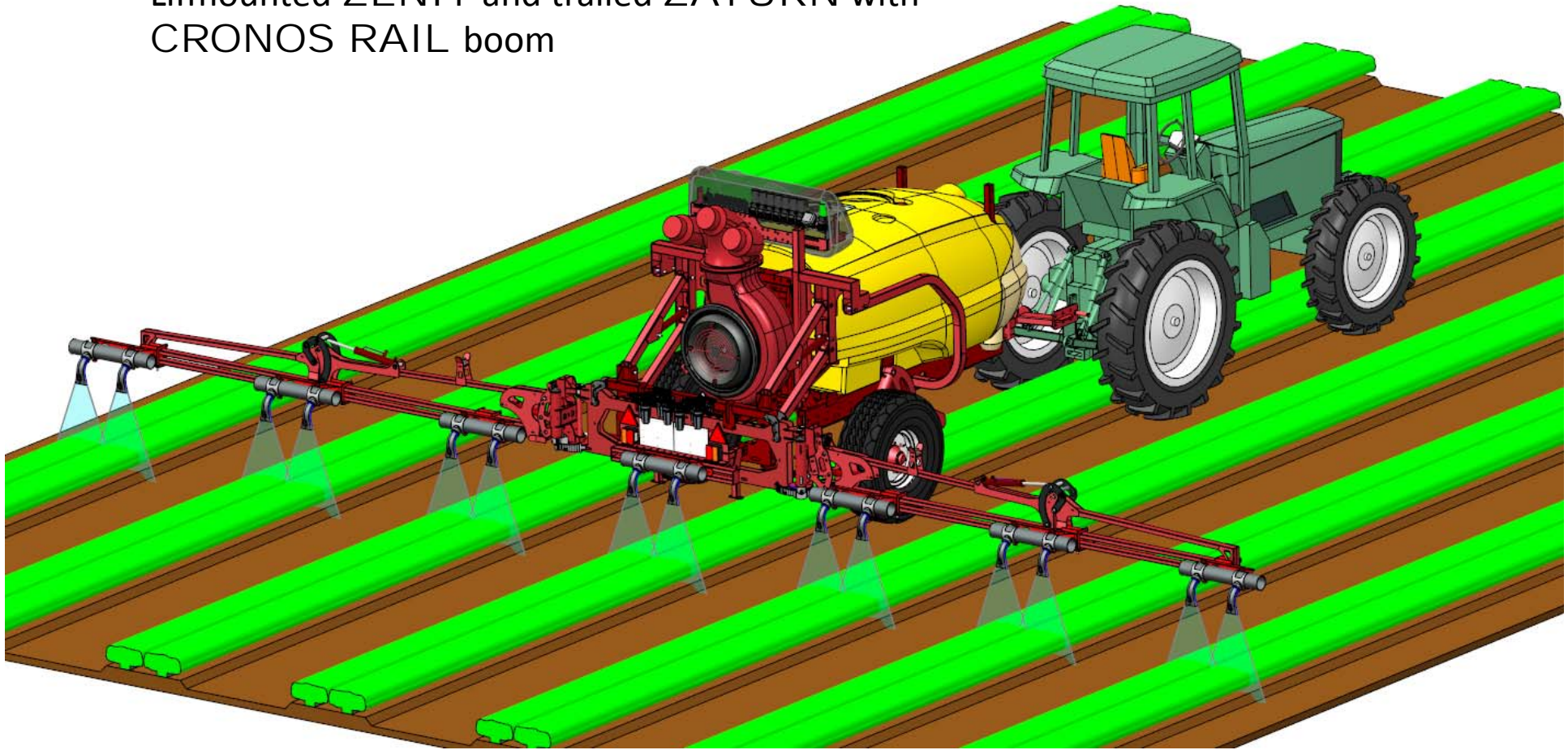


LOW CROP IN ROWS MISTBLOWER

PRODUCT GUIDE

Lifmounted ZENIT and trailed ZATURN with
CRONOS RAIL boom



Spraying set up and elements

Soil Plants Spraying (SP) – Plants over beds on the floor

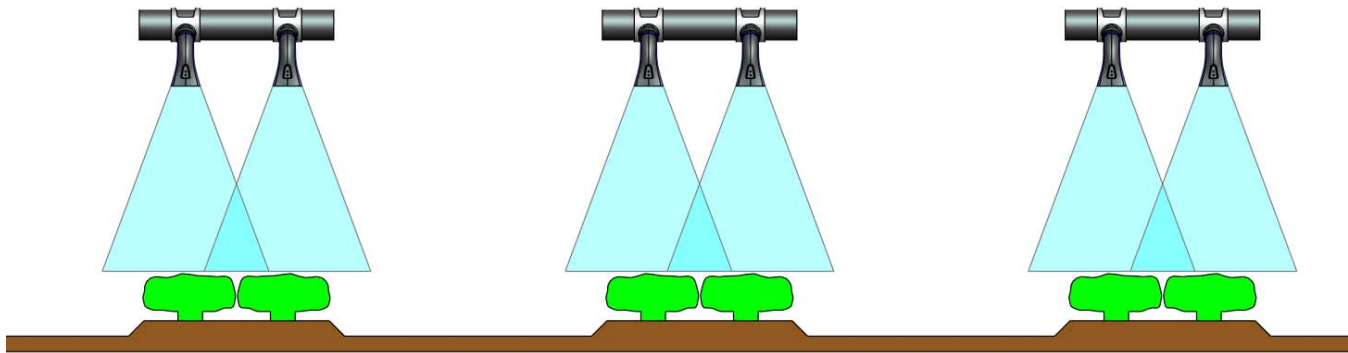
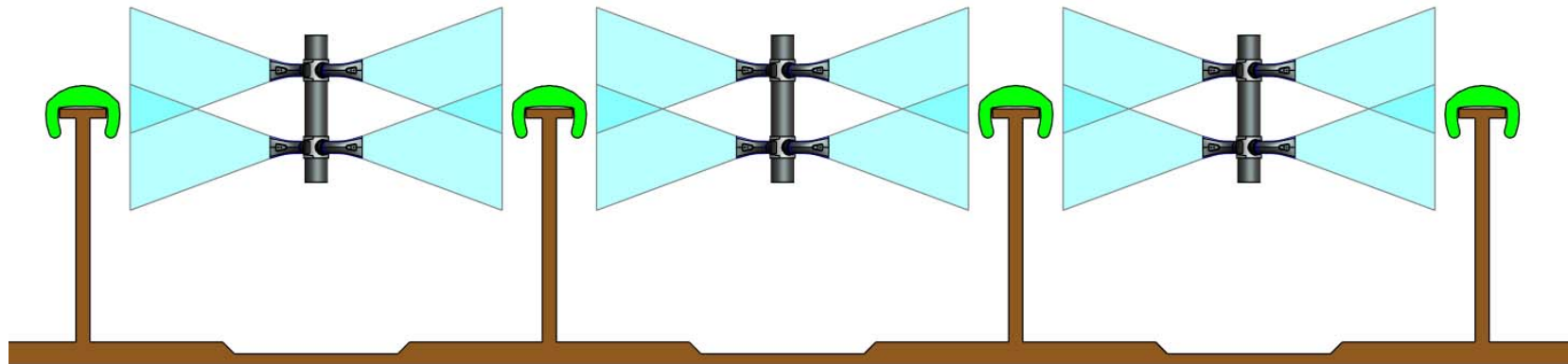


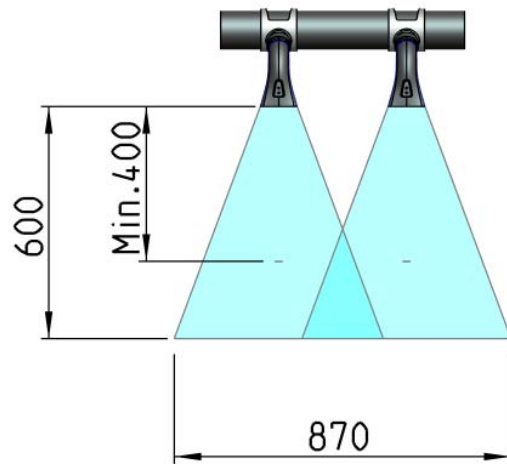
Table Top Spraying (TT)



Spray Units types

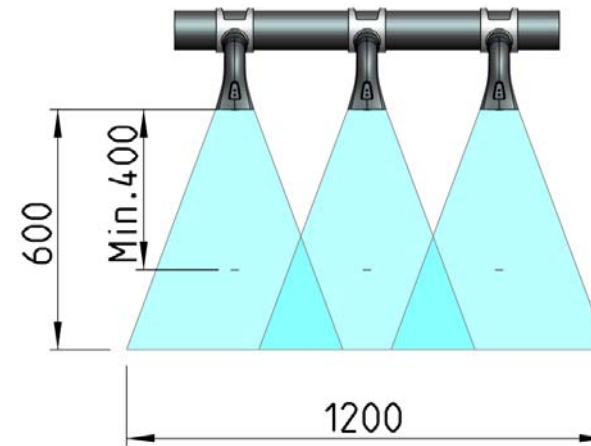
PHZ2

Paralflow HydroPneumatic horiZontal
2 outlets (Spray width max 0,8m)



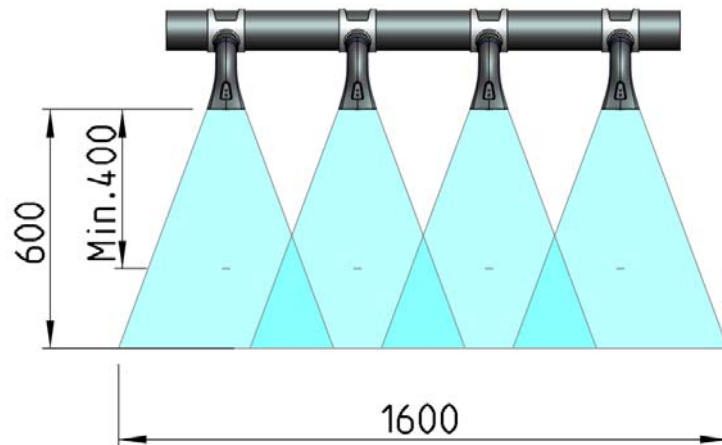
PHZ3

Paralflow HydroPneumatic horiZontal
3 outlets (Spray width max 1,2m)



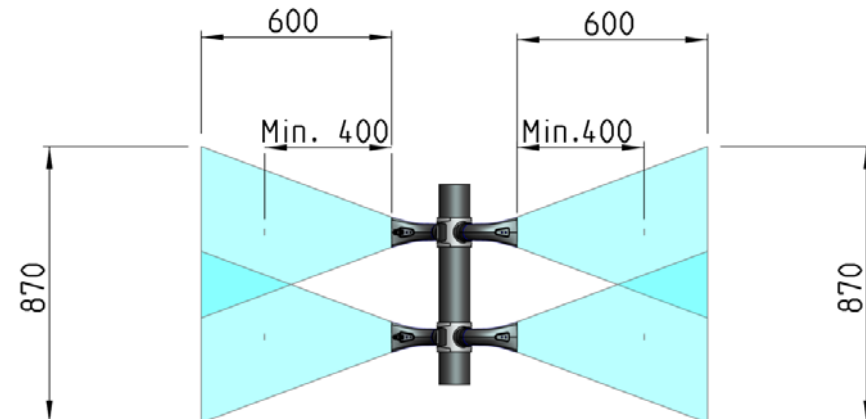
PHZ4

Paralflow HydroPneumatic horiZontal
4 outlets (Spray width max 1,6m)



