

# **SPUDNIK**

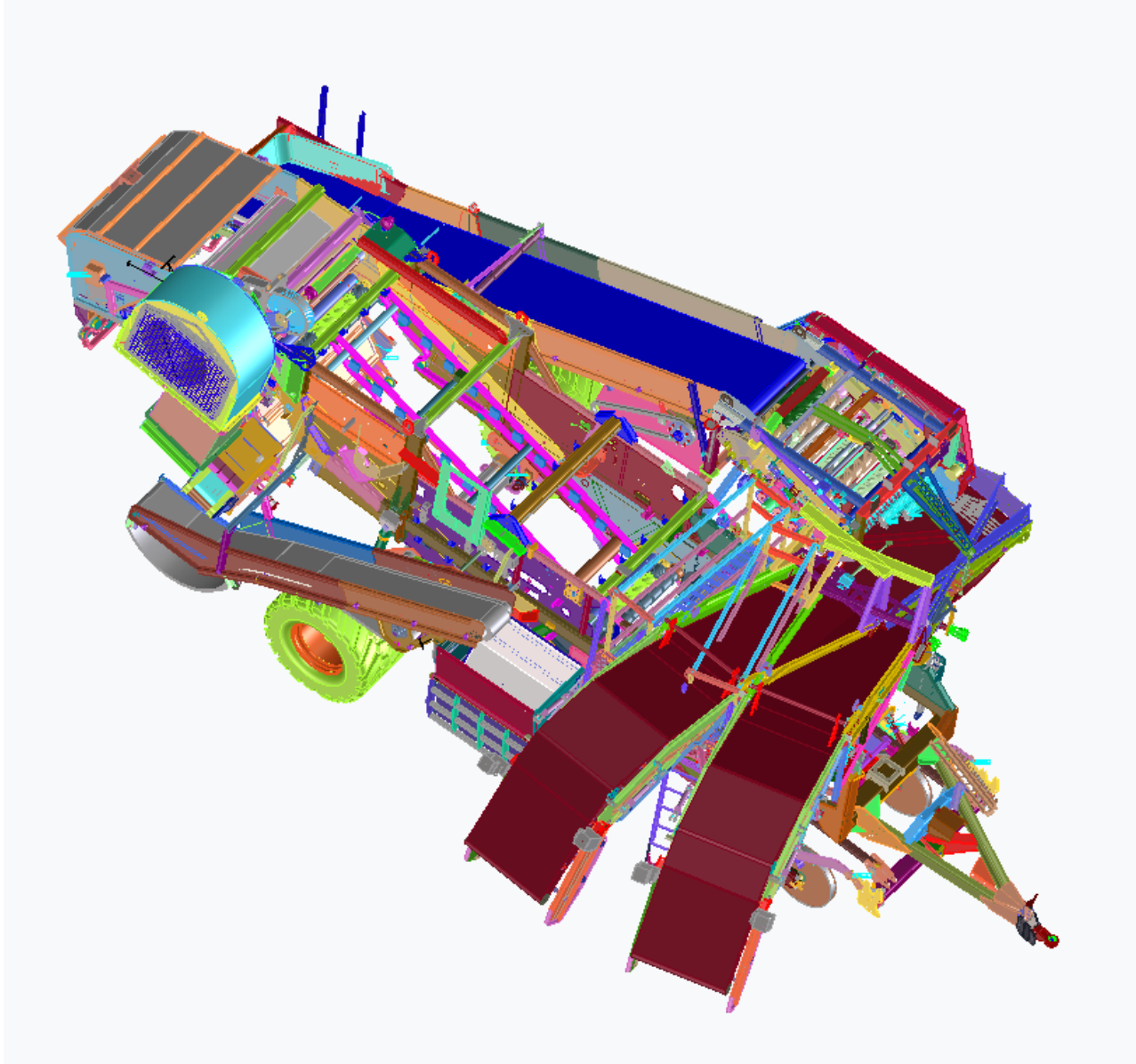
**HARVESTING SUCCESS!**



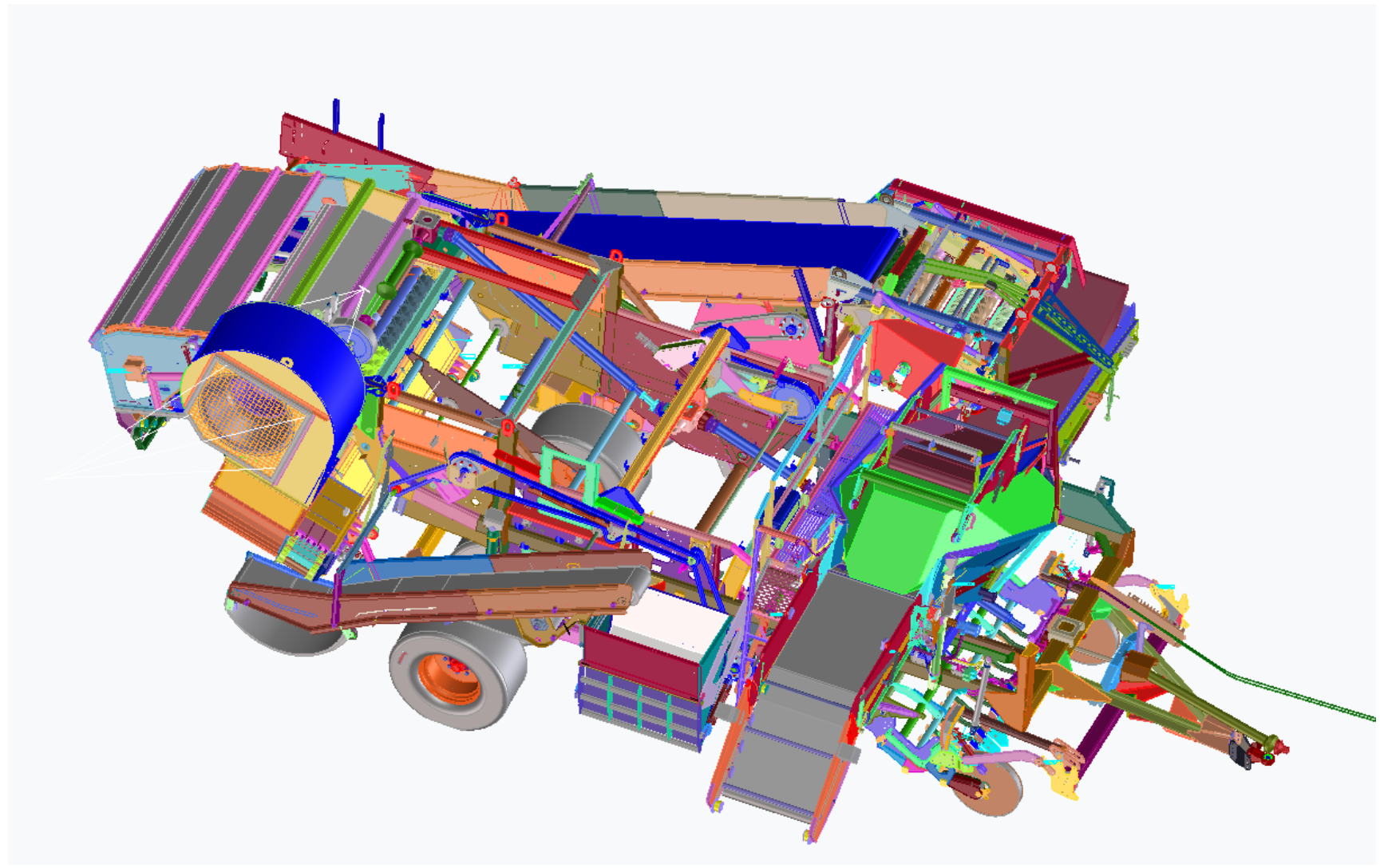
**AIRSEP**



# UPDATED 6621



# Updated 6631



# Changes overview

## Mayor changes:

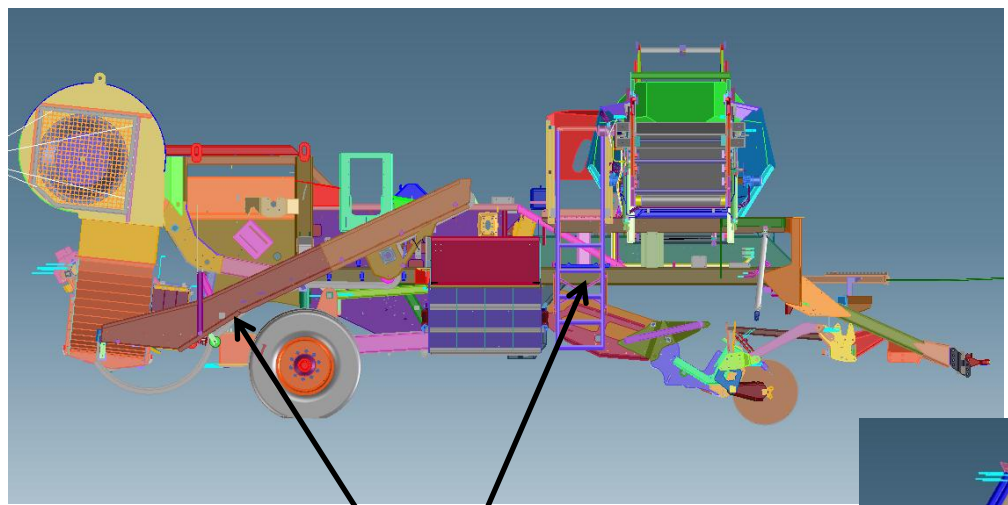
- rock box is moved back to save weight
- Swing boom option added possible on 6621-6631
- Lower simple-Sep simplified to from catching
- UPPER SIMPLE modified, rocks got caught between steel rollers Simplified over ride roller
- Airsep rock conveyor got widen 16" now to prevent rock get stuck
- Simplified rock exit
- Shaker table drive changed, because: if transfer rollers in the back are moving to fast they could bruised potatoes
- Changed rubber mounts on airsep to bone style
- Simplified rock exit on rock conveyor
- new diviner drive, because :
  - deviner was skiping
  - deviner wasn't pulling straight,
  - allowing trash conveyor like 991.
  - no override roller to save cost
- Trash conveyor option added. The old version didn't allow vine removal with blower like on 6640. In long term side elevator M-Sep is not needed to remove vines and gras, which should save cost.

