



7040 - Terratron

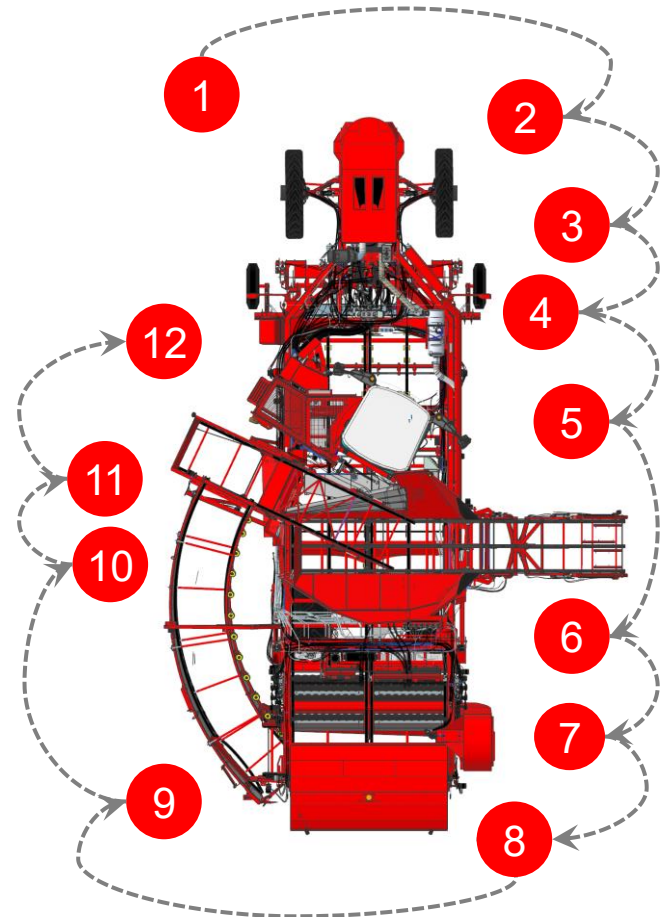
Self-Propelled Potato Harvester

Training | 2026

SPUDNIK

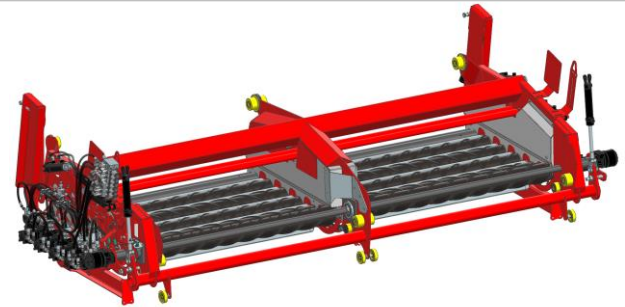
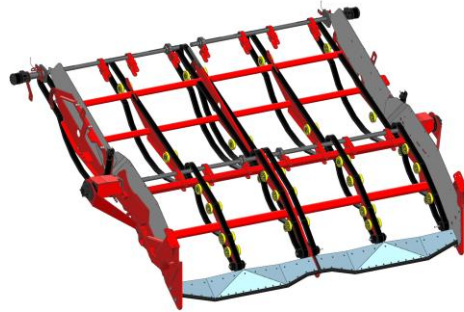
Explanation of the walk around

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- 2 Engine | Pump Pad
- 3 Front Axles
- 4 Blade | Coulters | Depth Wheels
- 5 Intake | Primary | Secondary | Vine
- 6 Multi-Sep Table
- 7 Rear Axle
- 8 Blower
- 9 Side Elevator | Rear Cross
- 10 Holding Tank
- 11 Boom
- 12 Cab | Controls



Position 1

Concept



Your benefits:

Recommended position:

Self-propelled potato harvester with a high capacity 4 row intake

Engine: John Deere 13.6L. Coupled to a fully Hydraulic drive system

Variable speed chains. All chains can be sped up or down independent of other chains from the cab

1

Ground Speed Mode - operates all chains dependent to ground speed.

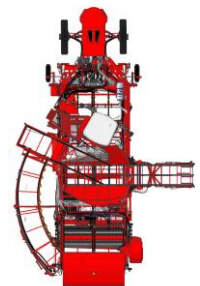
Full-width Multi-Sep table for simple to extreme cleaning

Windrower or direct dig. Capable to handle 4-20 rows at a time up to 6 mph

Front and rear axle steering. Making the machine very nimble and maneuverable

Machine is intuitive to use making it easy to operate

1



Position 2

Engine | Pump Pad



Your benefits:

Recommended position:

Engine in the front for weight balance of the machine

John Deere 13.6L, 683HP.

2

Serviceable – by any John Deere dealer.

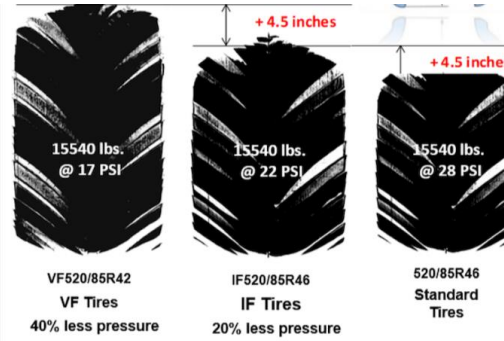
Serviceable from the ground

Durst 4 stage pump pad. 12 hydraulic pumps



Position 3

Front Axels



Your benefits:

Recommended position:

VF 380/105 R50, 15.7" wide 80.7" tall, 17,100lbs load rating per tire

Single A-arm design keeps the tire perpendicular to the ground.

Hydrostatic drive motors, Steering angle 60°

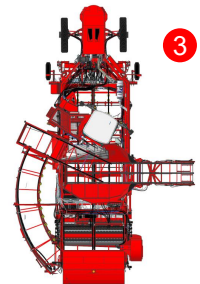
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Weight from the engine ensures the tires have enough pressure to steer

Capable of lifting 4" and installing stands underneath. For easy tire removal

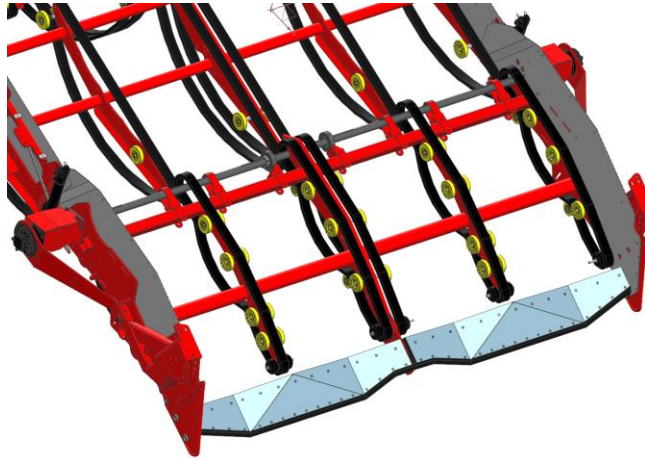
Capable of 34" or 36" row spacing by switching front tires, because of the rim offset.

The front axle cylinders trades oil to allow leveling and weight balancing



Position 4

Blade | Coulters | Depth wheels



Your benefits:

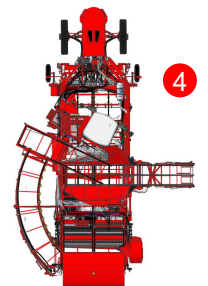
Recommended position:

Blades options are the same as the standard harvester - 6740.