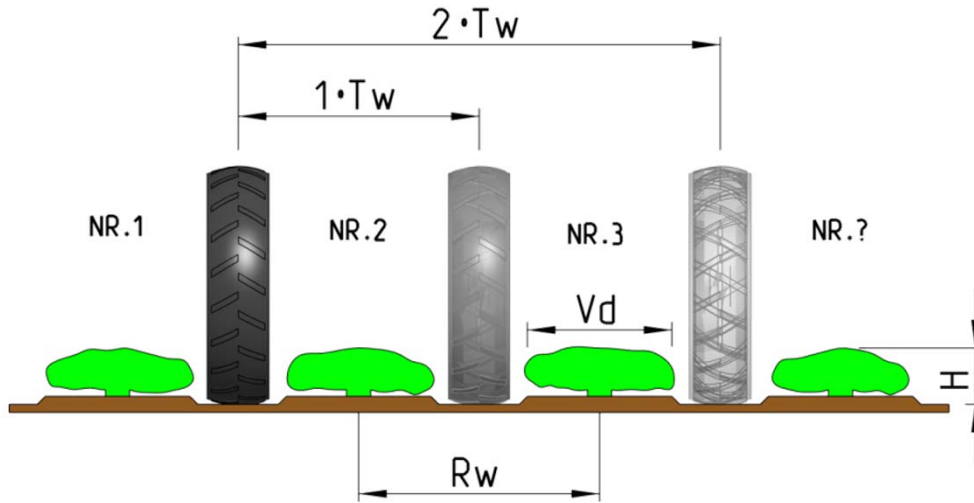
PDHV4

Paralflow Double sided HydroPneumatic Vertical
4 outlets (Spray heigth max 0,8m)



CROP details – ROWS geometry – Tractor PATH

SOIL PLANTS (SP)



1.TW → 1 plant bed between Tractor Wheels

2.TW → 2 plant bed between Tractor Wheels

Rw → Row Width

VD.P1 → Vegetation Distance to be sprayed,
1 Plant per bed (Row)

VD.P2 → Vegetation Distance to be sprayed,
2 Plants per bed (Row)

H → Height on top of the plant at maximum
vegetative growth

Nr → Number of rows to be sprayed

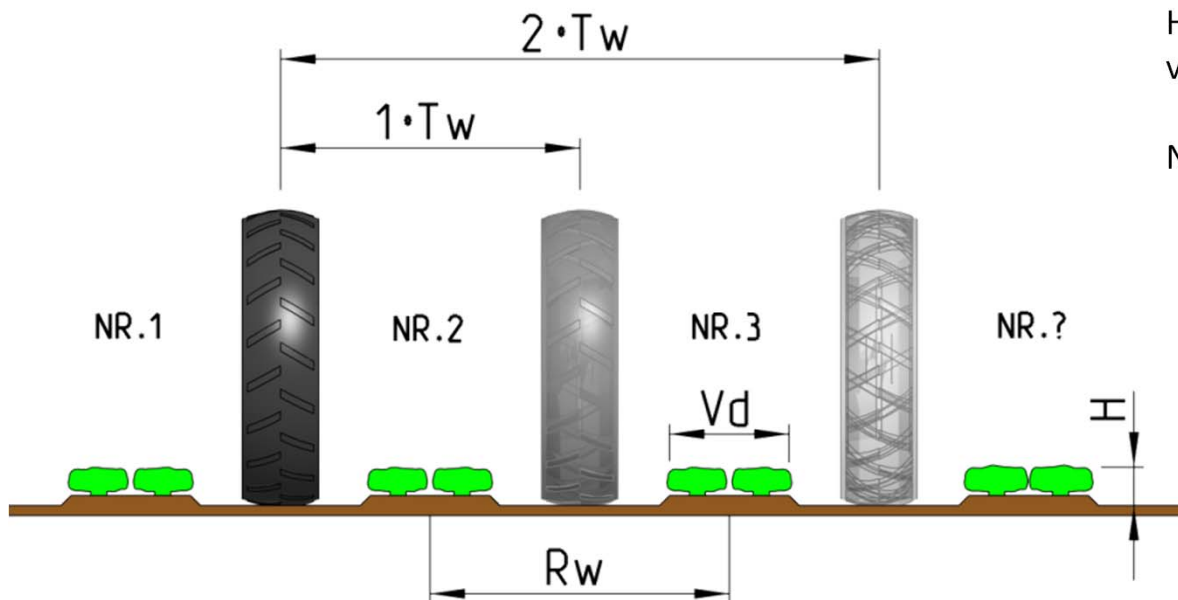
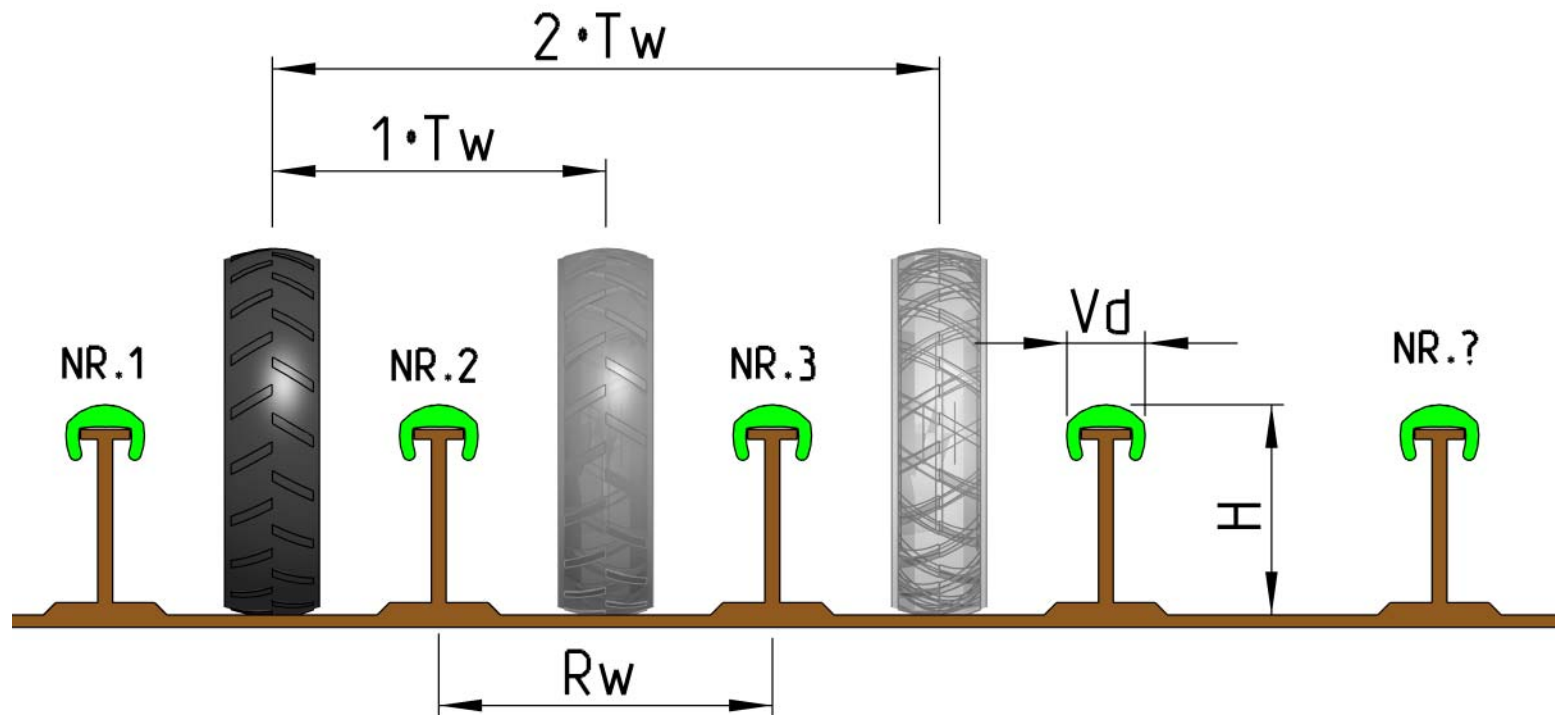


TABLE TOP SPRAYING (TTS)



$1 \cdot Tw \rightarrow$ 1 plant bed between Tractor Wheels

$2 \cdot Tw \rightarrow$ 2 plant bed between Tractor Wheels

$Rw \rightarrow$ Row Width

$VDP1 \rightarrow$ Vegetation Distance to be sprayed,
1 Plant per bed (Row)

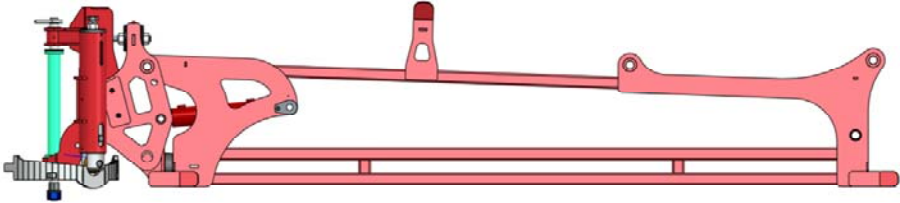
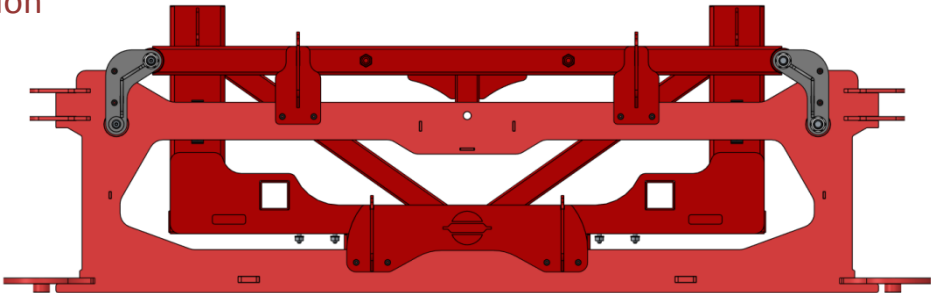
$VDP2 \rightarrow$ Vegetation Distance to be sprayed,
2 Plants per bed (Row)