# Changes overview

## Major changes :

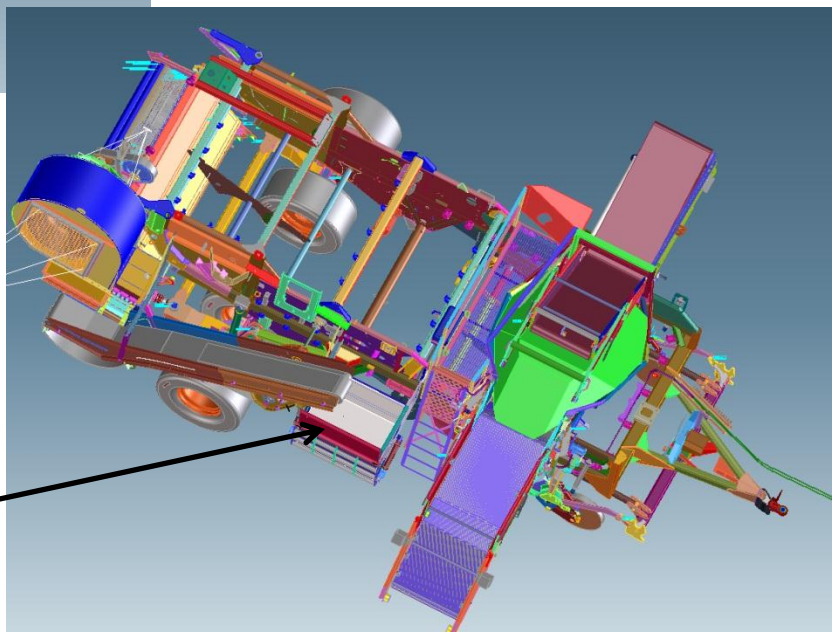
- Main drive reinforced torque tube and PTO SHAFT (torque tube only on 6631)
- Harvester will have S4 Platform
- All secondary and Primary chains are a little bit longer to create bigger belly to let rocks and debris out
- Hydraulic adjust of hump added. Old style allowed blade to get to shallow and digger nose did go in the ground
- Coulter and Digger nose hydraulic simplified
- Holding tank boom lengthen, old boom was not long enough, truck had to be too close to the tractor
- Axle moved 3" to the front to get room for bigger rock conveyor and to get space for easier to build and stronger 4 row axle
- Secondary is a lot shallower to be more gentle (only without lower Simple-Sep)
- two rocker shaker to create a more cost-effective alternative to lower simple-Sep
- Different tire option which is better for flotation

# Side view



- Conveyor only one weldment,  
- platform simplified no lower platform

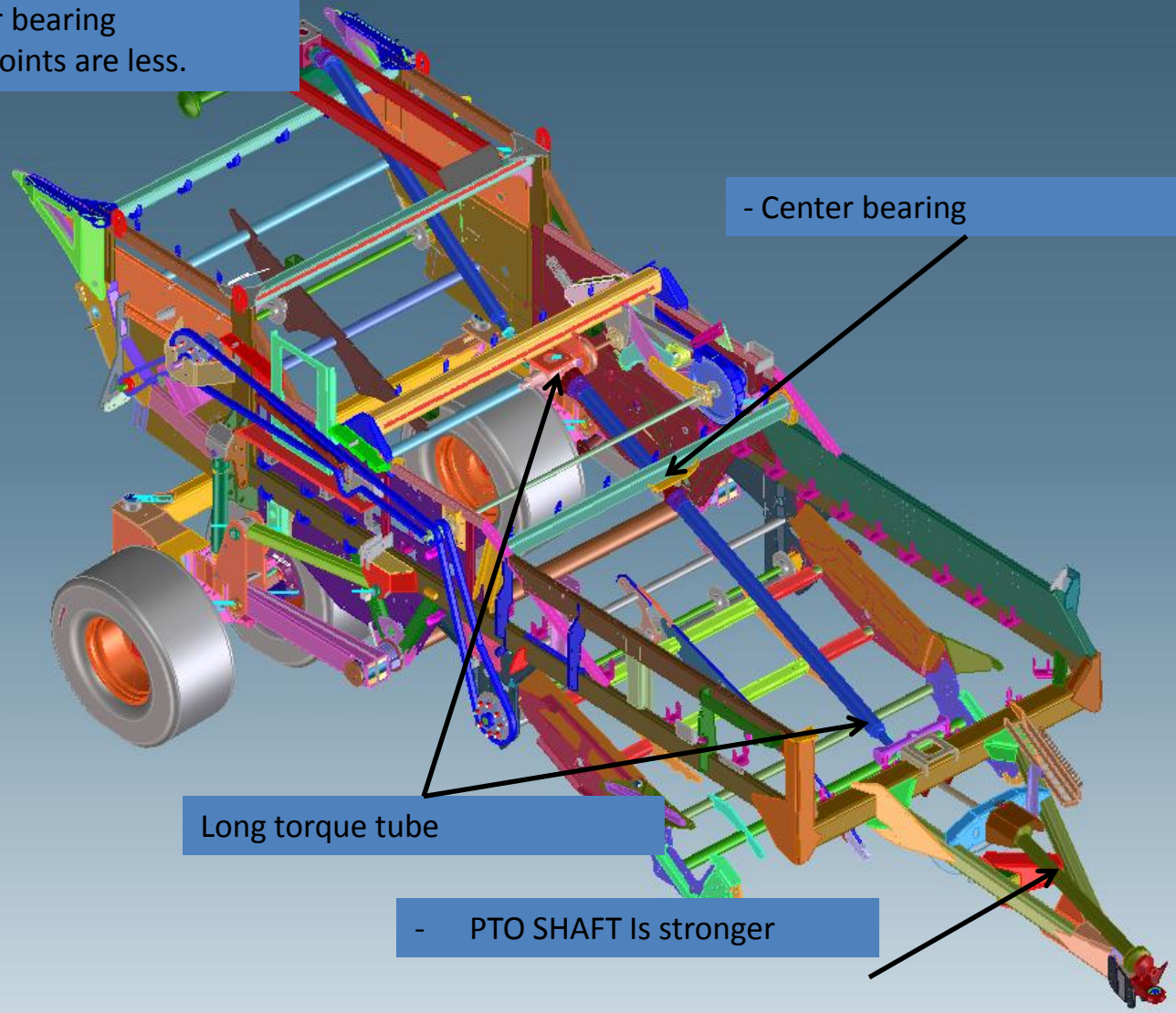
- Rock box smaller but can fill complete