4

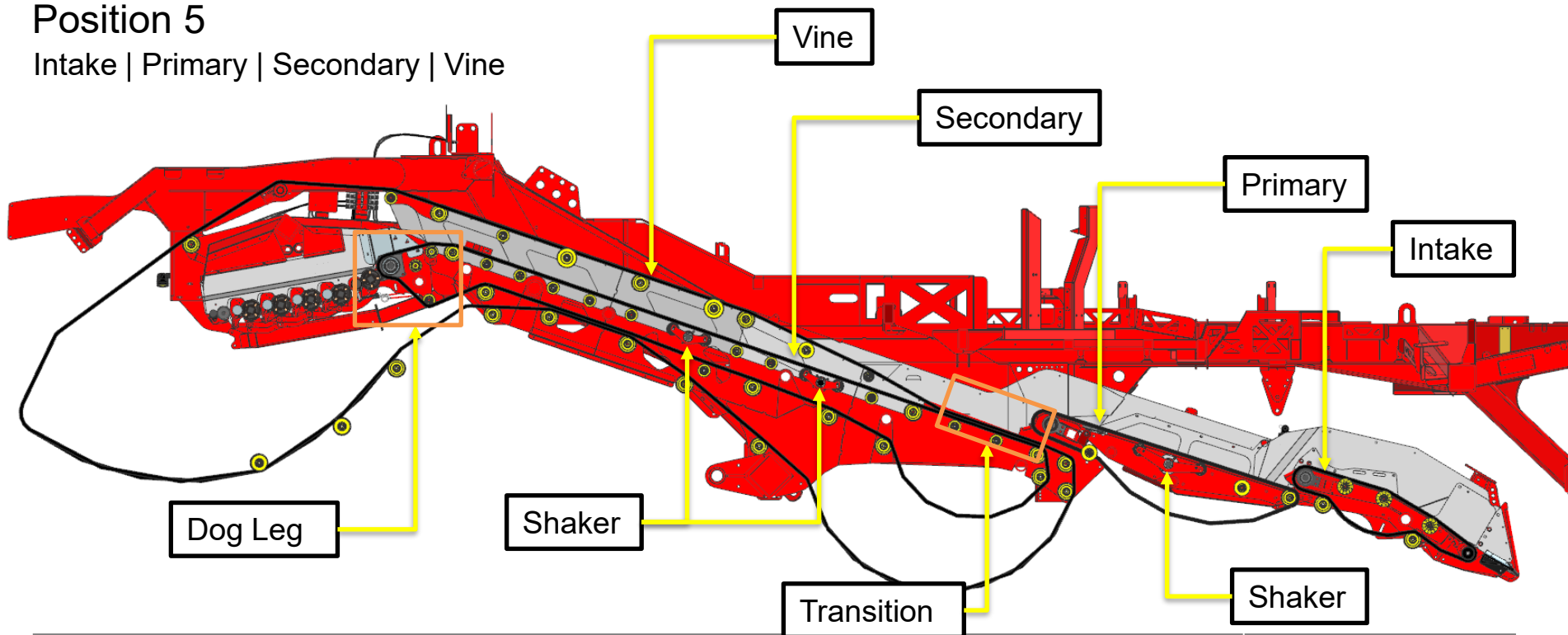
Coulters are telescoping. The same as the standard harvester - 6740

Outside gauge wheels provide a consistent digging depth that follows the terrain, which eliminates machine rocking



Position 5

Intake | Primary | Secondary | Vine



Your benefits:

Recommended position:

5

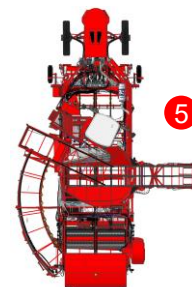
Standard option digger bed is an intake and a primary chain. The additional chain provides a longer digger bed for increased cleaning.

The secondary and vine chain run together for 24" – The vine chain then rises through the potatoes. Decreasing potato roll in the secondaries

Primary shakers

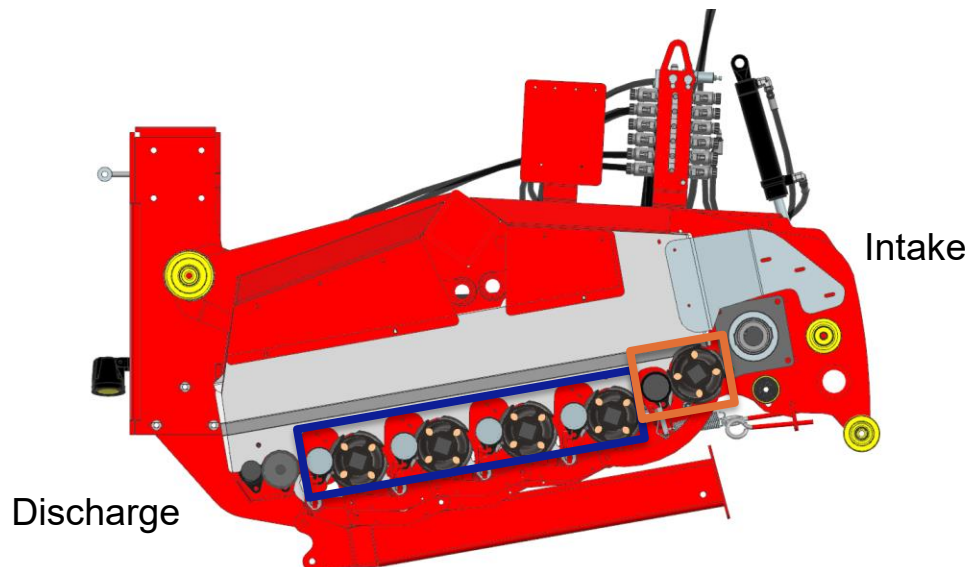
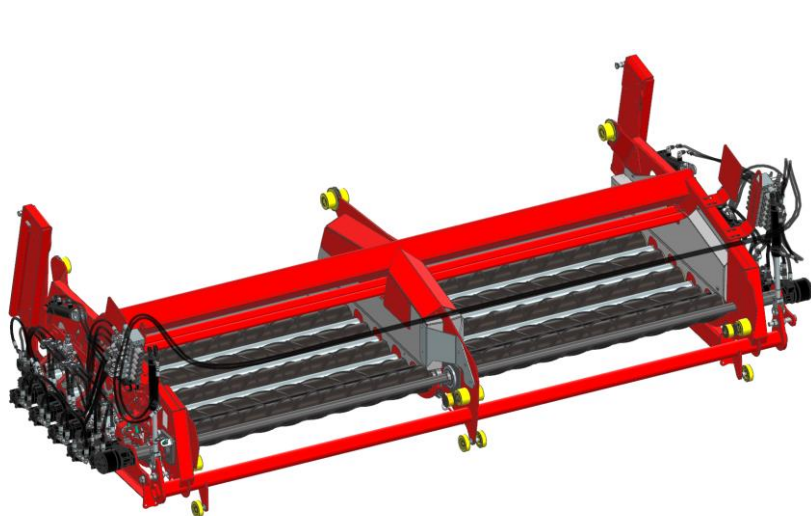
Dual secondary shakers

The secondary dog leg transition provides a material break point and a smooth consistent drop into the multi-sep table



Position 6

Multi-Sep Table



Your benefits:

Recommended position:

- The Multi-Sep Table is 2 x 72" wide tables – eliminates shaft deflection
- 1 vine roller ■ in pinch and 4 clod rollers ■
- 6 Table angle adjustment between 10° - 17°
- Clod roller can be adjusted in/out and up/down
- Clod rollers directions can be changed from pinch to transport
- Machine auto levels to maintain an even product distribution across the table