$H \rightarrow$ Height on top of the plant at maximum
vegetative growth

$Nr \rightarrow$ Number rows to be treated

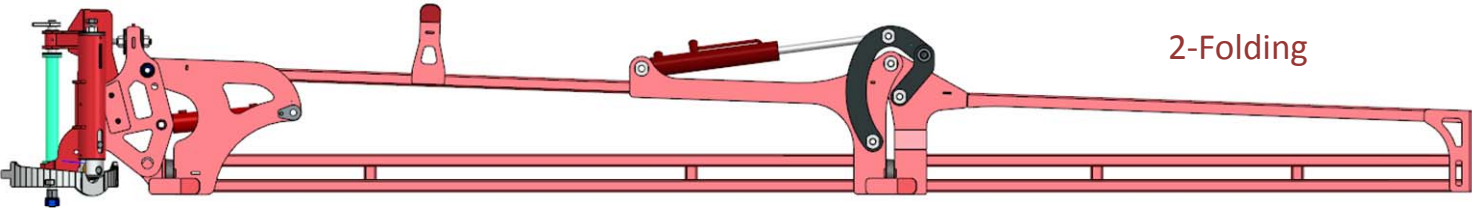
CRONOS RAIL boom

Center section



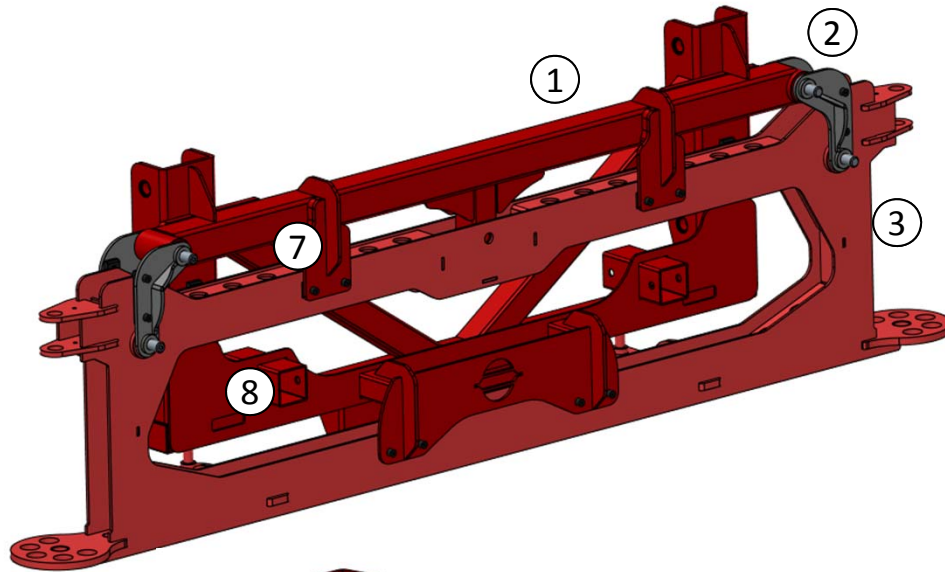
1-Folding

Wings

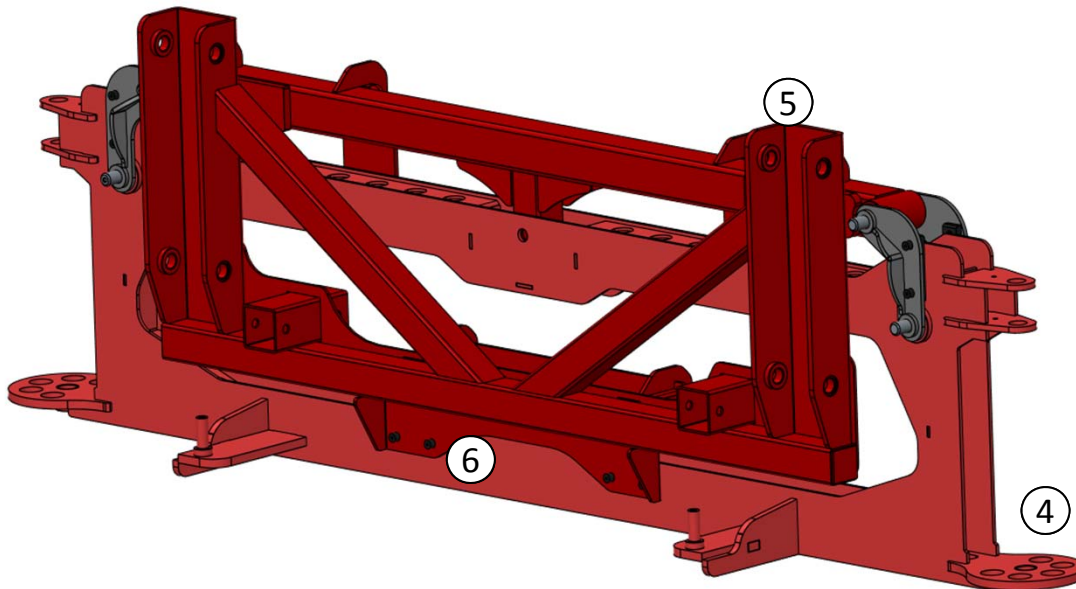


2-Folding

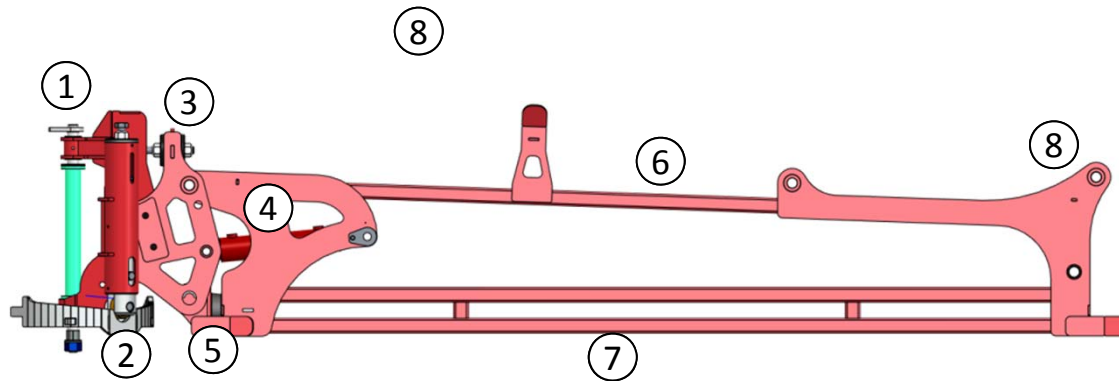
Booms – Center section details



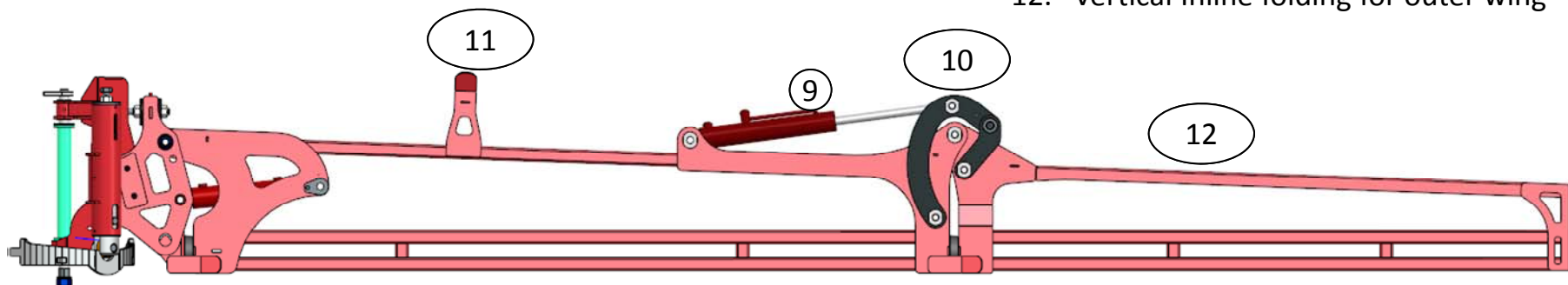
1. Fix Center
2. Trapeze rods
3. Floating center
4. Boom connection
5. Geometry for paralift
6. Bottom guidance for floating center
7. Top guidance for floating center
8. Rear support connection



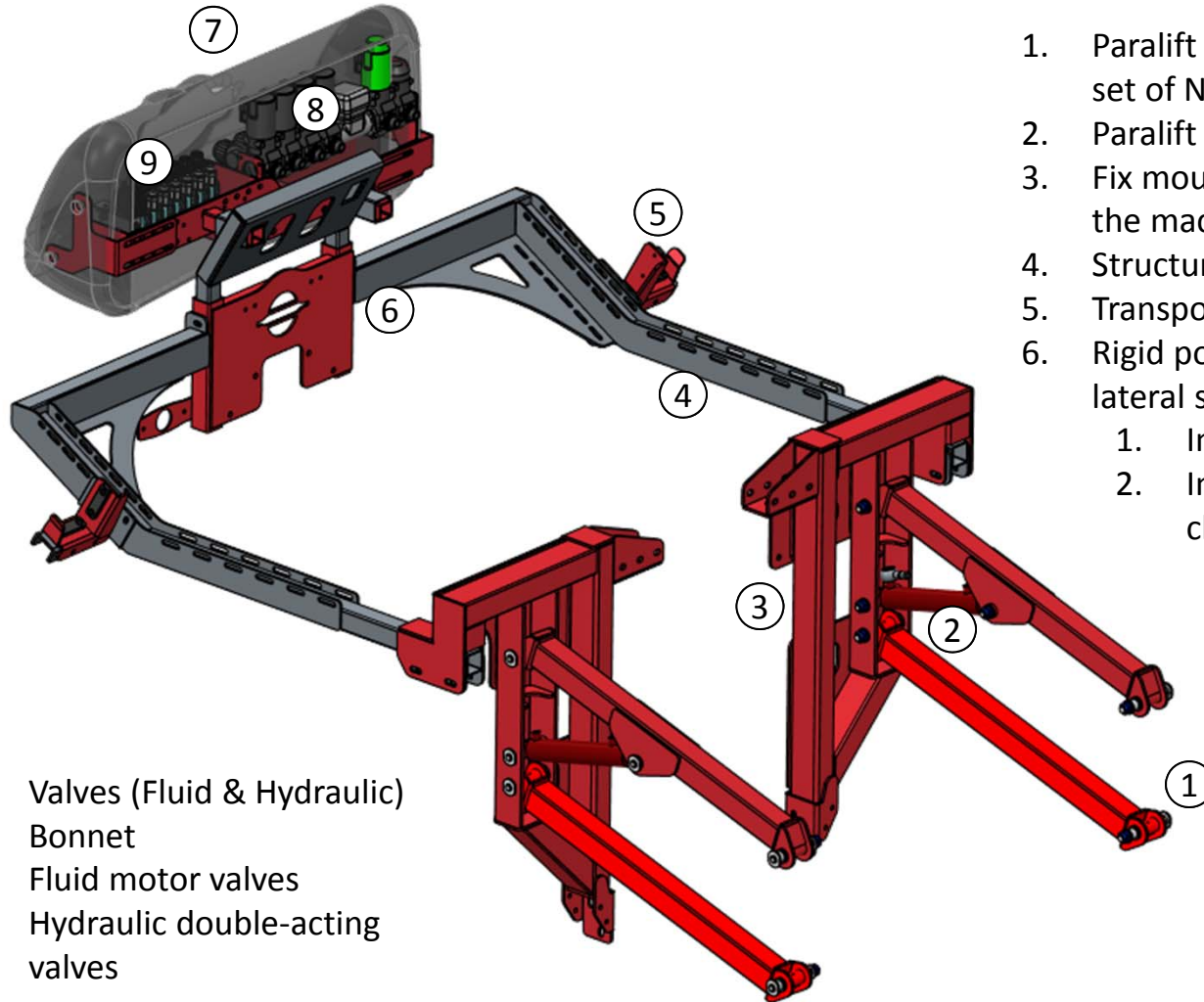
Booms – Wings details



1. Pivot point
2. Main clutch with auto-recover position
3. Semi-Flexible boom head with rubber suspension system
4. Tilt push cylinder
5. Bottom rubber semi-flexible connection
6. Top tube on wing arms
7. Bottom dual-tube. Rails (or guidances) for spray units mounting brackets
8. Pivot point for outer boom wing
9. External folding cylinder
10. Rods with Over-Center locking design to fix the outer wing in spraying position
11. Laying support for external wing in transport position
12. Vertical Inline folding for outer wing



Booms – Paralift System & Folding brackets

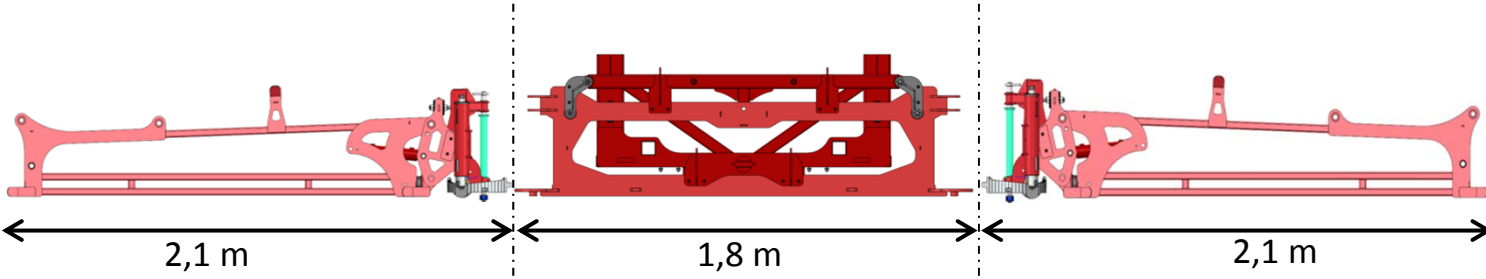


1. Paralift elevation system, it includes a set of Nitrogen dampers for suspension
2. Paralift cylinders in pushing position
3. Fix mounted base which is mounted to the machine chassis
4. Structure for lateral reinforcement
5. Transport bracket for booms
6. Rigid point on the machine chassis for lateral structure
 1. In lift mounted is at front
 2. In trailed is underneath on the chassis vims