# Stronger drive

Torque tube is stronger,  
has a center bearing  
Angle on u joints are less.

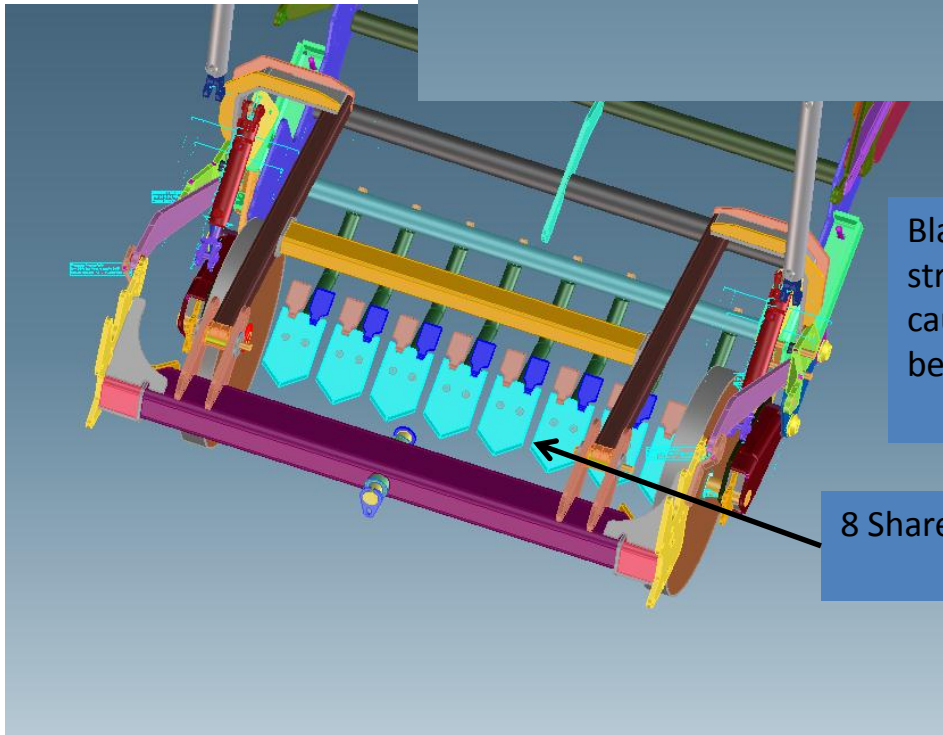
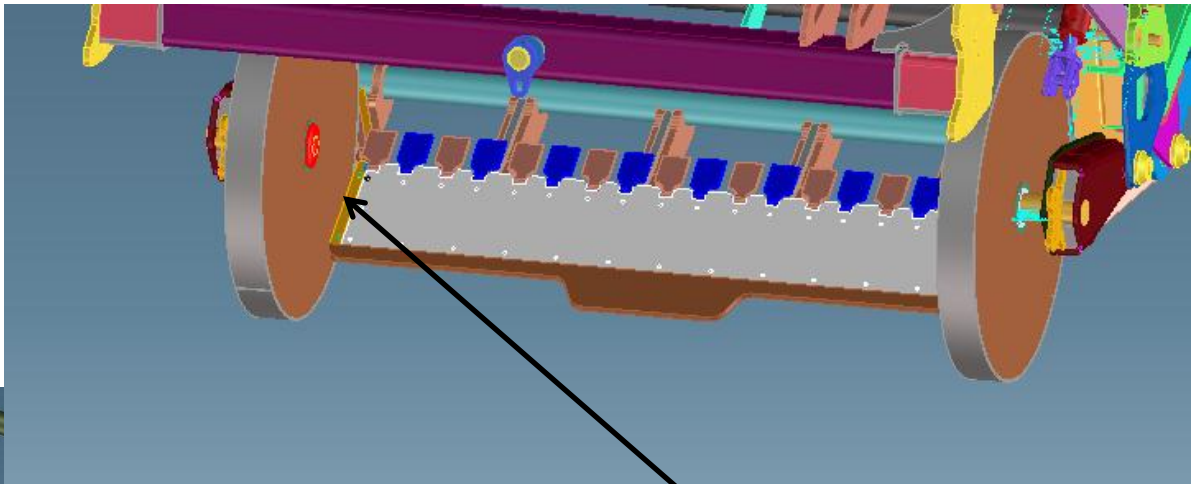


- Center bearing

Long torque tube

- PTO SHAFT is stronger

# INTAKE



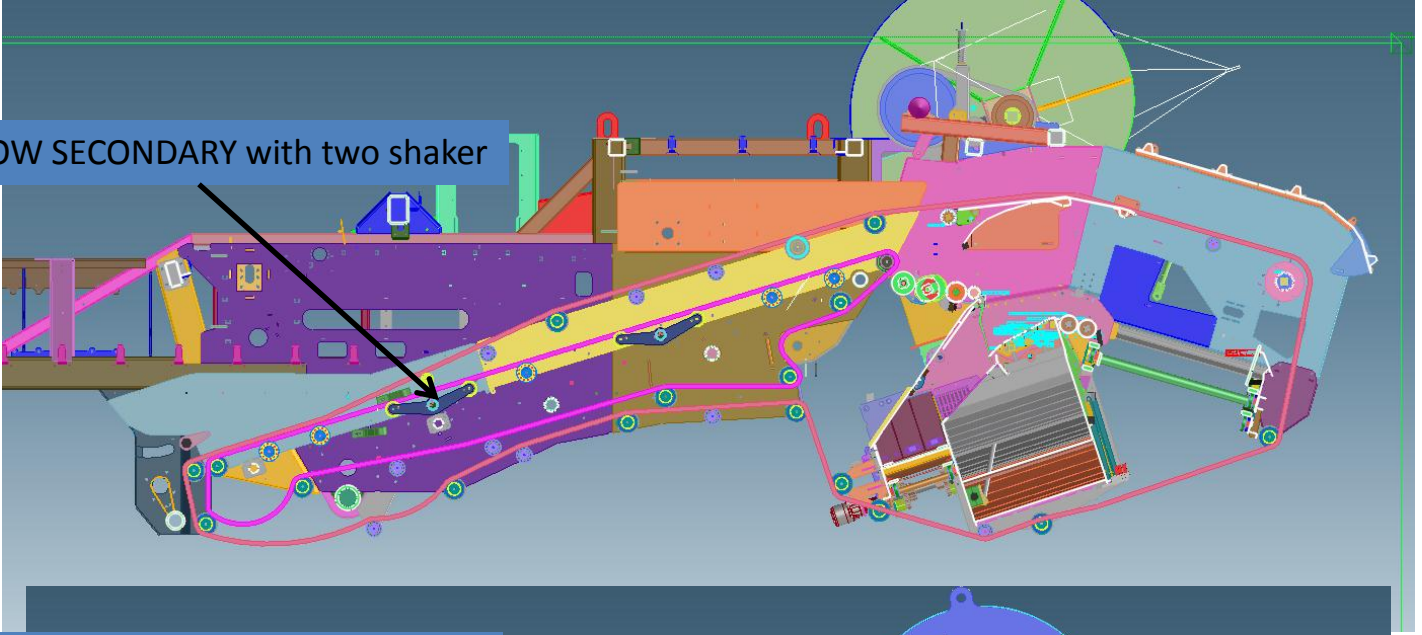
Blade has straight edge. Old blade straight had tapered edge which caused rocks to get jammed in between blade and T-float drum