Position 7

Rear Axle



Your benefits:

Recommended position:

7 VF900/60 R32, 33.7" width 75" tall, 34,570lbs load rating per tire

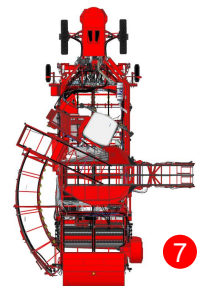
Hydrostatic drive motors

30° steering

Normal steering or crab steering is selectable

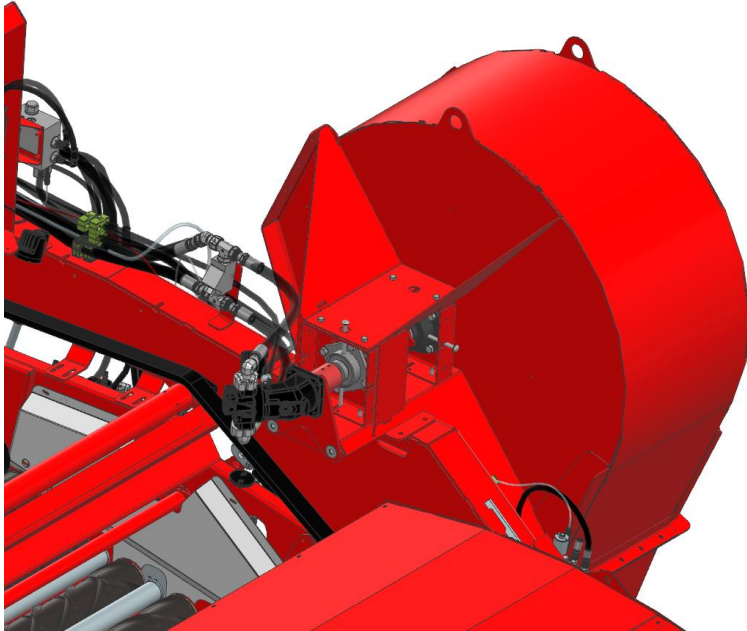
Machine can lift 12" and stands can be installed under machine for tire removal

The machine leveling happens through the rear axle lift



Position 8

Blower



Your benefits:

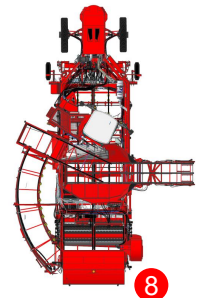
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Hydraulically driven

Blower drive is independent of chain drives. Allowing an operator to adjust chain speed without affecting blower speed.

Max speed is 2200 rpm's

Recommended position:



Position 9

Side Elevator



Improve the bruise!

Your benefits:

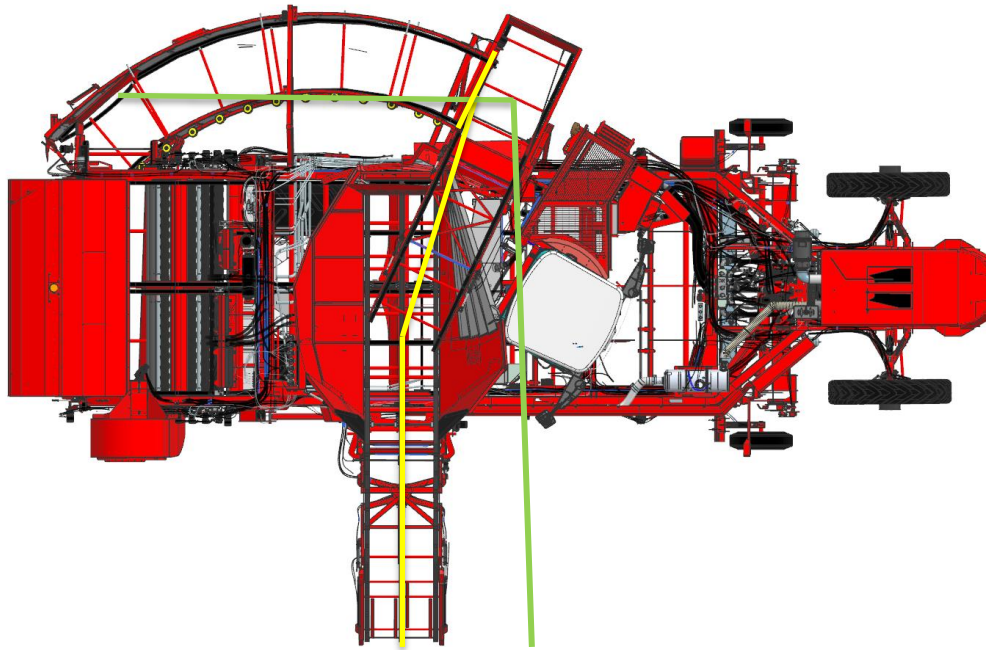
Transition on/off the curved side elevator are improved

Rear cross is a 48" wide chain. Set at an 13° roll back. Angle of rear cross can be adjusted with turnbuckles



Position 9

Side Elevator



Your benefits:

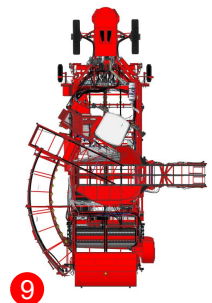
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Design aspect: Creates the possibility of seeing the digger blade and intake chain from cab

Inside web is 36mm and outside is 42mm, creating a natural curve

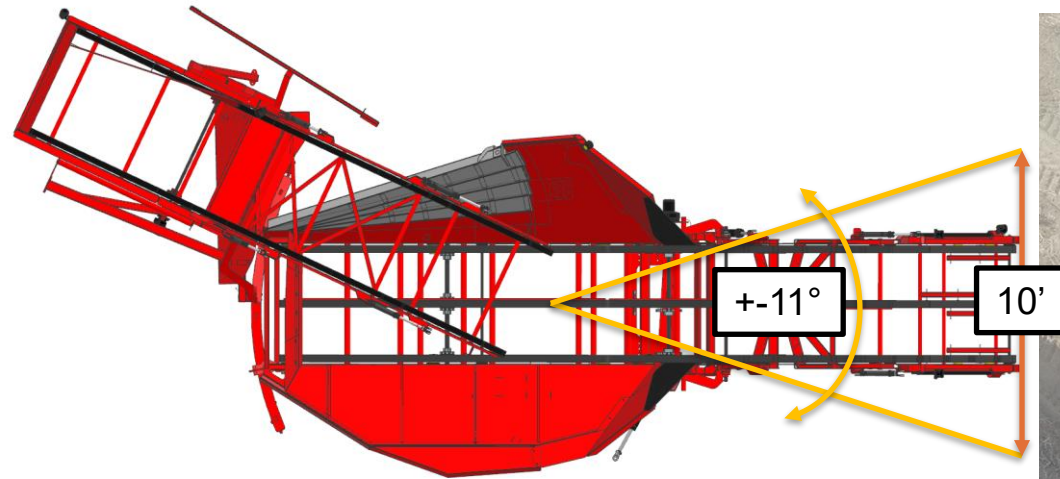
The first machine with a curved elevator has 3 seasons on it. Without any failures or signs of wear

Recommended position:



Position 10

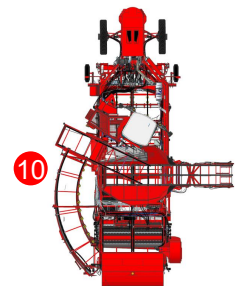
Holding Tank



Your benefits:

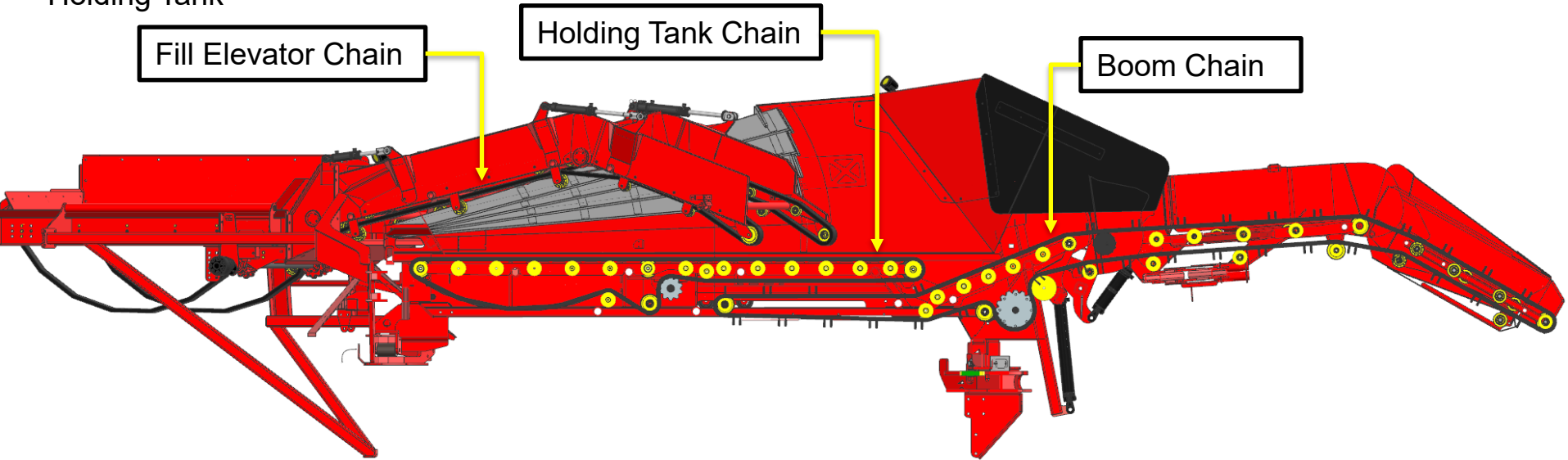
Recommended position:

- 150 sack capacity
- 10' of swing
- 10 Holding tank chain and boom chain are two separate chains
- Holding tank can meter the potato pile in to the boom, minimize spilling out of the boom
- 48" wide belted chain

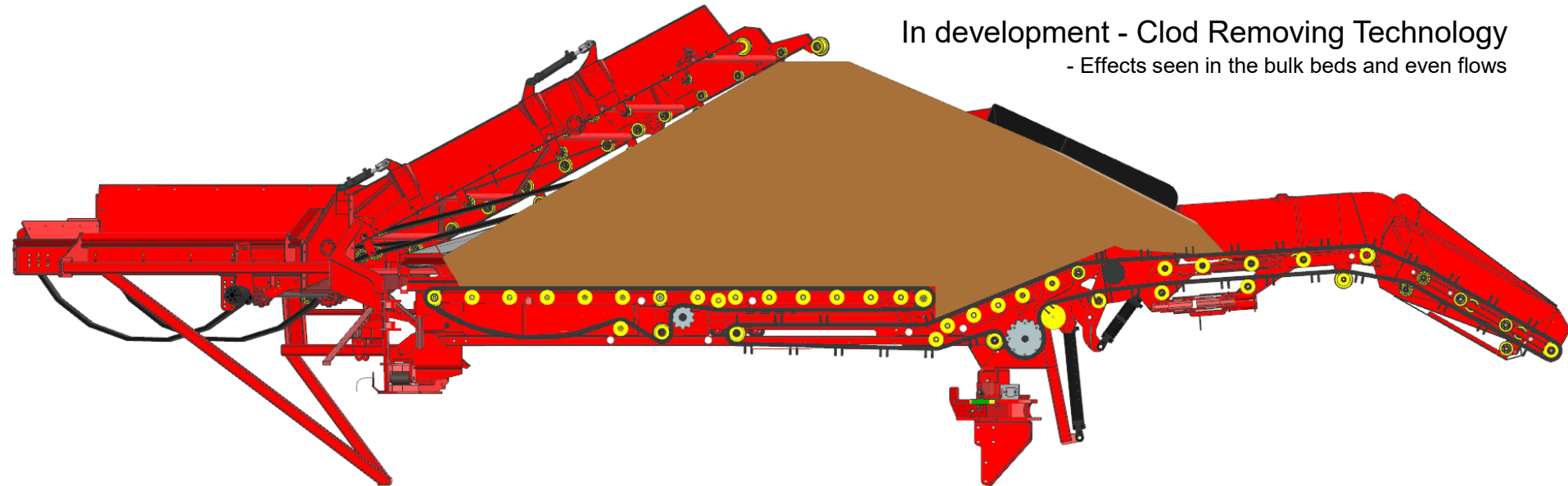


Position 10

Holding Tank

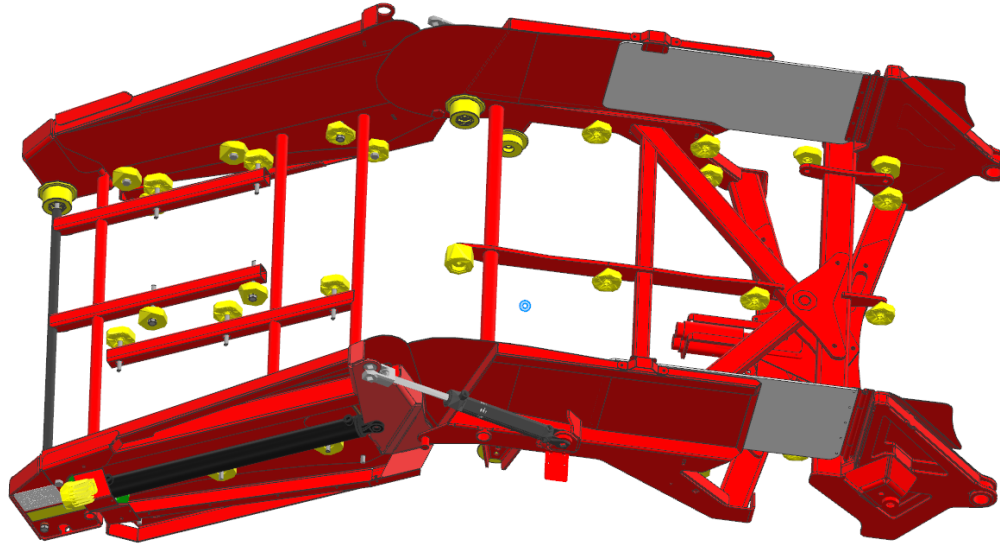


In development - Clod Removing Technology
- Effects seen in the bulk beds and even flows



Position 11

Boom



Your benefits:

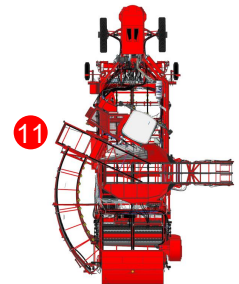
11

30" of telescoping

Break away inner boom has +/- 40" of travel

48" wide belted chain

Recommended position:



Position 12

Cab



Your benefits:

Recommended position:

Claas X11 Cab

The drive controls - Claas Z-Gate joystick

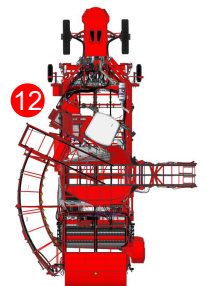
12

The harvesting controls – Spudnik joystick

Cab rotation +30°cw – Improves the view to the boom and truck driver

Hydac Vision 312+ screen – Harvester control monitor

Hydac eVision 7 – Engine monitor display



Position 12

Cab

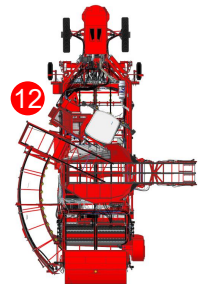


Your benefits:

Harvester control monitor

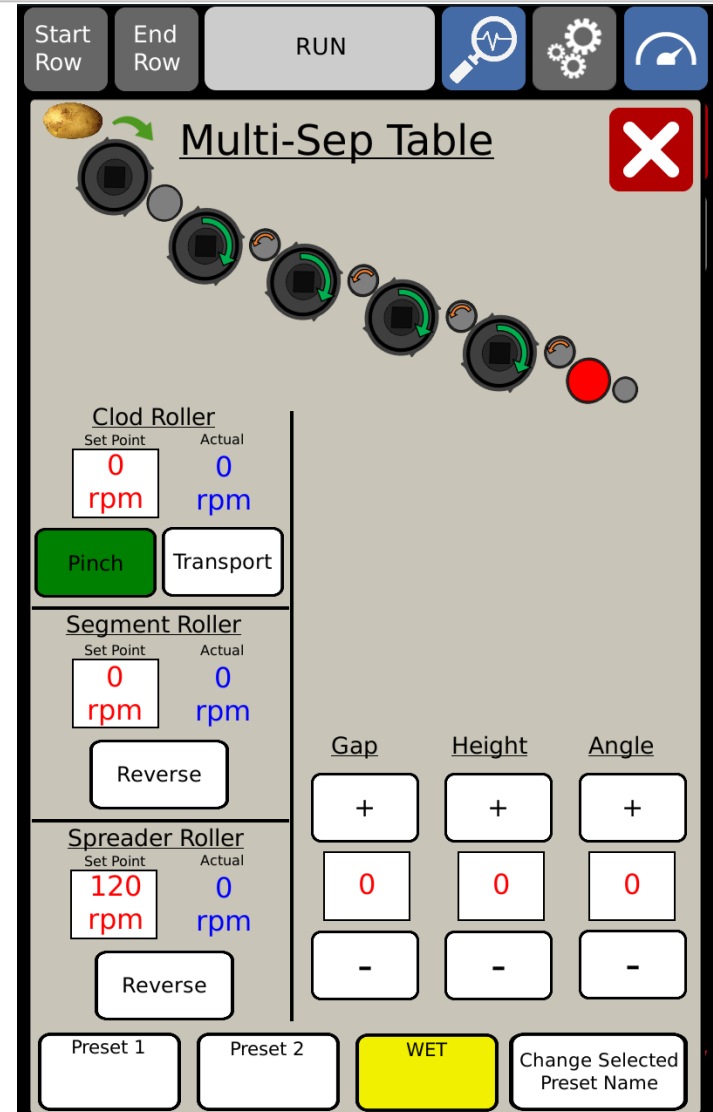
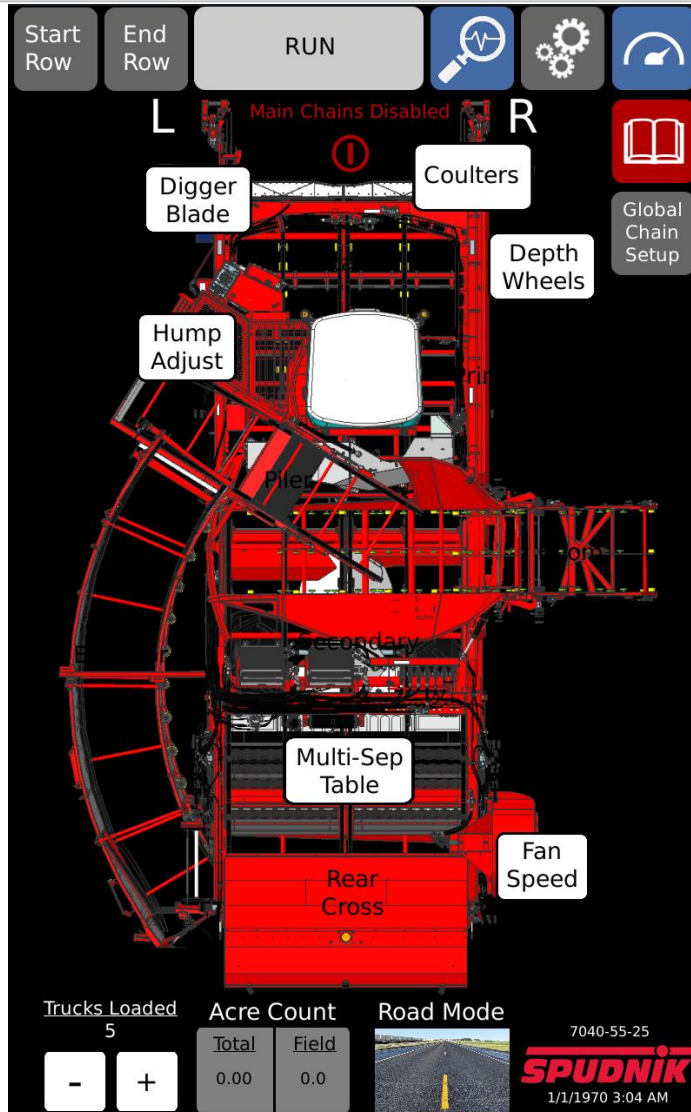
Engine display monitor

Recommended position:



Position 12

Controls



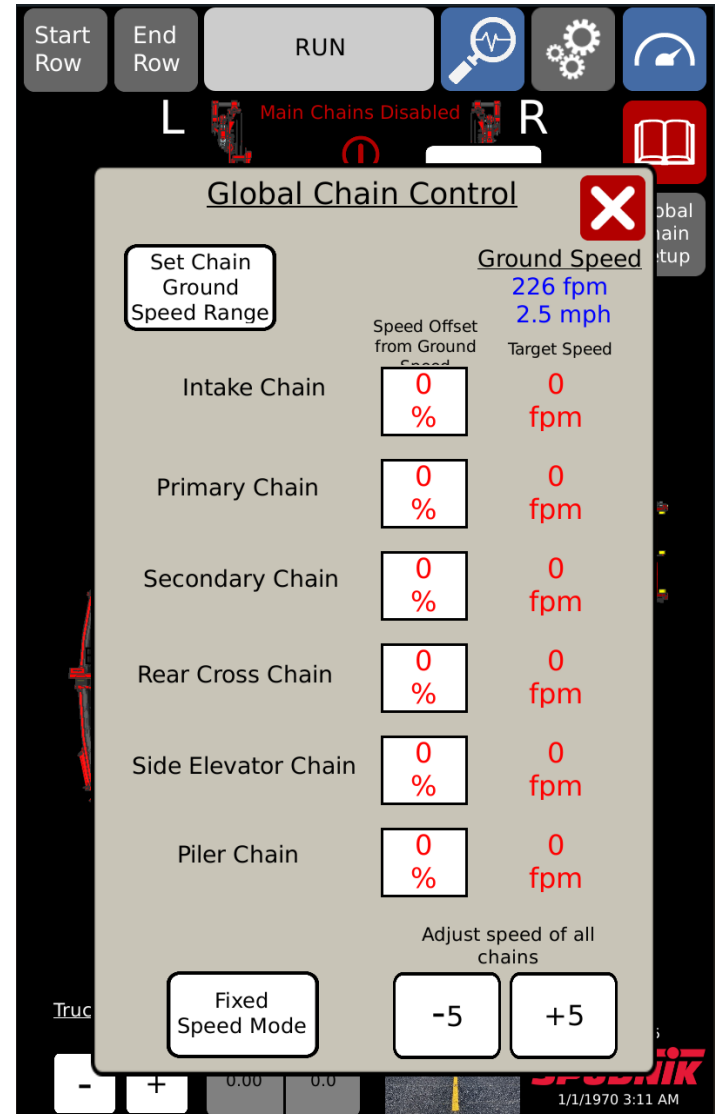
Position 12

Controls

Your benefits:

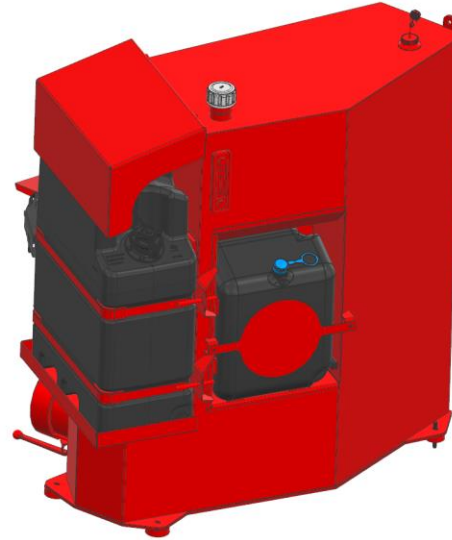
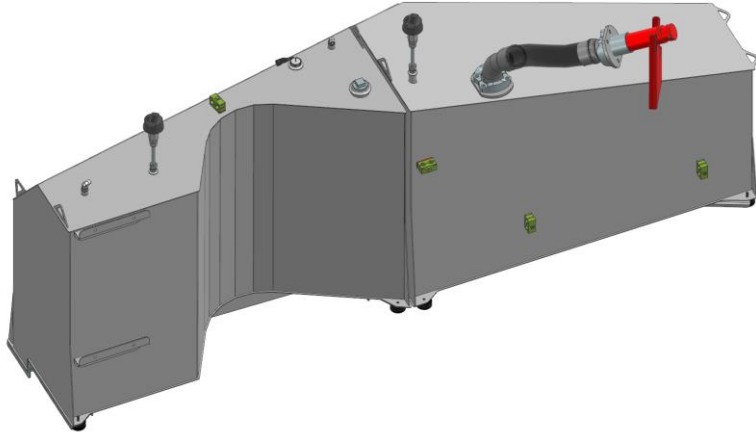
Fixed Speed Mode – runs all chain at a constant speed selected by the operator

Ground Speed Mode - operates all chains dependent to ground speed. As the machine speeds up/down the chain automatically increase/decrease



View 7040 Terratron

Machine Specs



Machine Specs

Fuel capacity: 400 gallons ~15~ gallons/hr.

Hydraulic tank capacity: 80 gallons

DEF tank capacity: 7 gallons

Length: 53'

Width: 24.5'

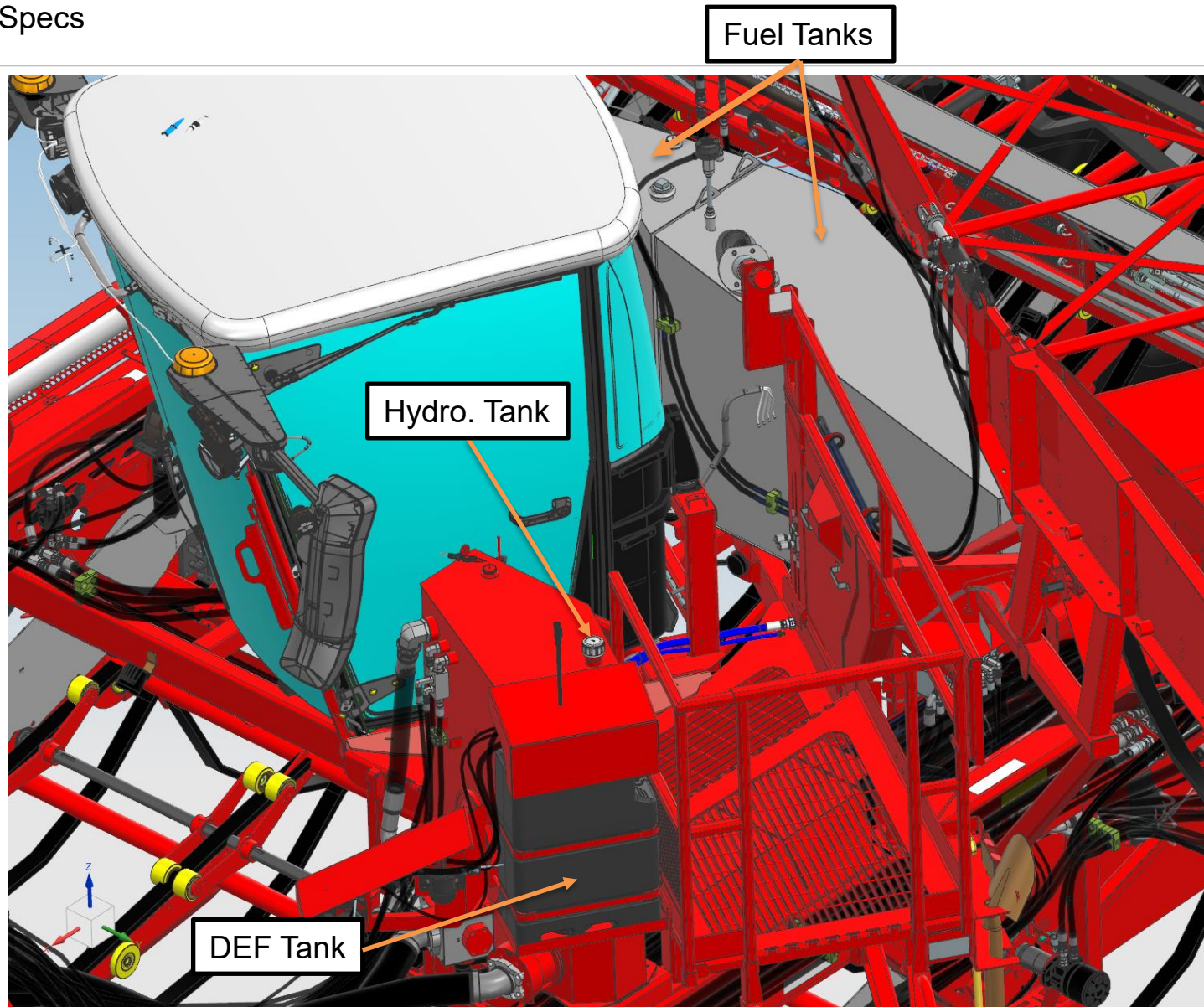
Height: 13.5'

Inner turning radius: 36'