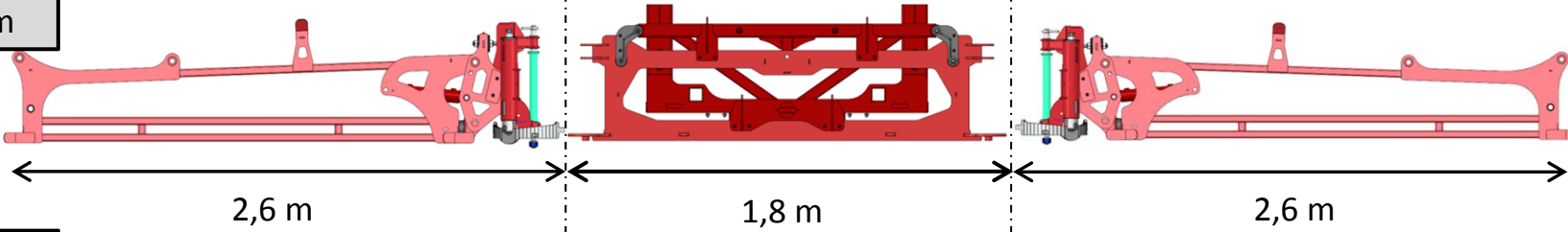
7. Valves (Fluid & Hydraulic) Bonnet
8. Fluid motor valves
9. Hydraulic double-acting valves

