

240-375



NEW Product Design



Design Improvement #1 – The conveyor hydraulically raises and lowers from 10° to 32° enabling the end user to easily switch spout

Design Improvement #2 – Cost savings from removing the 2:1 gear reduction on the Honda engine. In addition, we can now charge the battery.

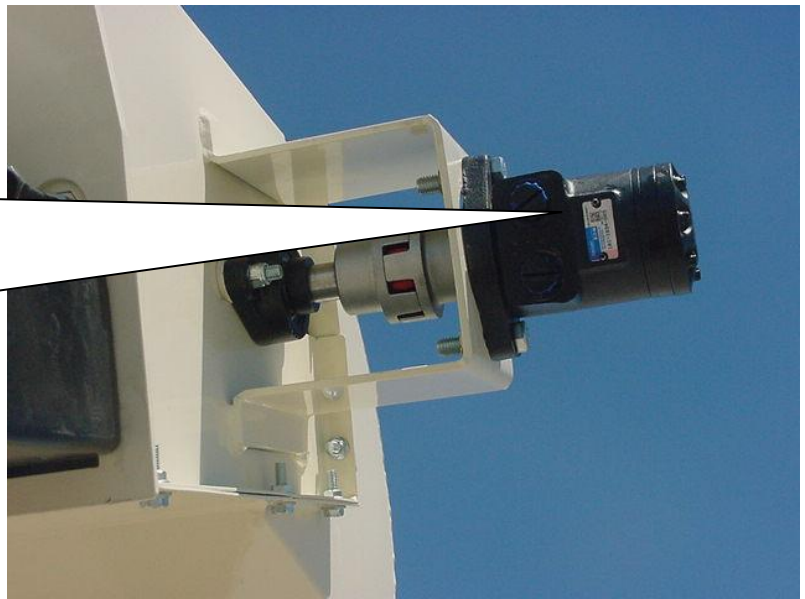


Design Improvement #3 – Easier to rotate the conveyor by making use of a turn table bearing and UHMW skid pads.



Design Improvement

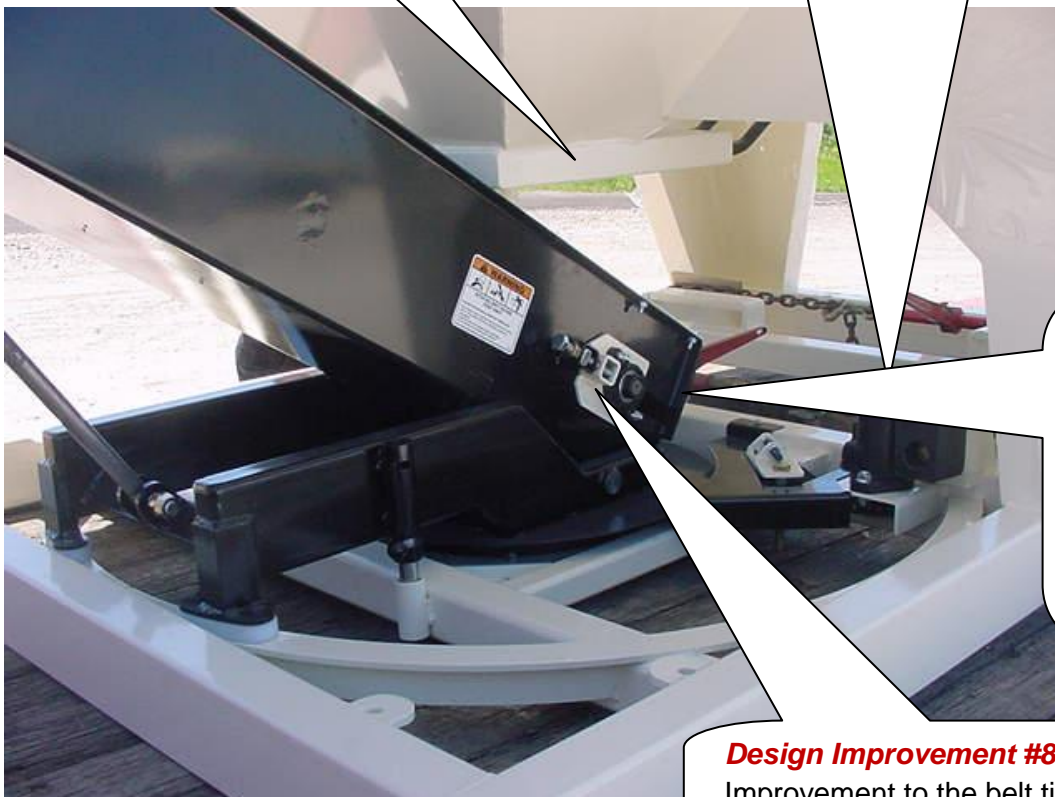
#4 – By relocating the drive roller to the top of the conveyor, we have much better efficiency for driving the KSI belt. In addition, the belt is now hydraulically driven.