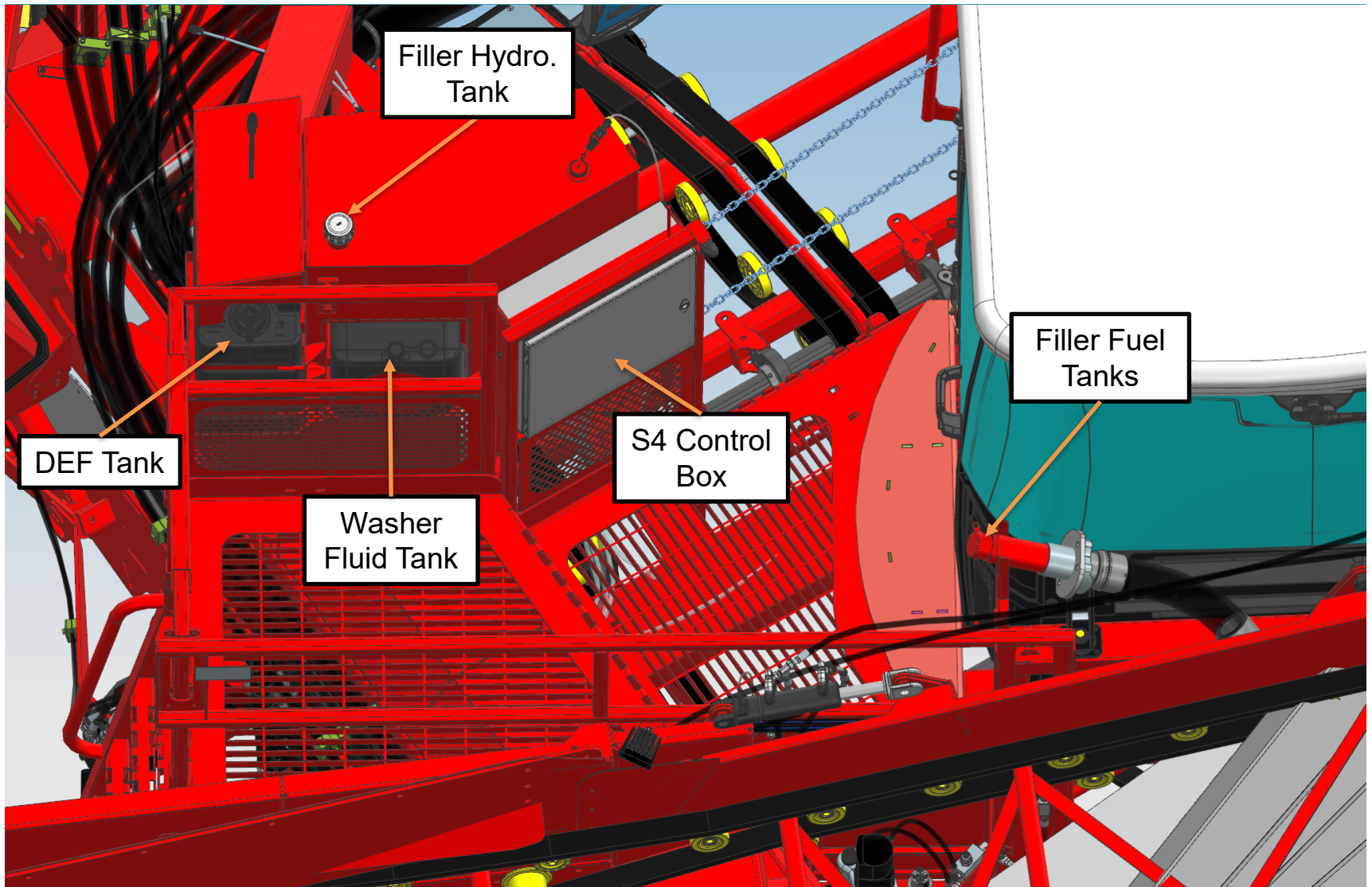
Weight: 90,000lbs



View 7040 Terratron Machine Specs

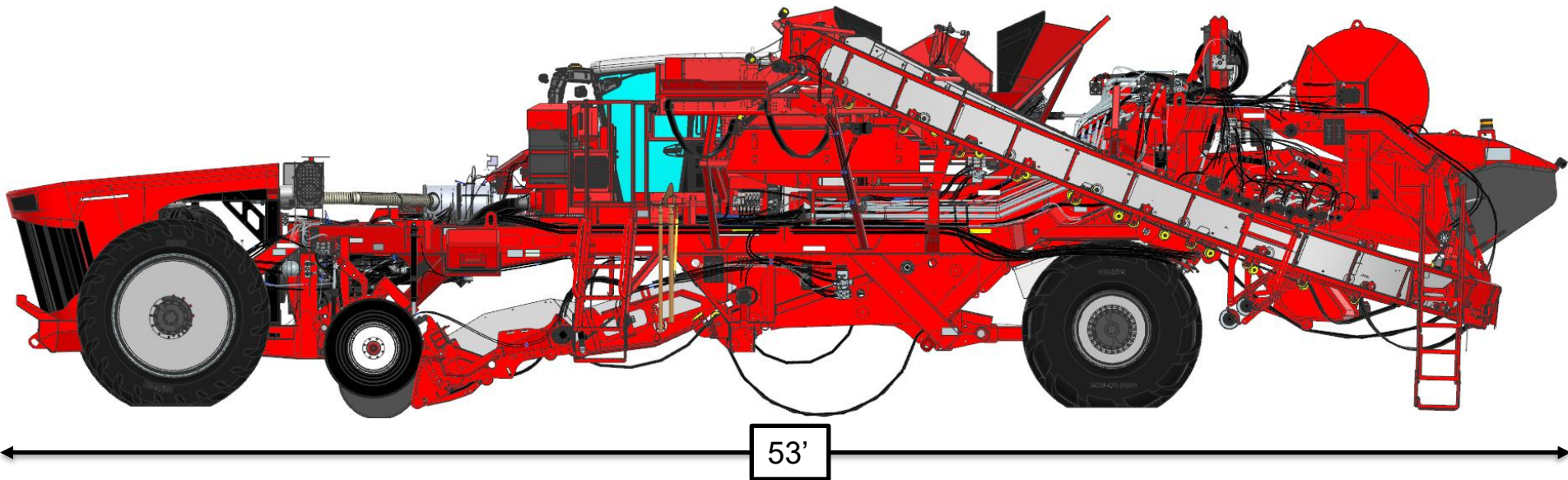


View 7040 Terratron Multi stage Service Point



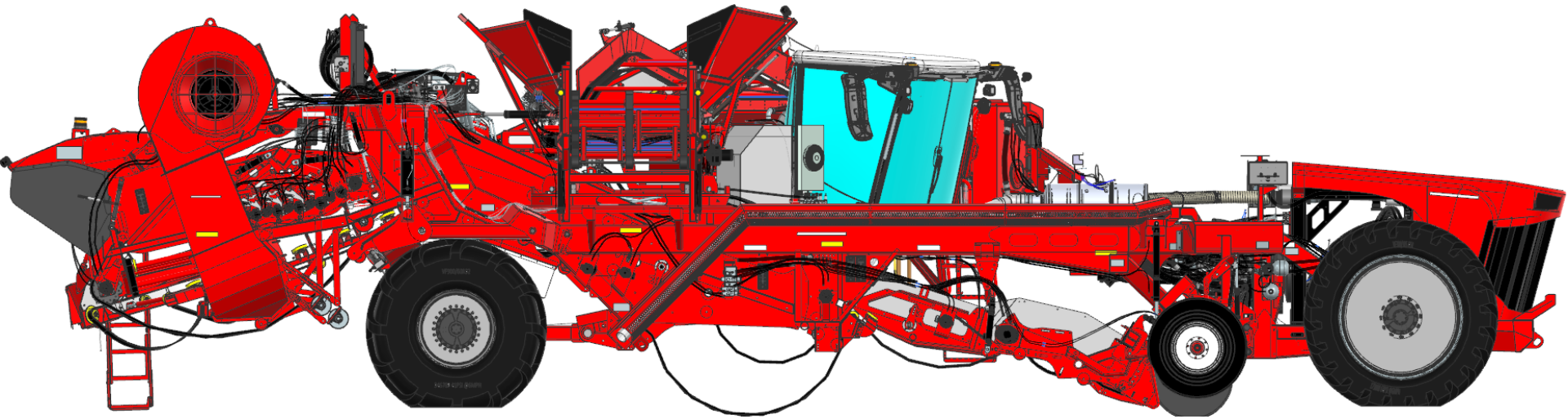