CRONOS RAIL 1 FOLD

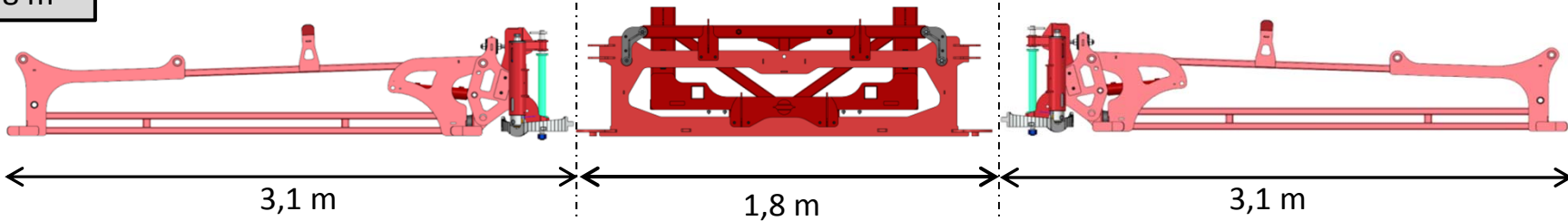
6 m



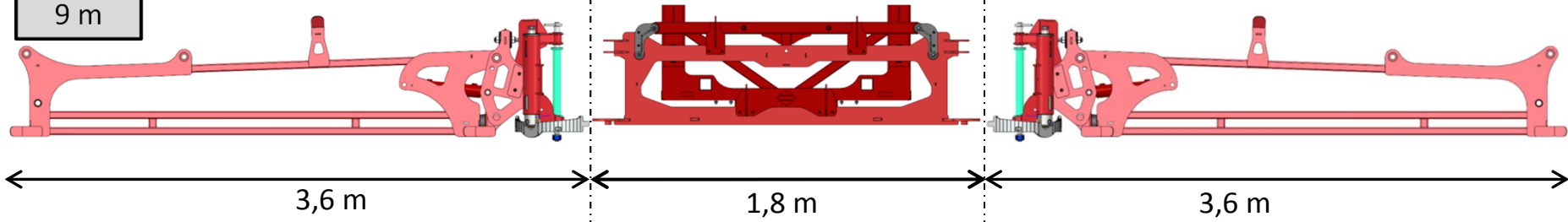
7 m



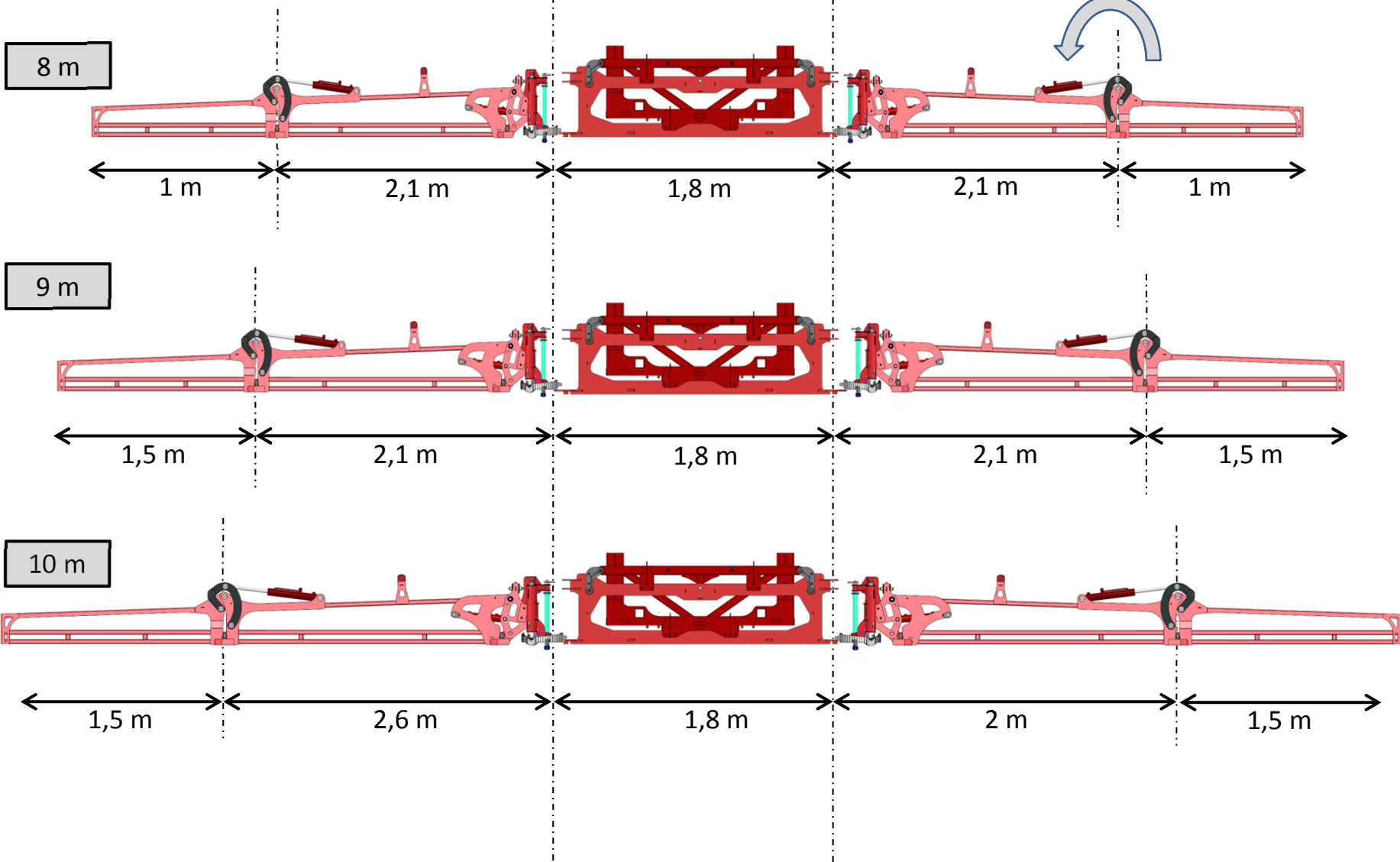
8 m



9 m

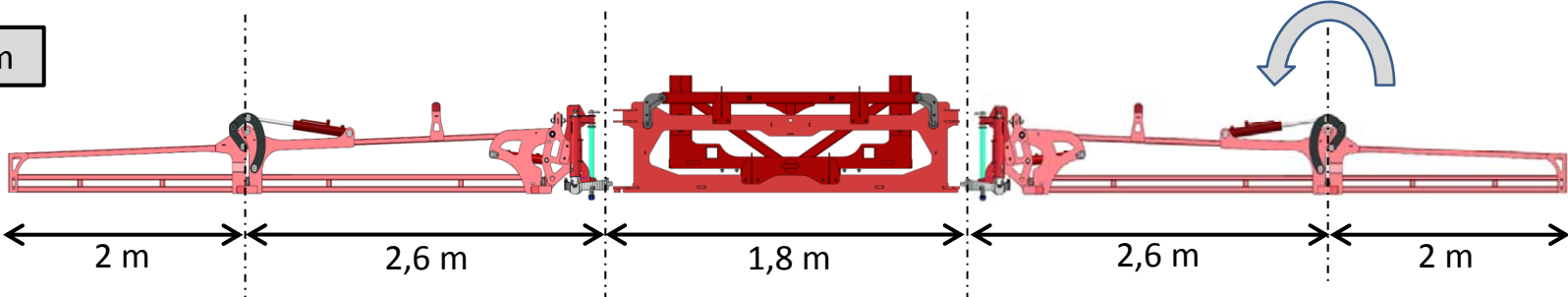


CRONOS RAIL – 2 FOLD

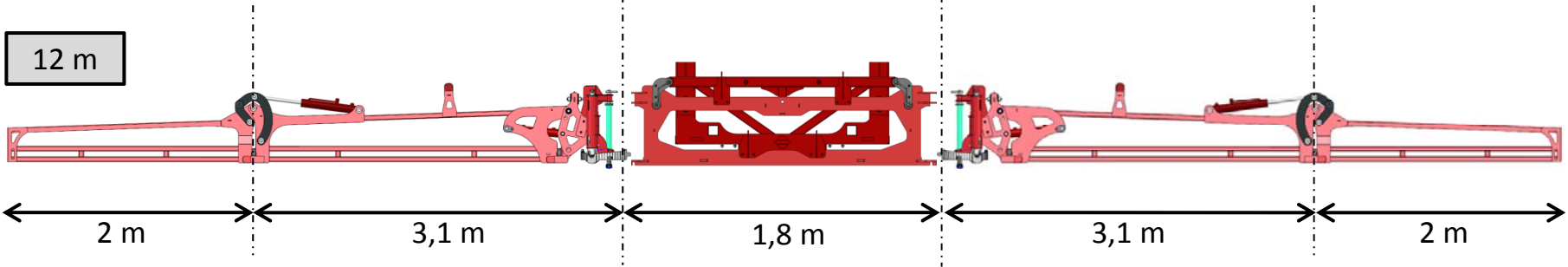


CRONOS RAIL – 2 FOLD

11 m



12 m



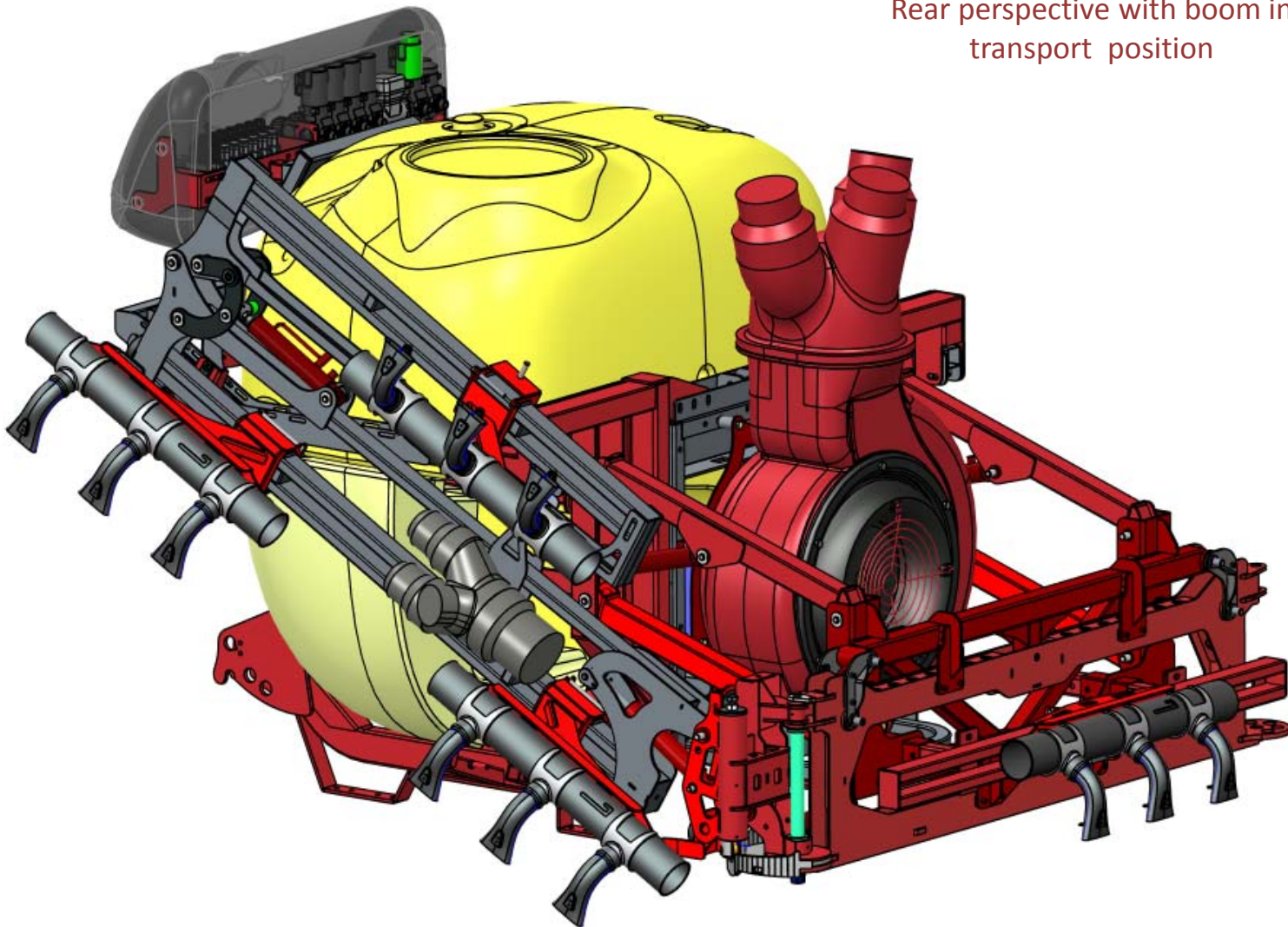
LOW CROP IN ROWS MISTBLOWER

ZENIT LIFMOUNTED DETAILS

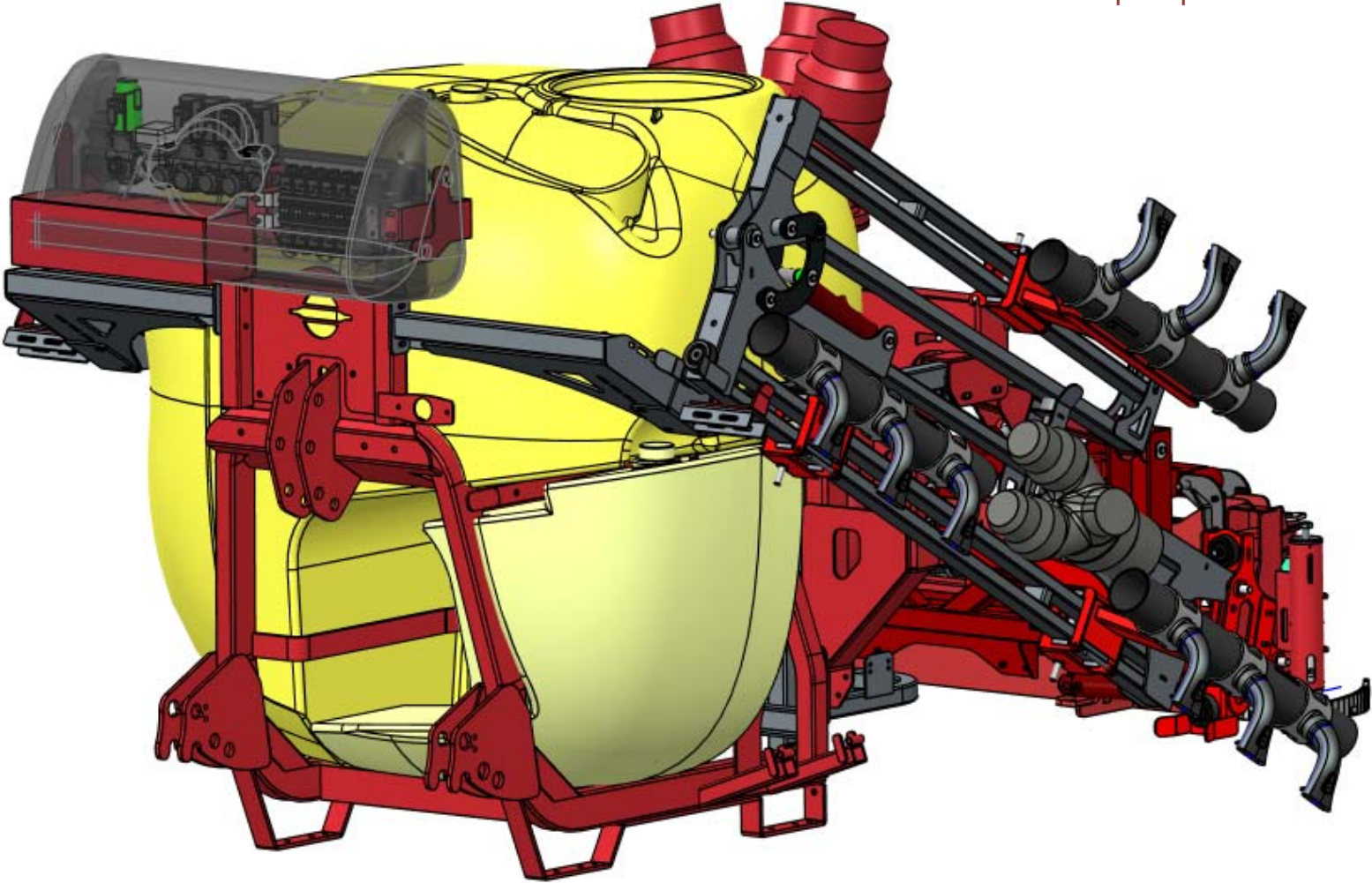
CRONOS RAIL boom

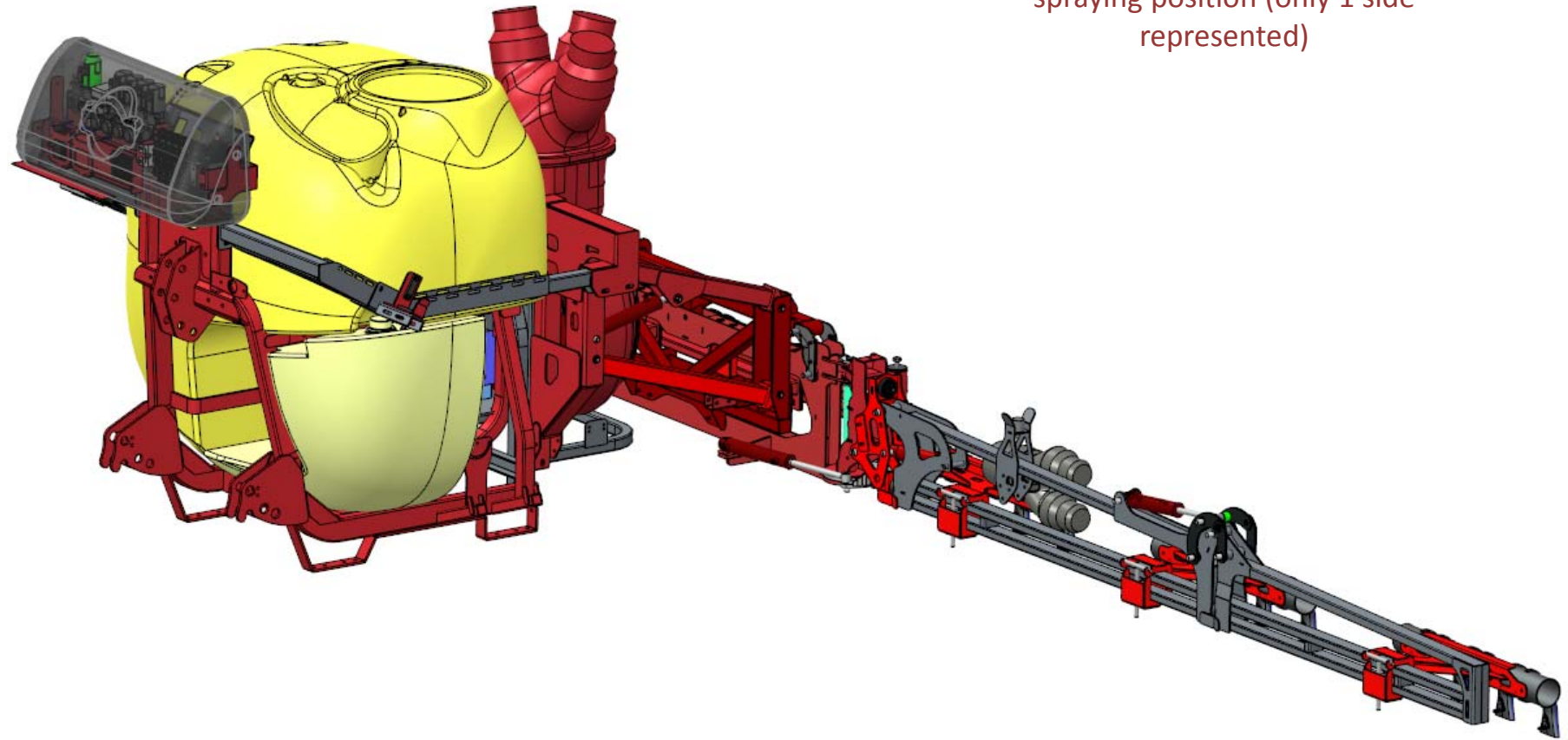
ZENIT OVERALL VIEW FOR THE ASSEMBLY