8 Share blade is an new option

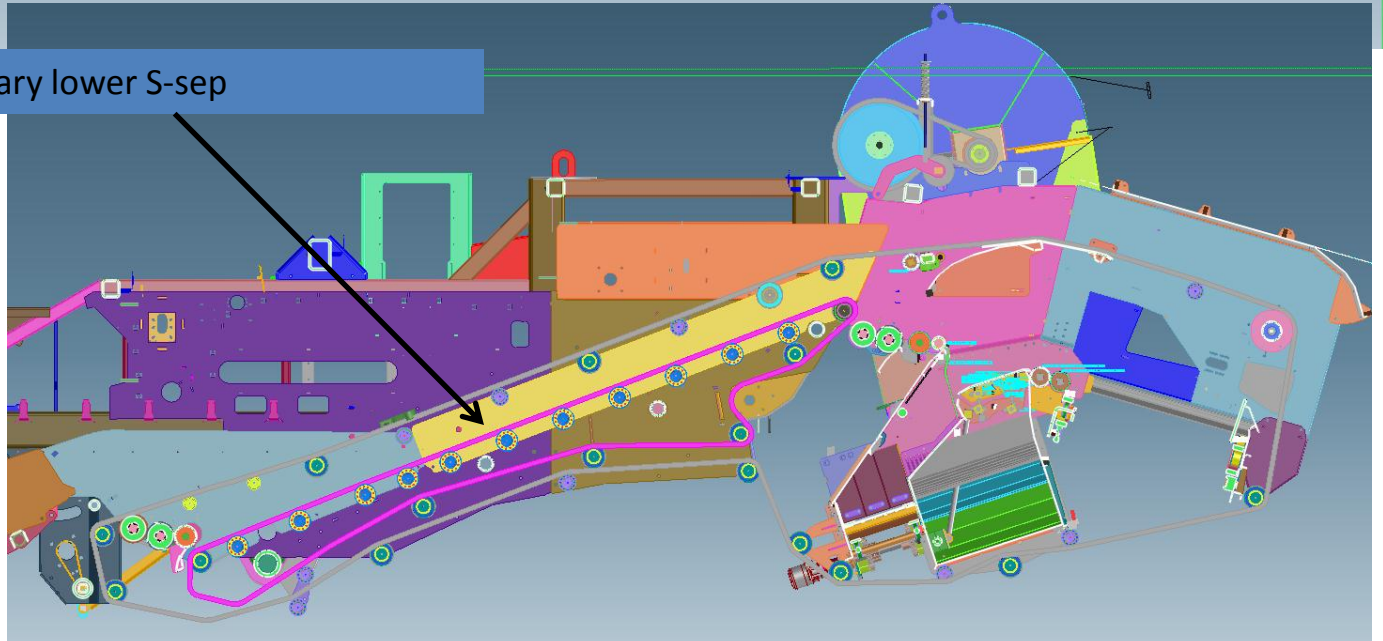


# SECONDARY SHAKER/SIMPLE SEP

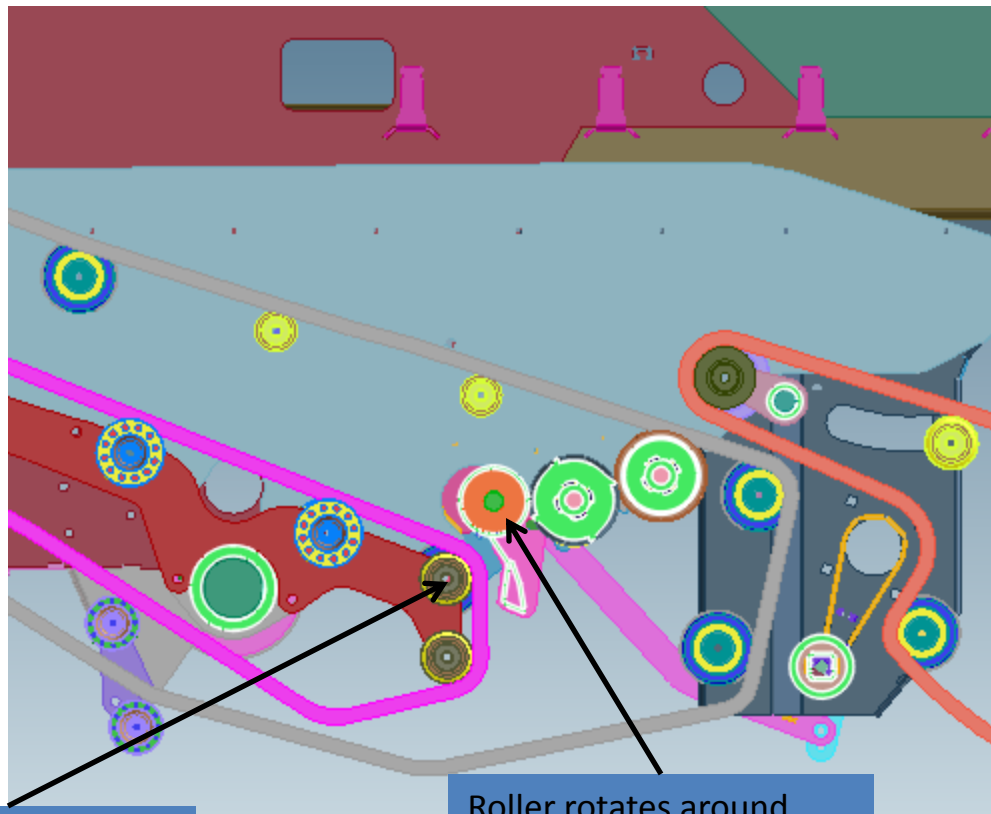
SHALLOW SECONDARY with two shaker



Secondary lower S-sep



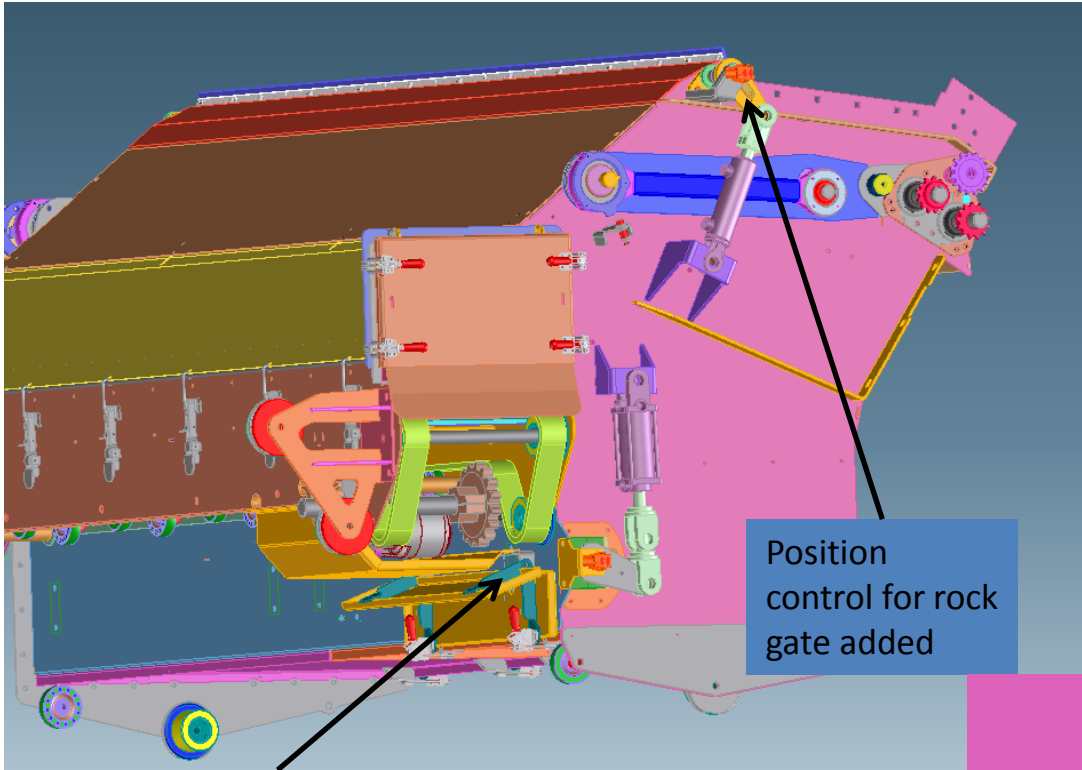
# Lower simple Sep



Nose roller is attached to mainframe instead to the steel roller

Roller rotates around nose roller of secondary over secondary to open gap

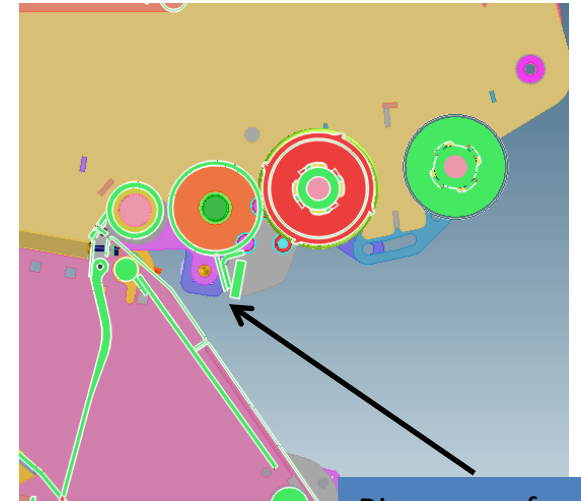
# Airsep



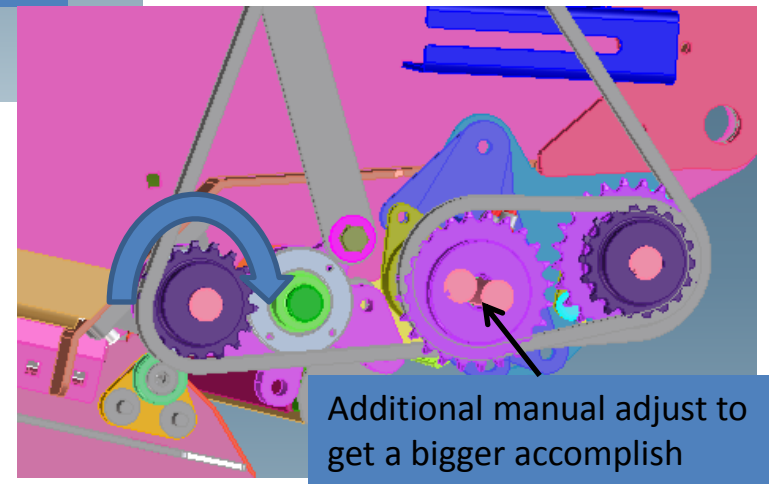
Additional door for better cleanout added

Position control for rock gate added

Steel roller simple pivots around small steel roller to keep space between steel rollers constant

