.10

idler assembly.....\$128

TOTAL\$589.36

Future Version of Film Height Adjuster

Going forward, we plan to move the adjusters outside the interlocking safety gate to further reduce potential risk to employees.