Rear perspective with boom in transport position

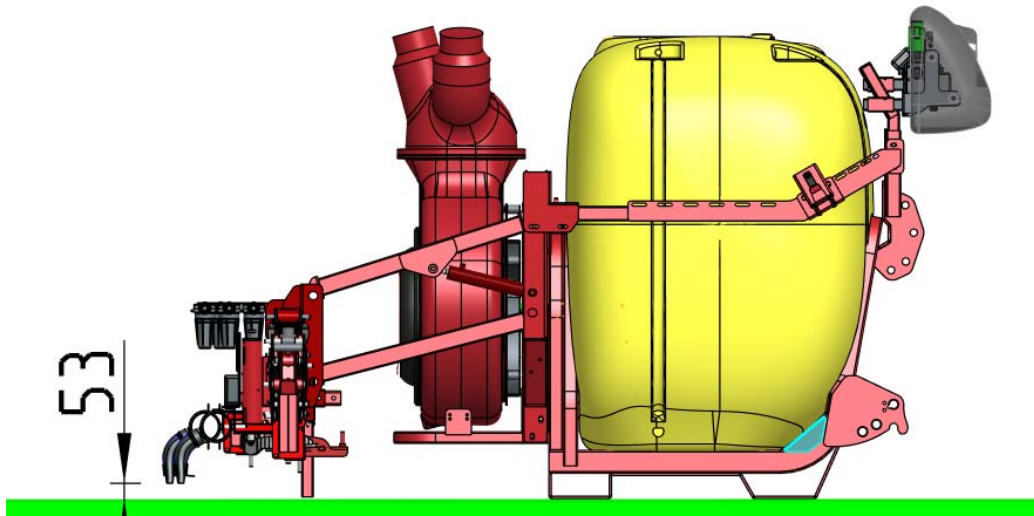


Front perspective with boom in transport position

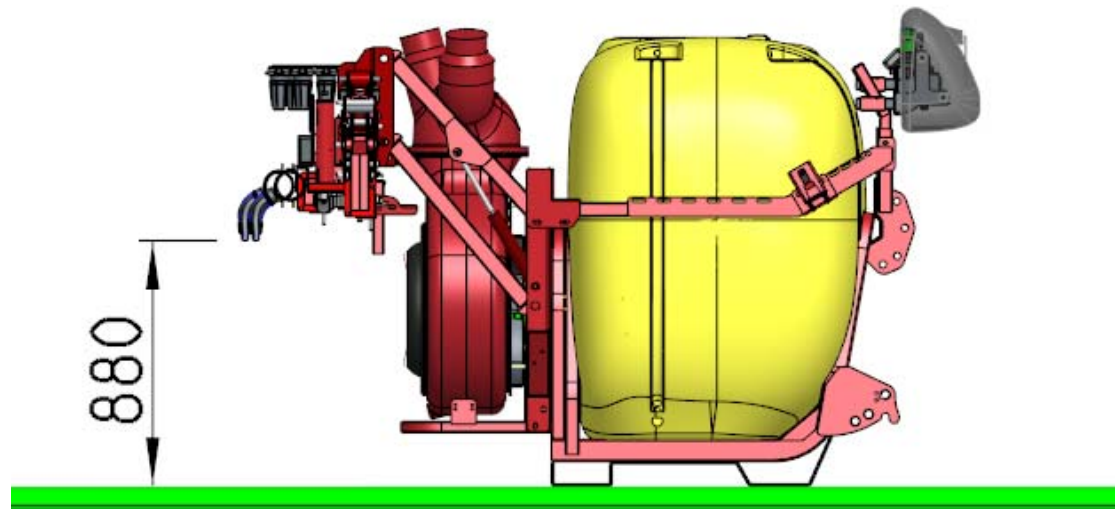


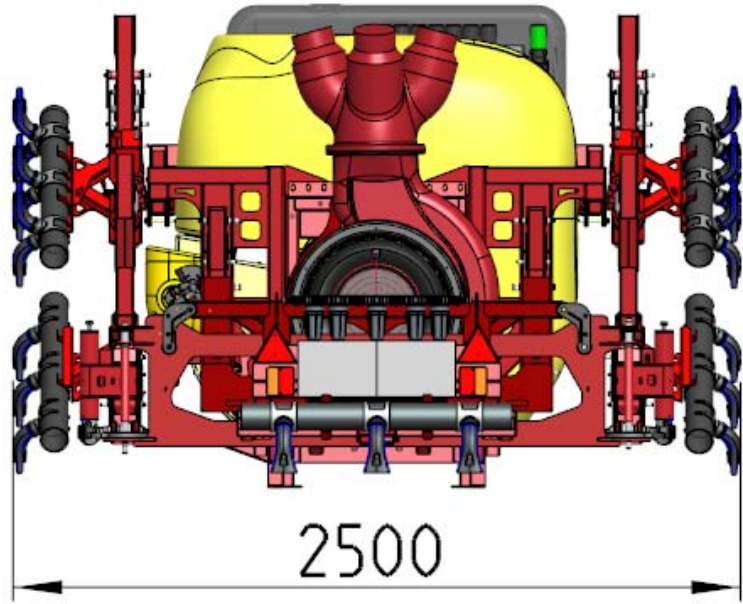


Front perspective with boom
spraying position (only 1 side
represented)



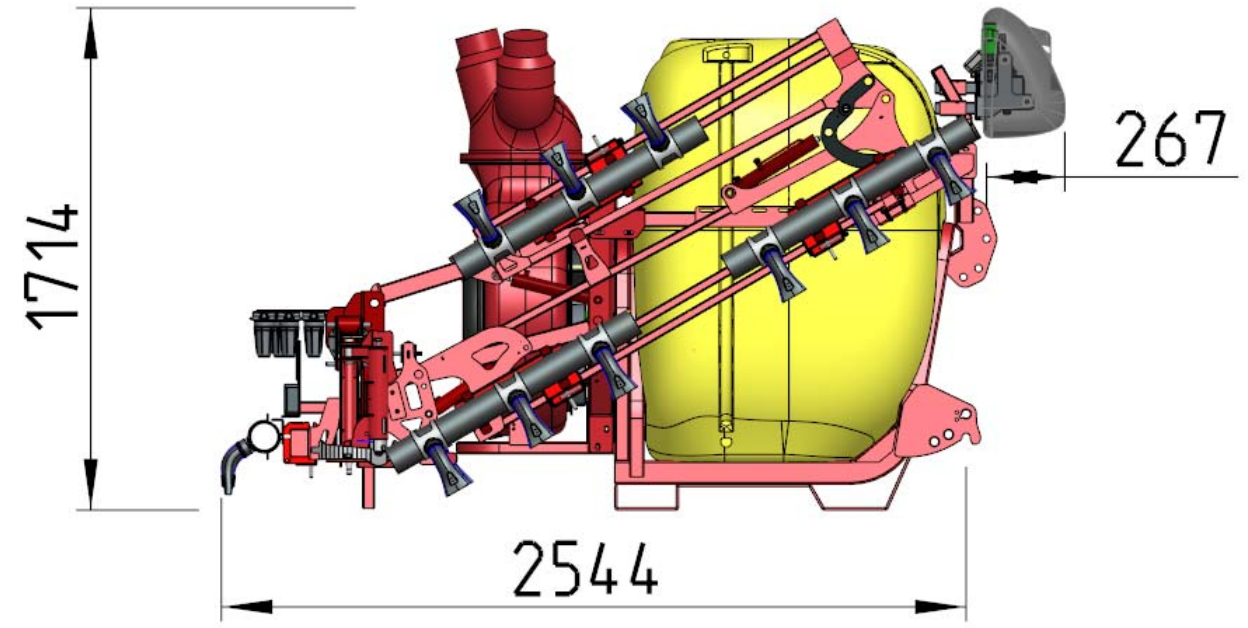
Paralift Stroke
820mm



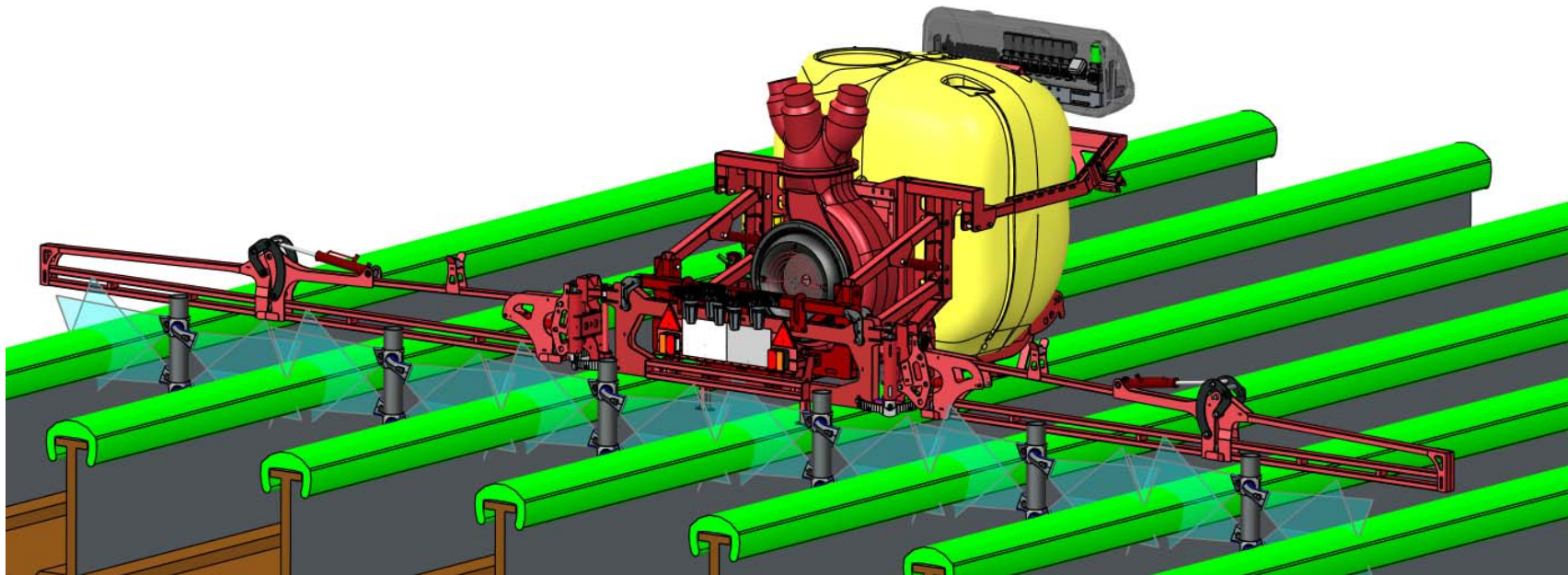
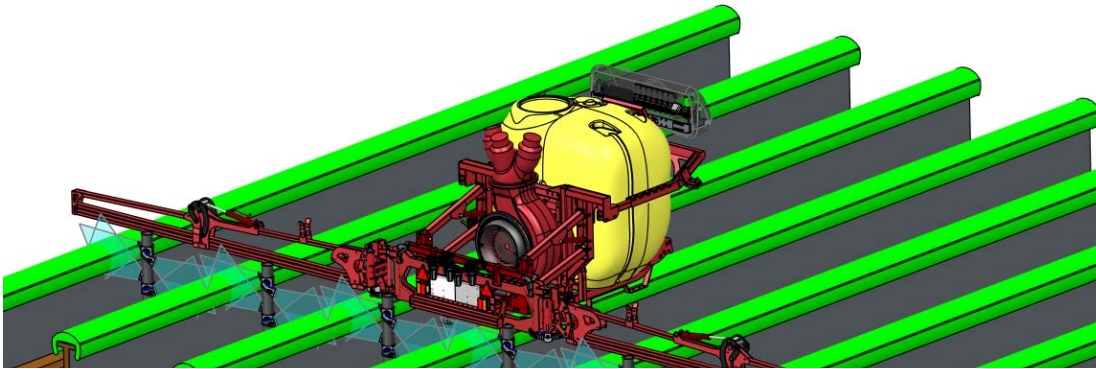


Example on ZENIT 1000 L

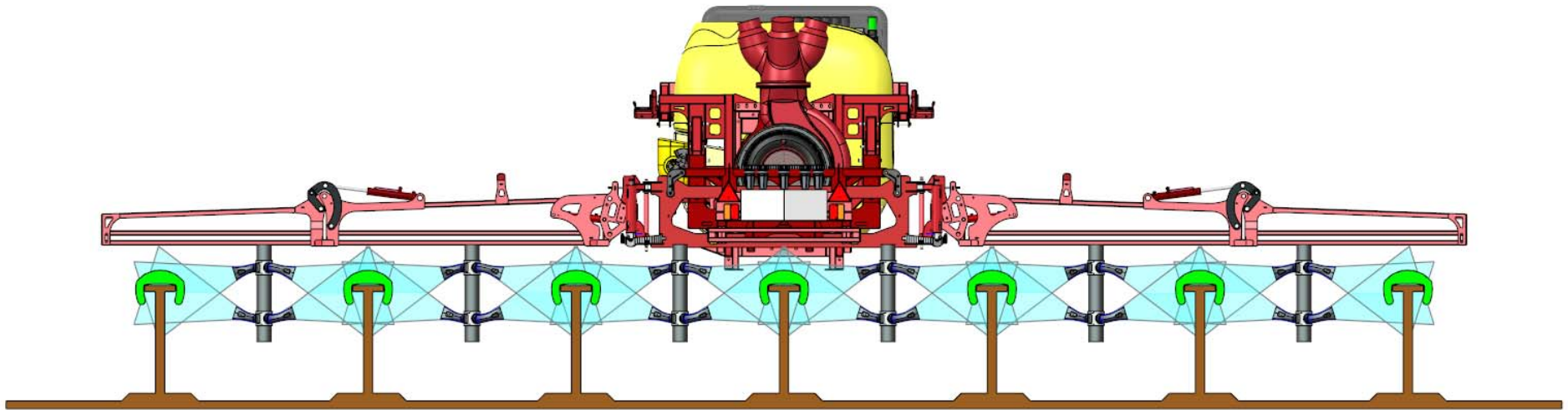
Main dimensions in transport position.