Design Improvement

#5 – Plastic gate insert to control gaps between mating parts and therefore preventing leakage of product.

Design Improvement #6 – 180° rotation of the conveyor is driven hydraulically. This method of rotational actuation allows the end user to lock the conveyor at an infinite angle of rotation within the 180°. In addition this mechanism adds another system to preventing the conveyor from swinging freely during transport.



Design Improvement #7

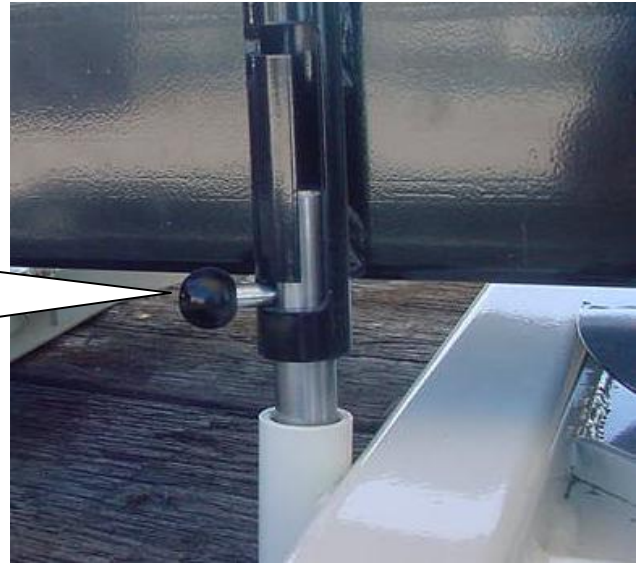
– Improvement to the cleanout door to make it easier to remove debris from the bottom end of the

Design Improvement #8 –

Improvement to the belt tightening system in terms of access and ease.

Design Improvement

#9 – Transport locking pin adds an additional backup system to prevent the conveyor from rotating freely during transport of the tender.



Design Improvement

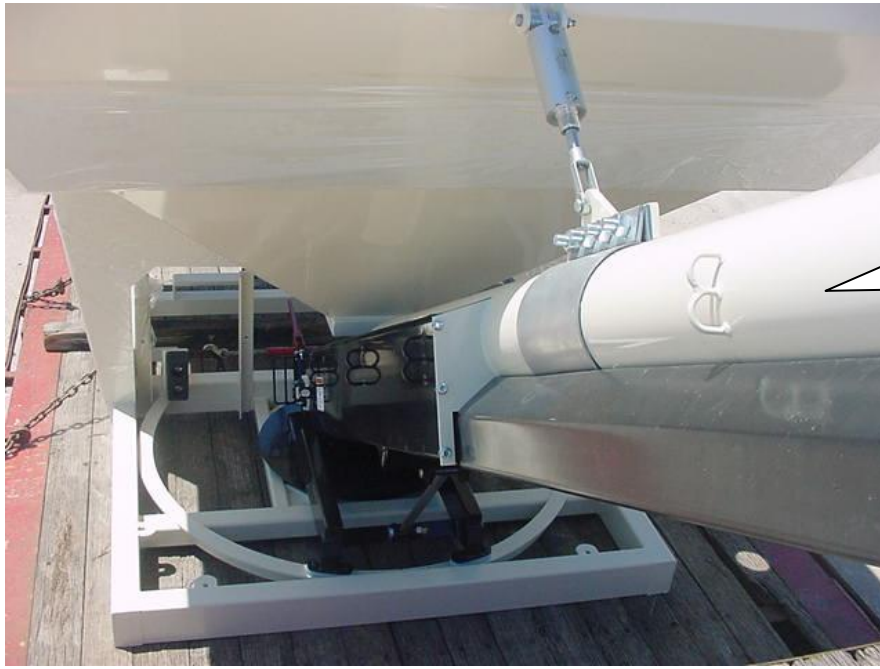
#10 – A transport latch system that cuts the shock load that the conveyor sees during transport in half.



Design Improvement #11

The plastic belt guard is being used on the Ø8" conveyor to follow the existing practice on the Ø6" conveyor.





Design Improvement #12

– The conveyor tube length has increased by 2'. By lengthening the conveyor tube, we have increased the discharge height by 12 ¾".

Design Improvement #14

– The end user can remotely control the conveyor belt speed, conveyor discharge height (approximately 6'), and conveyor 180° rotation. There will be two (2) remote styles for the Dealer Day to collect feedback. There will also be room on these remotes for expansion such as slide gate control, seed treating, etc.