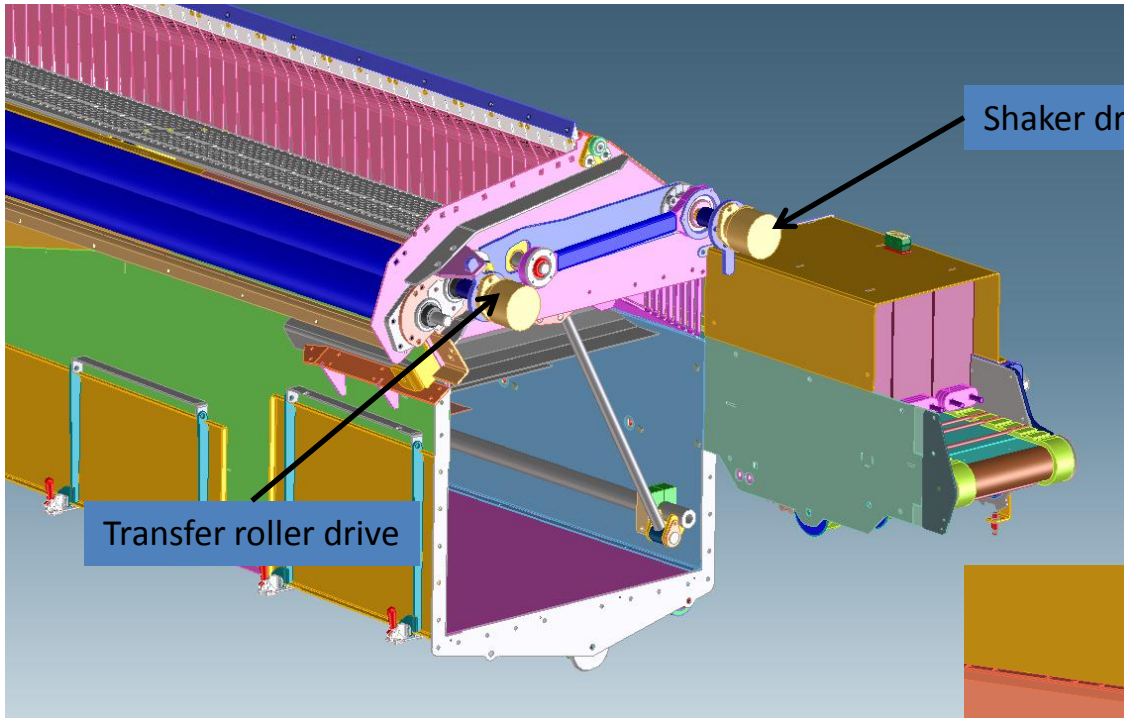


Bigger gap for scraper



Additional manual adjust to get a bigger accomplish bigger gap

# Airsep

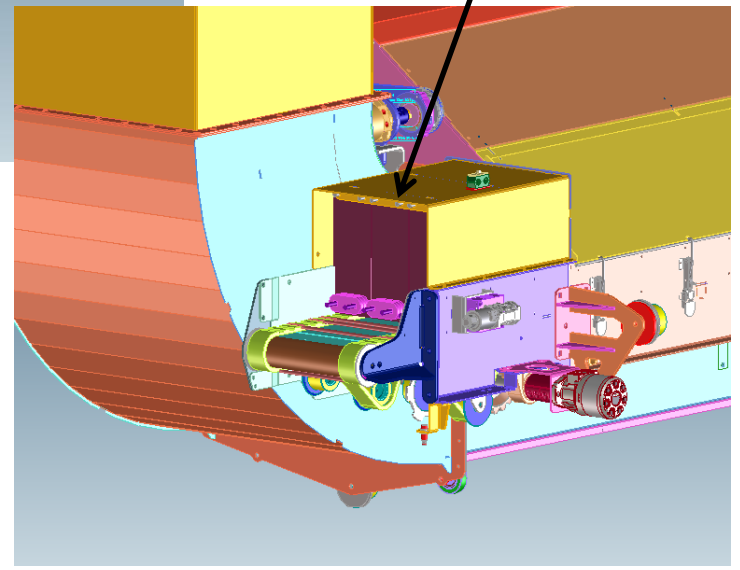


Shaker drive

Transfer roller drive

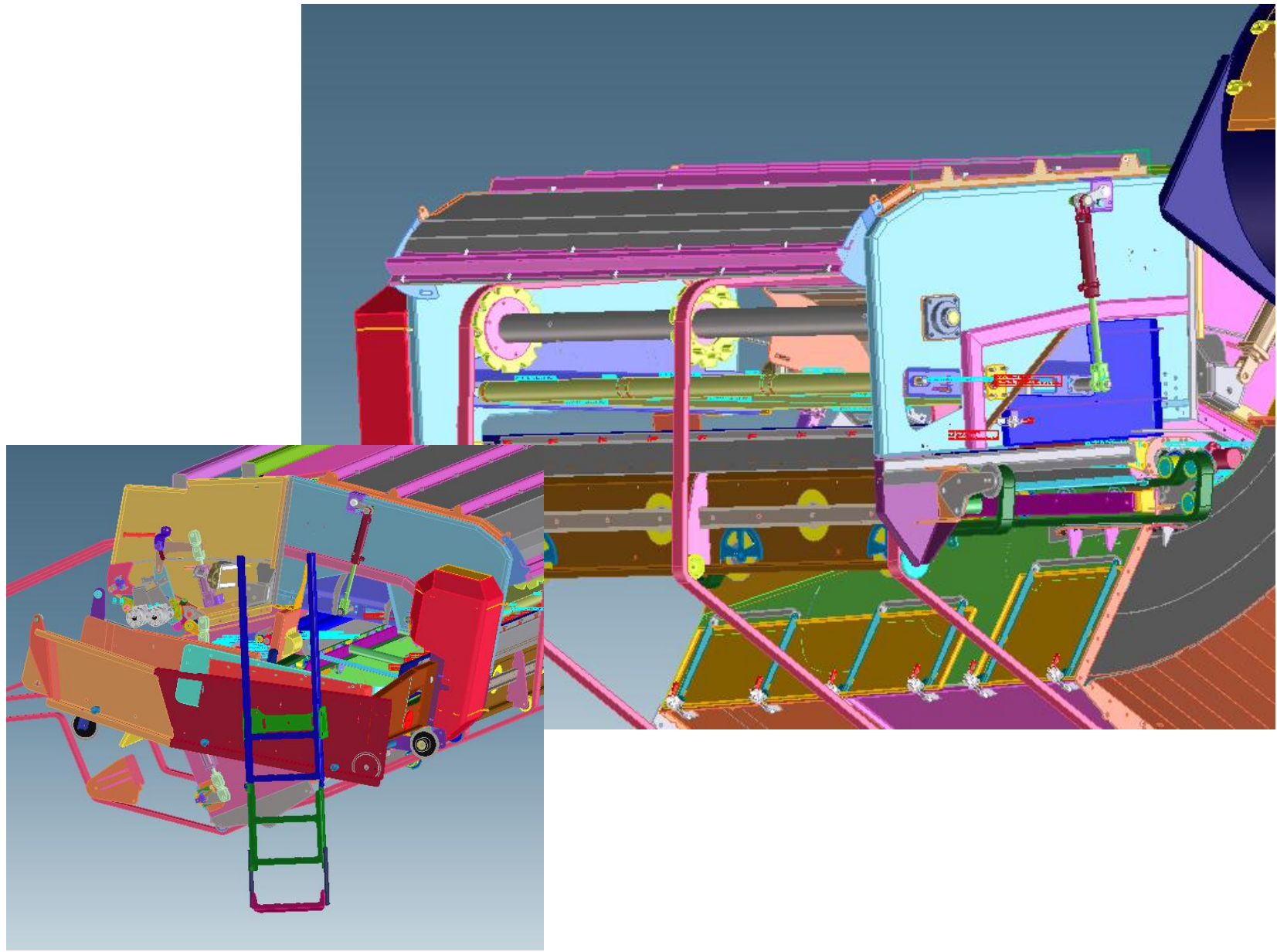