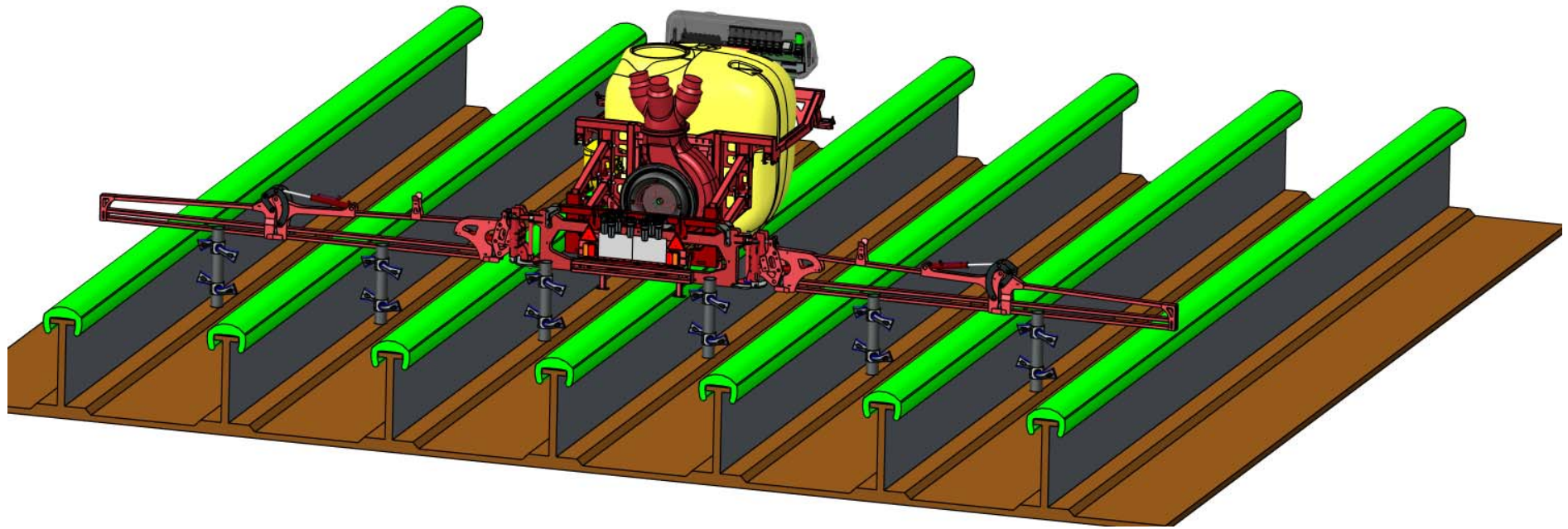
ZENIT CRONOS RAIL – TABLE TOP SPRAYING



ZENIT RAIL FOSTER – TABLE TOP SPRAYING



ZENIT LOWCROP



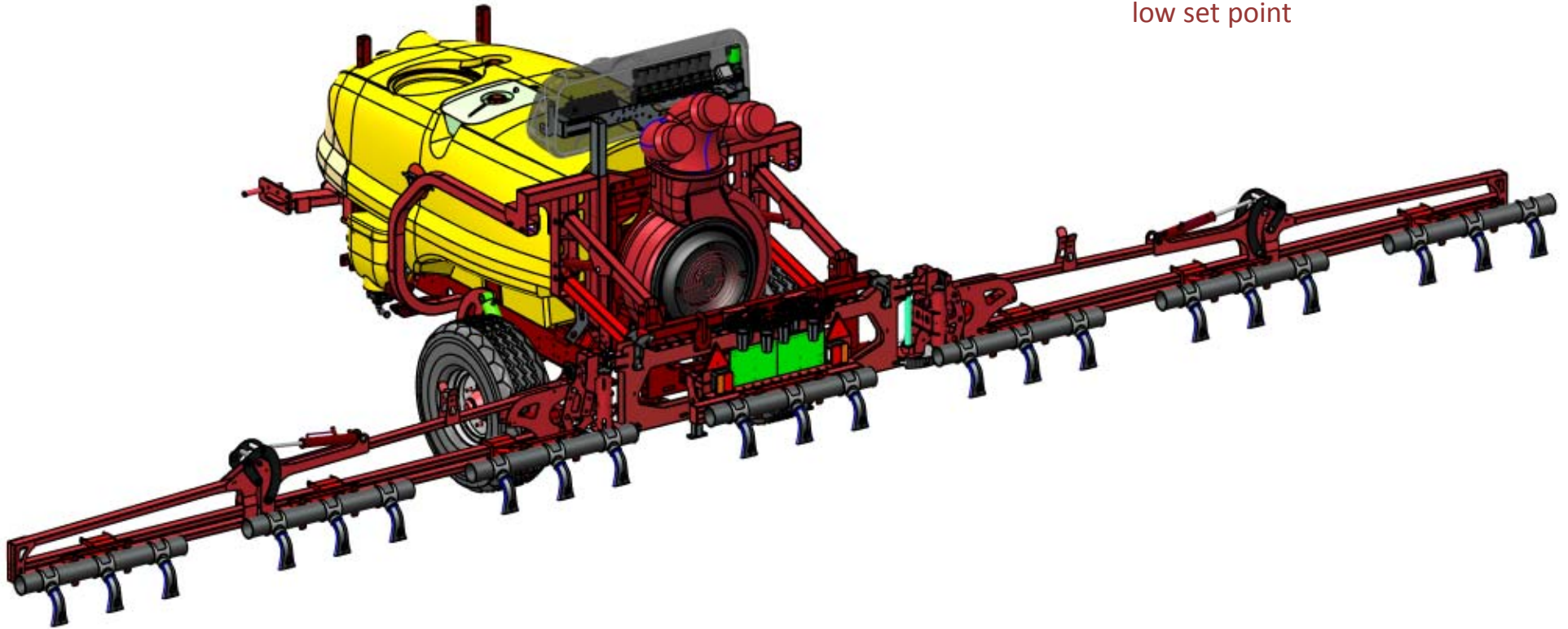
LOW CROP IN ROWS MISTBLOWER

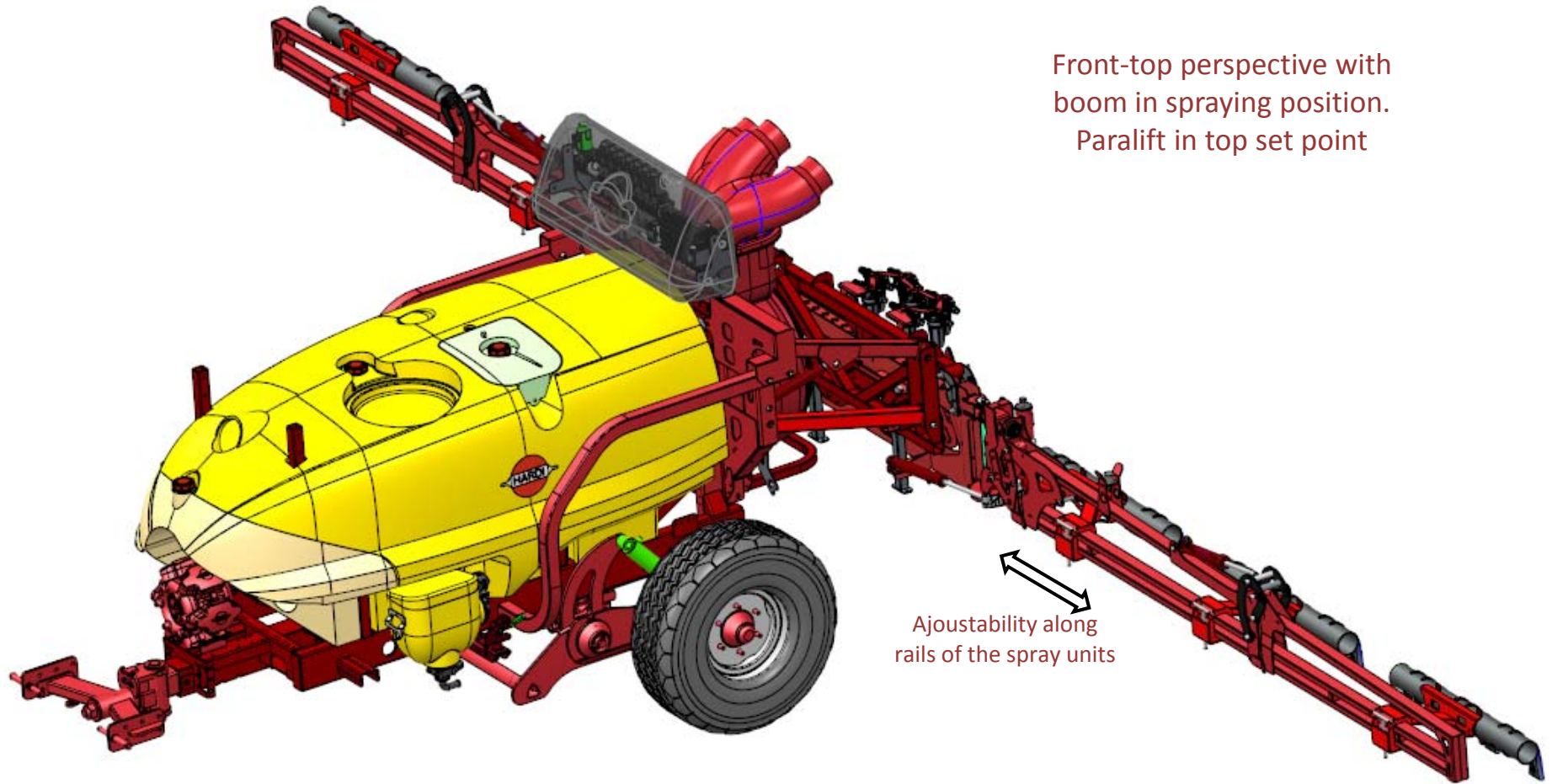
ZATURN TRAILED DETAILS

CRONOS RAIL boom

ZATURN OVERALL VIEW FOR THE ASSEMBLY

Rear perspective with boom in
spraying position, paralift at
low set point

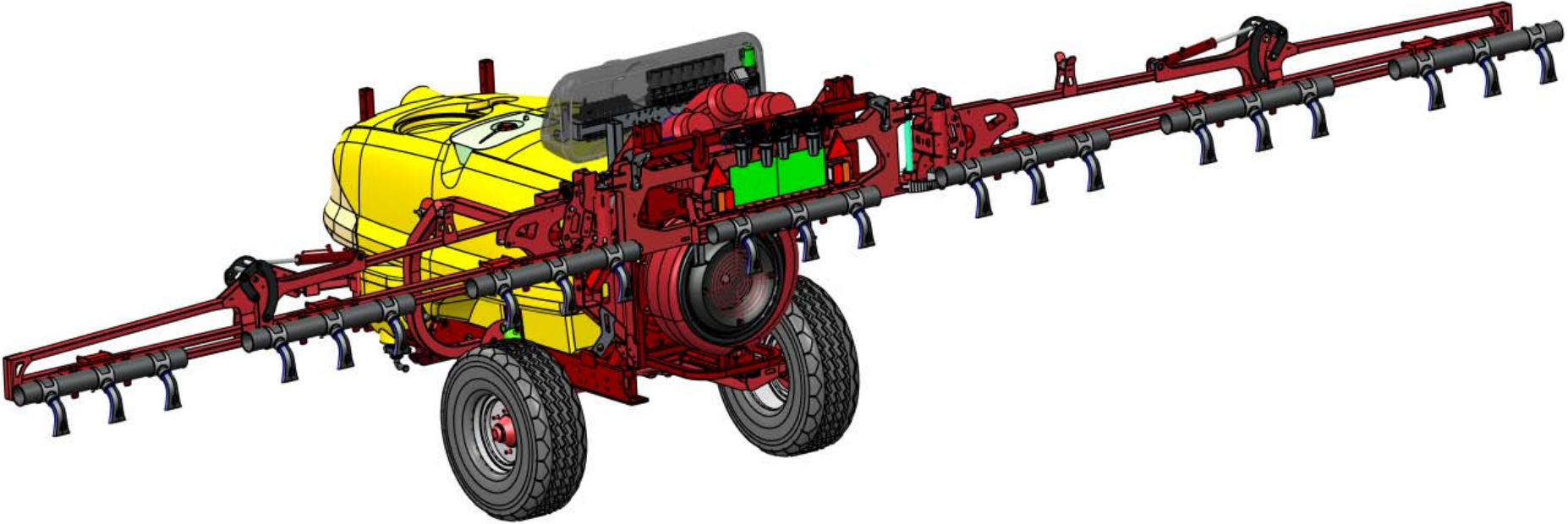


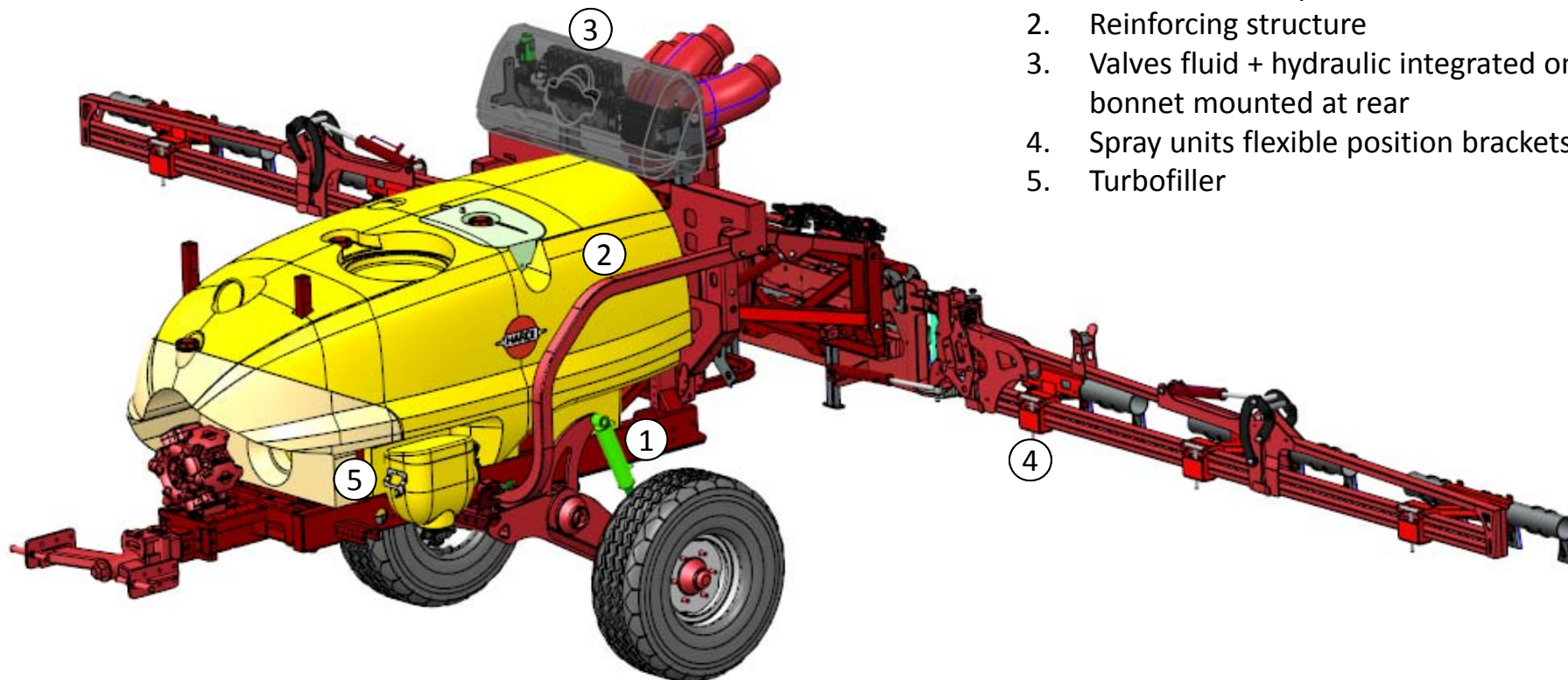