View 7040 Terratron

From left



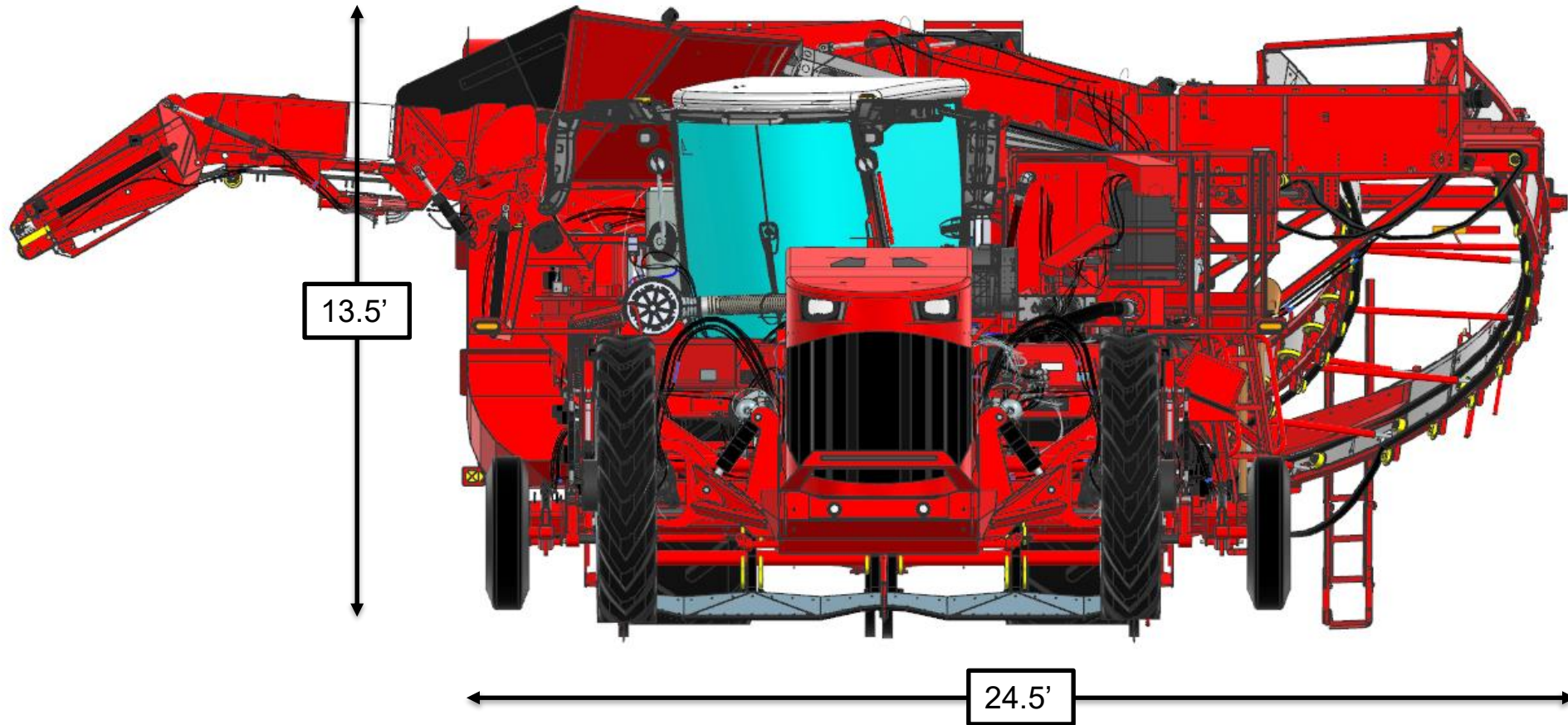
View 7040 Terratron

From right



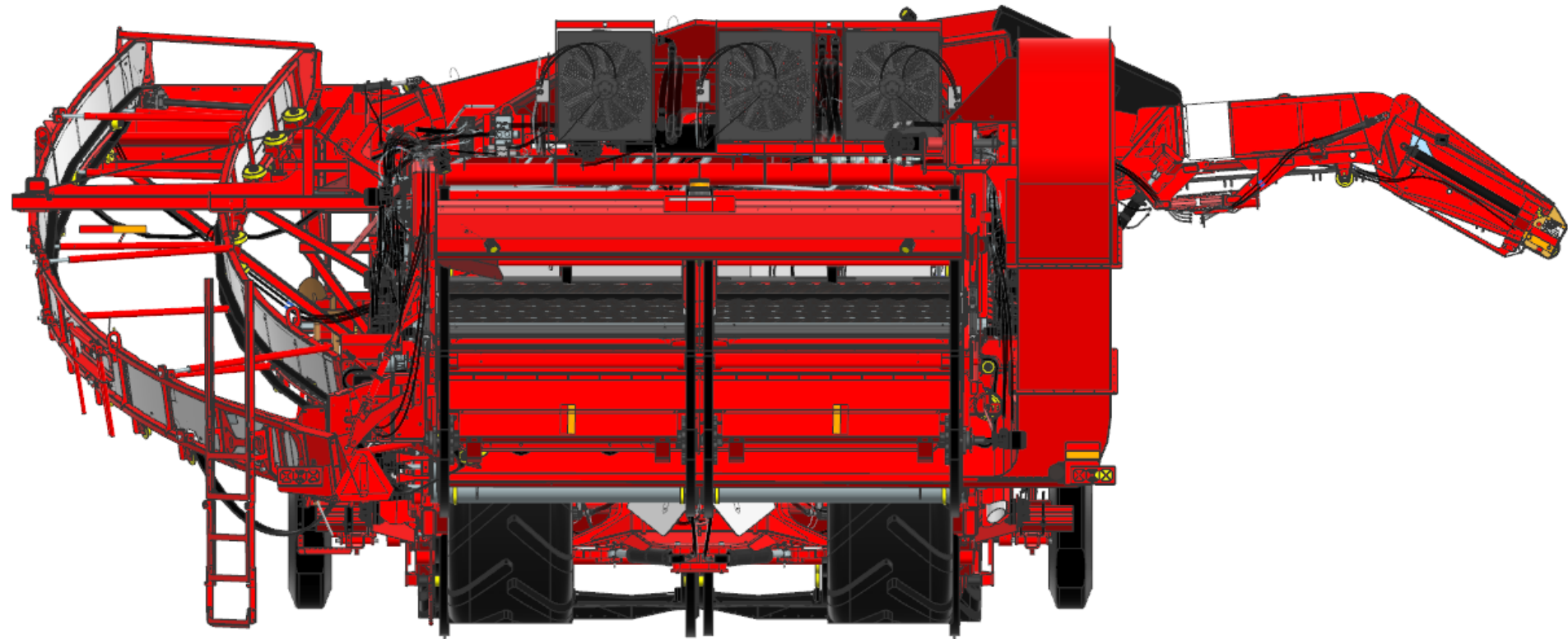
View 7040 Terratron

From front



View 7040 Terratron

From rear



View 7040 Terratron

From top