Shaker drive and transfer roller are driven independent to allow the rollers running slow at all times

Rubber exit with no hinges  
Conveyor 2" wider  
Auto reverse when jammed`





# AIRSEP





# Conveyor schematics

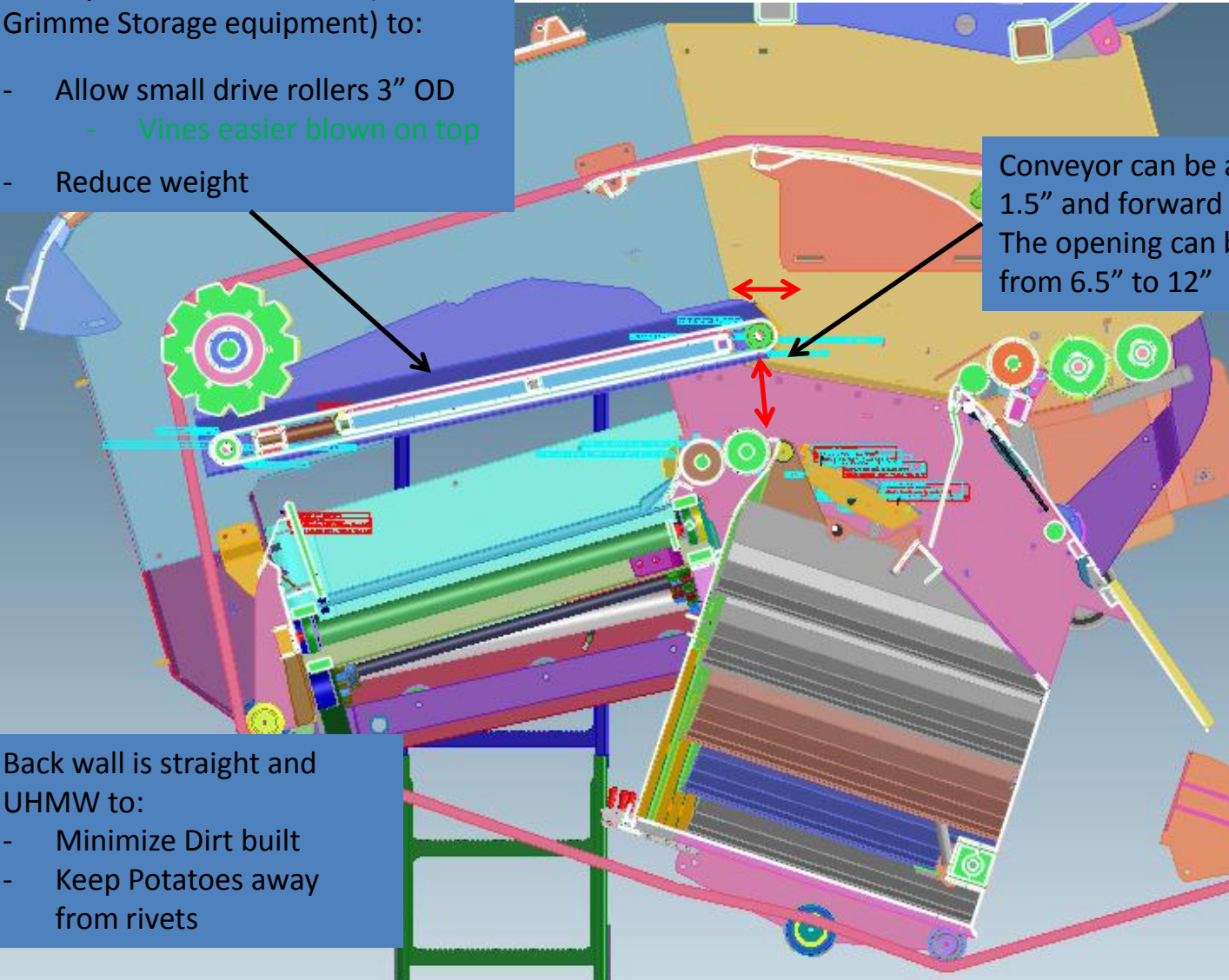
Conveyor belt is out of PVC (like Grimme Storage equipment) to:

- Allow small drive rollers 3" OD
  - Vines easier blown on top
- Reduce weight

Conveyor can be adjust back 1.5" and forward 1.5"  
The opening can be adjusted from 6.5" to 12"

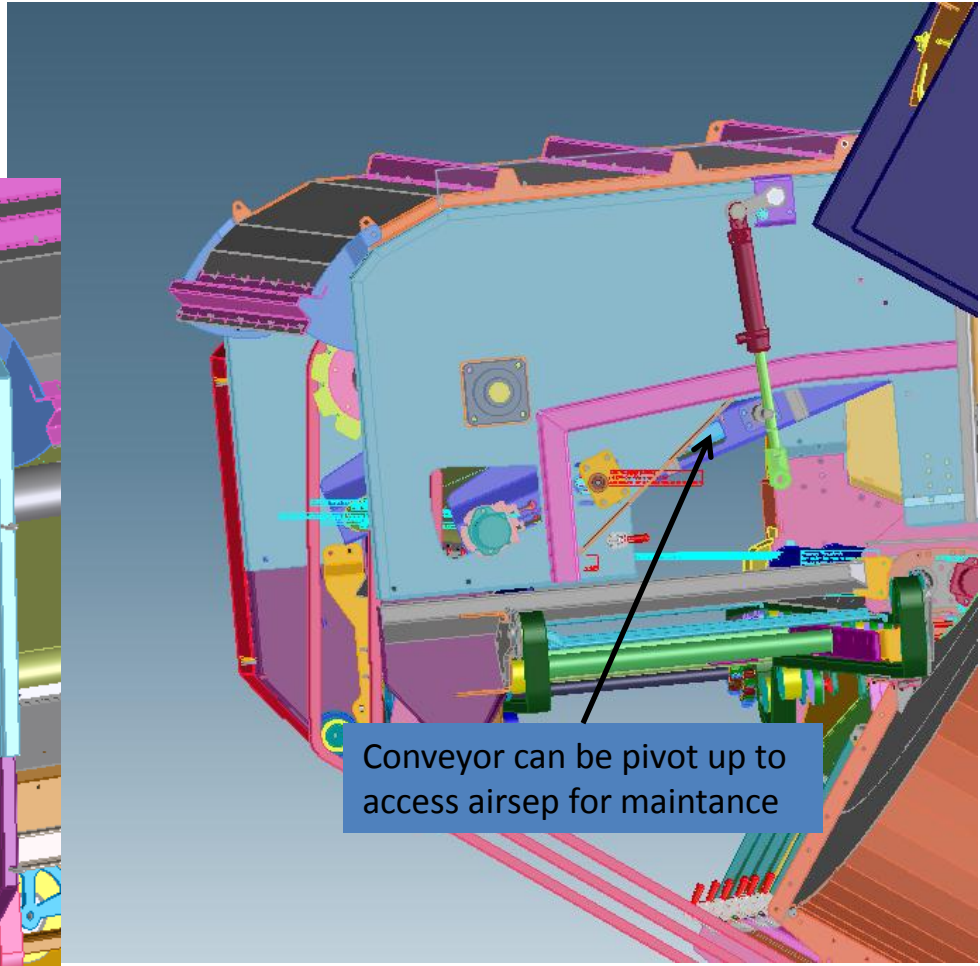
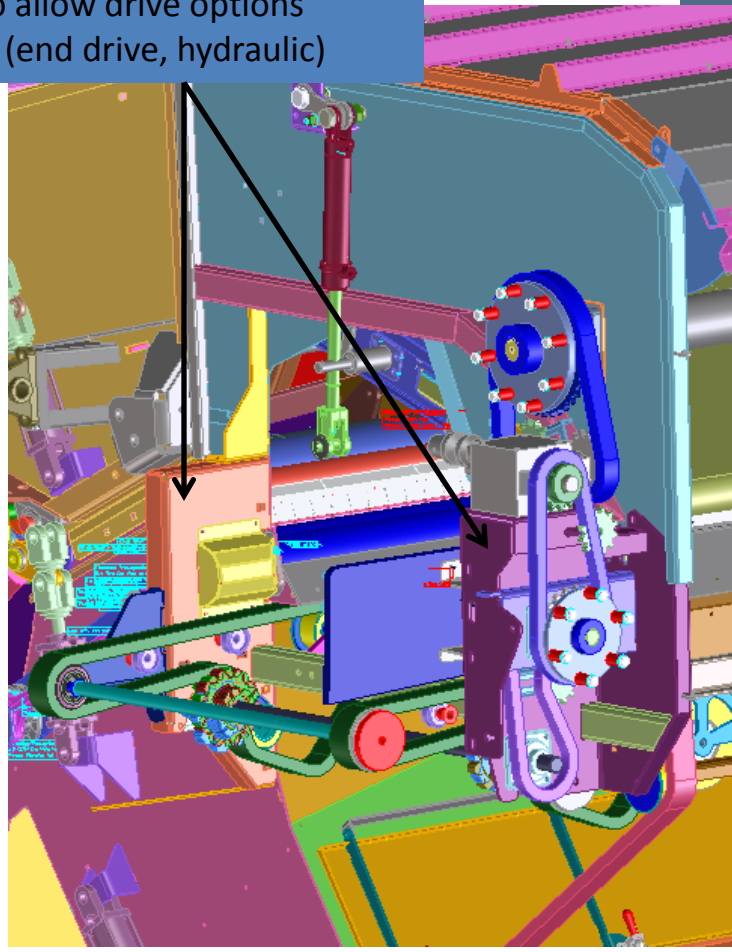
Back wall is straight and UHMW to:

- Minimize Dirt built
- Keep Potatoes away from rivets



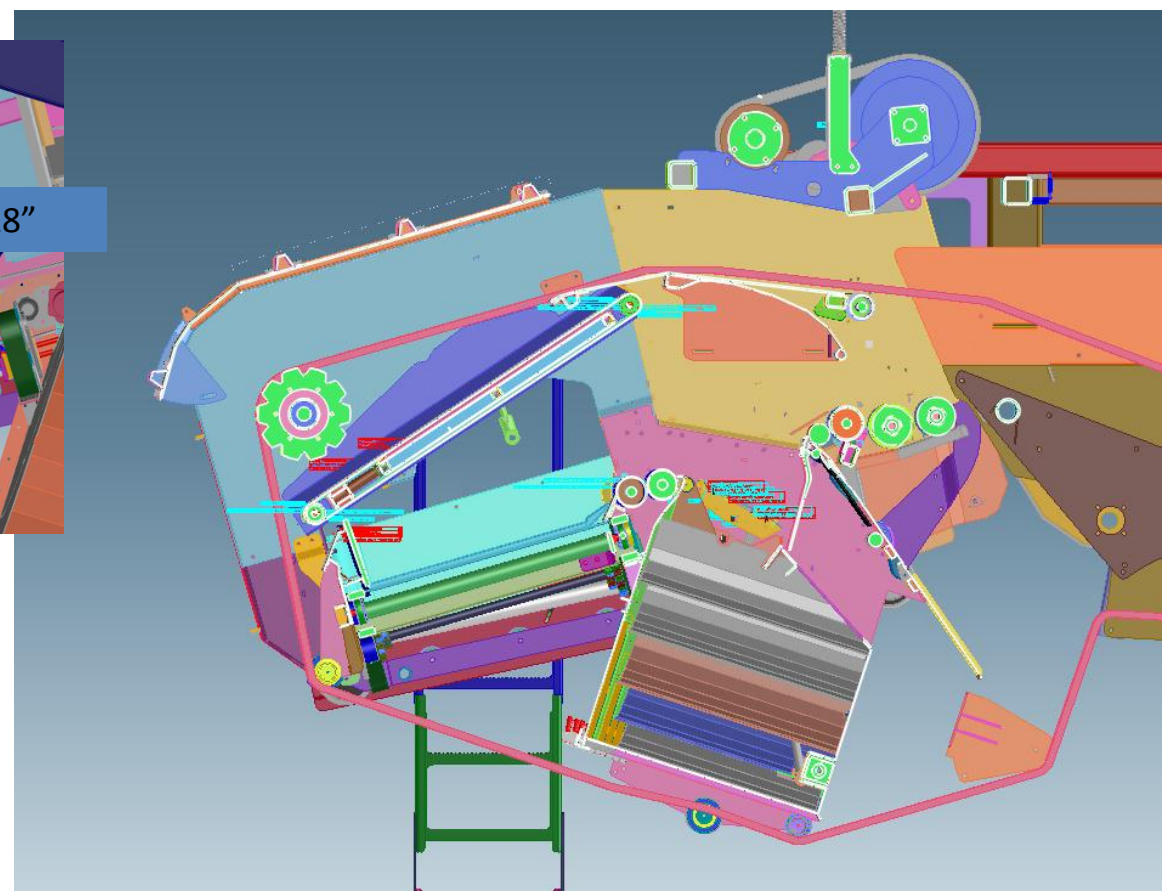
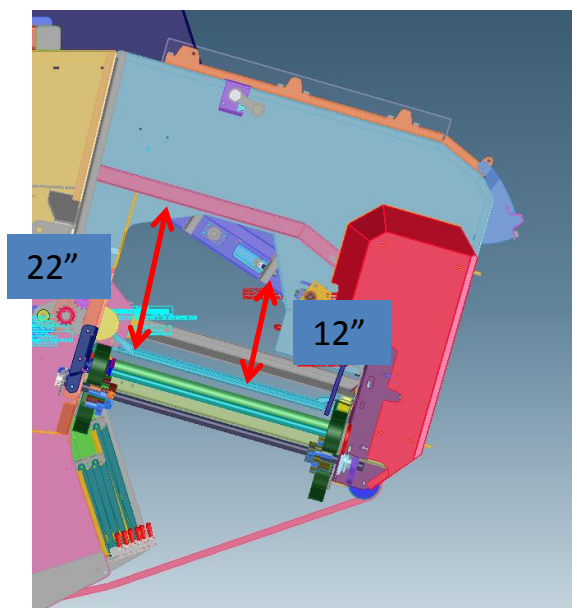
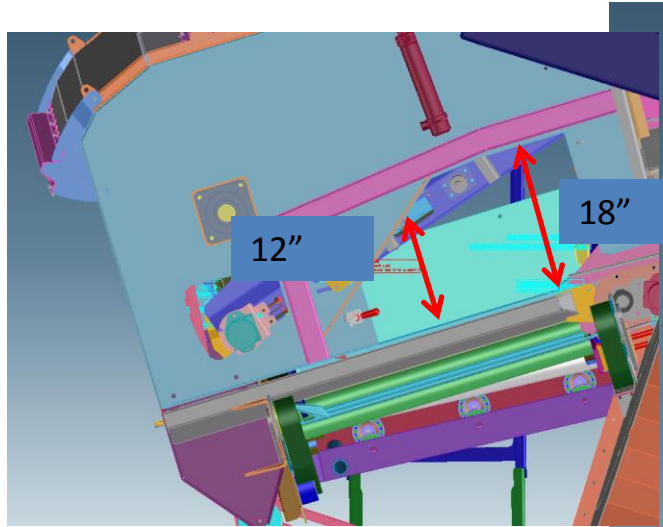
# Features

Tip out is bolt on:  
-to allow container shipment  
-to allow drive options  
(end drive, hydraulic)



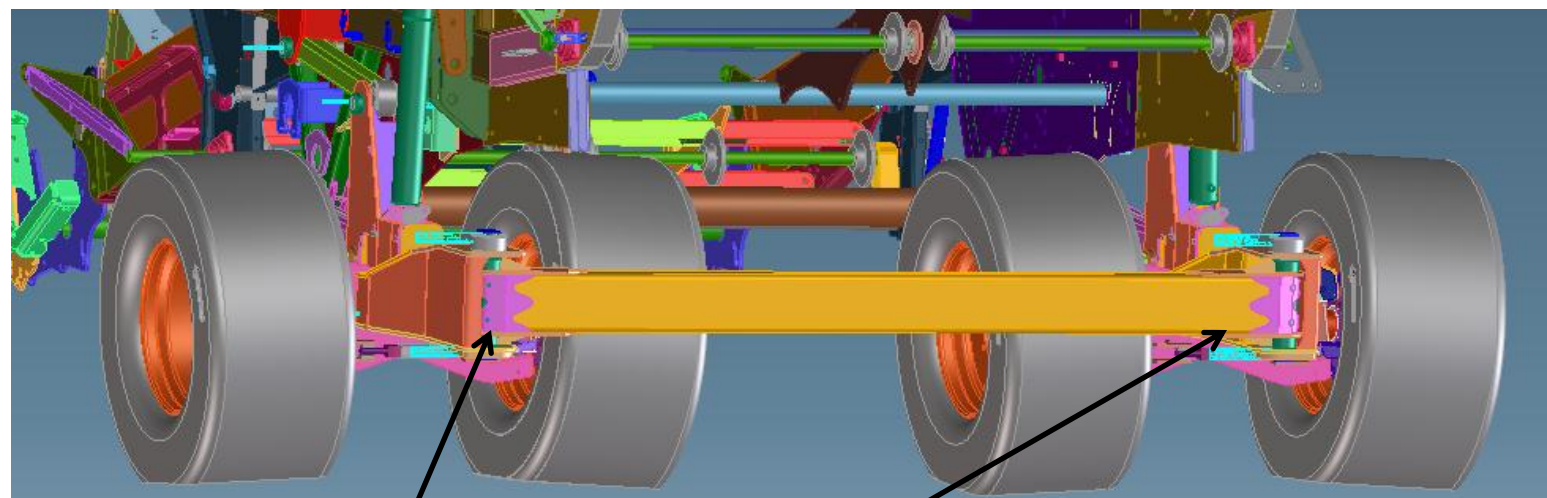
Conveyor can be pivot up to access airsep for maintance

# Accessibility





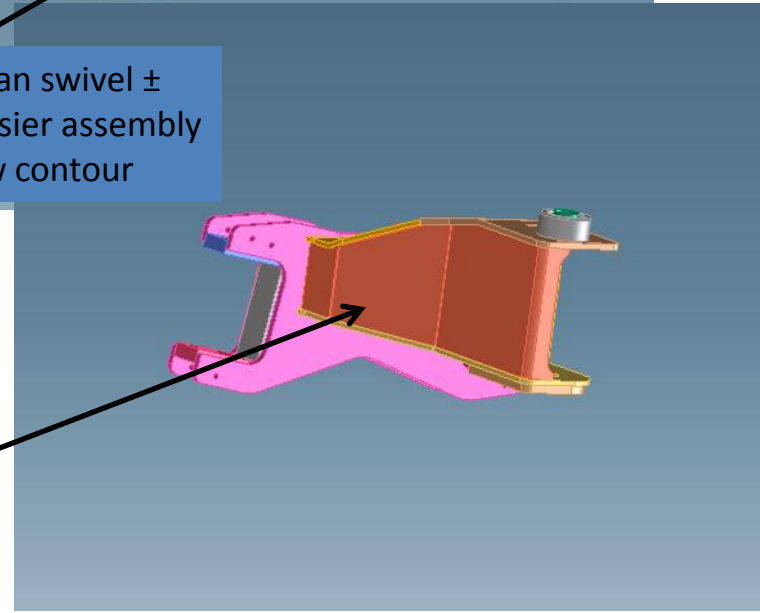
# AXLE



Pin is longer to reduce stress in goose neck (broke last season)

Walking beams can swivel  $\pm 1.5$  degree for easier assembly and to follow row contour

Goose neck is flat ion the bottom for more strength and easier welding.



# Front view