Front-top perspective with
boom in spraying position.
Paralift in top set point

Adjustability along
rails of the spray units

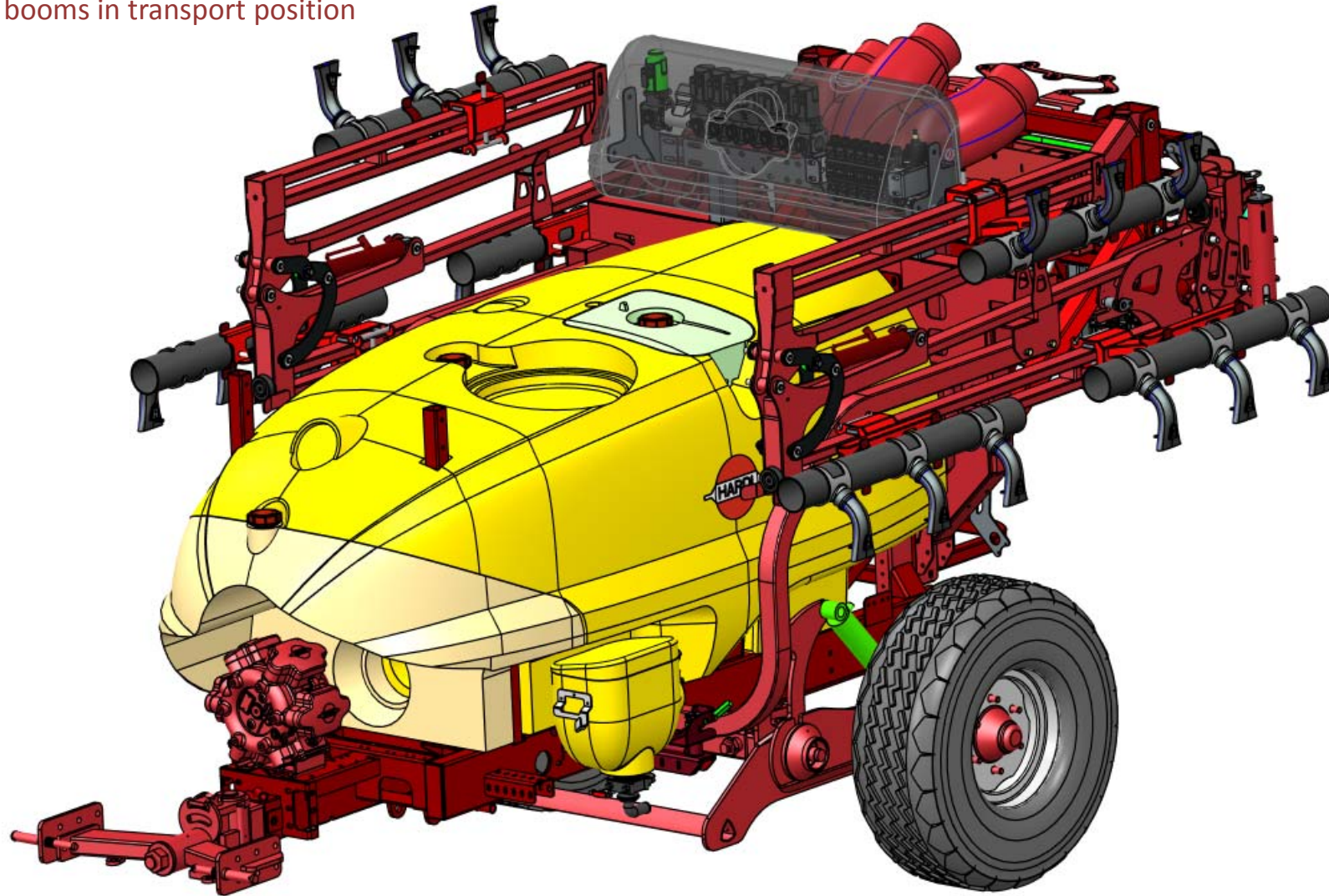
Rear-top perspective with boom in spraying position.
Paralift in top set point



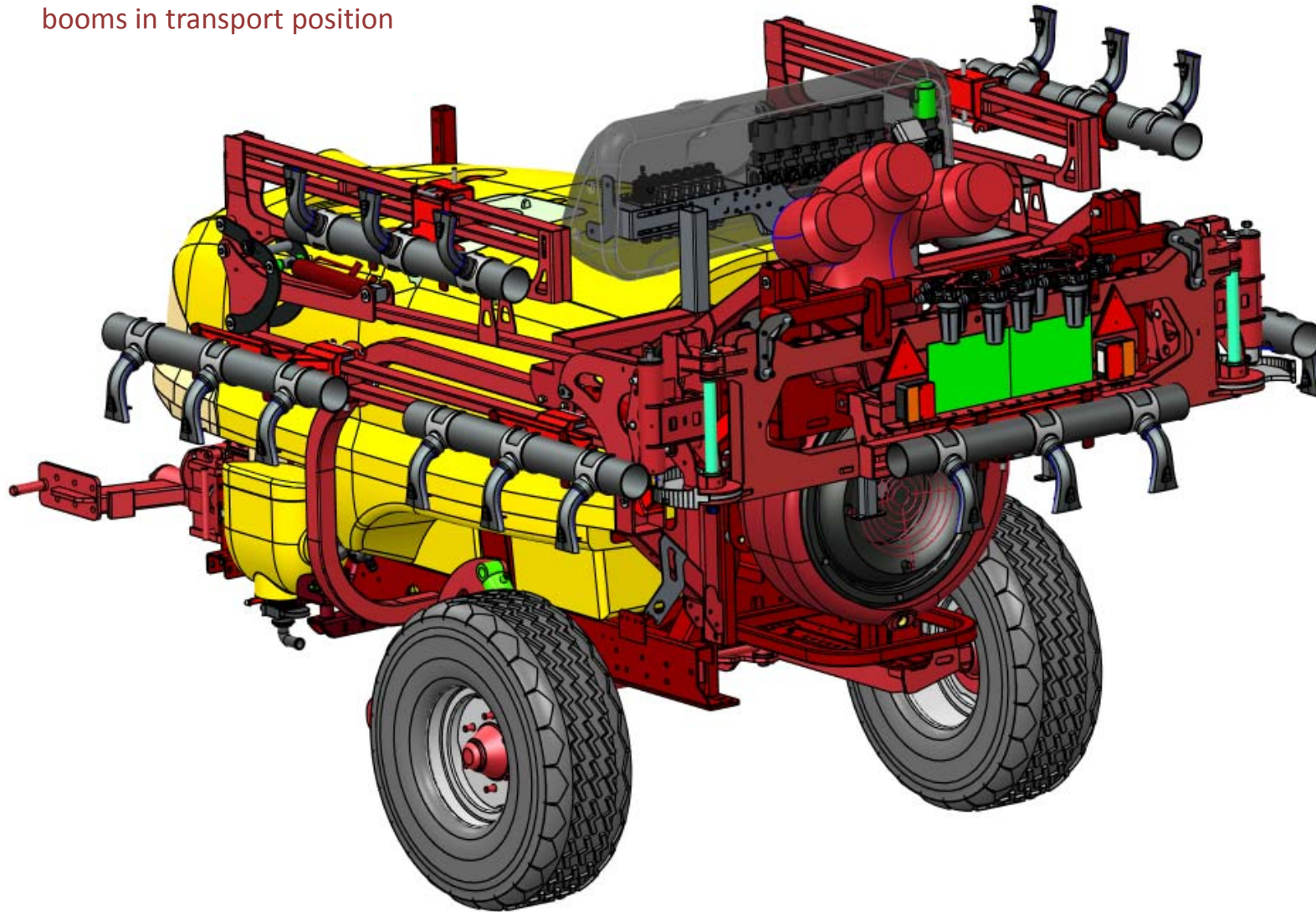


1. Axle elevation system
2. Reinforcing structure
3. Valves fluid + hydraulic integrated on a bonnet mounted at rear
4. Spray units flexible position brackets
5. Turbofiller

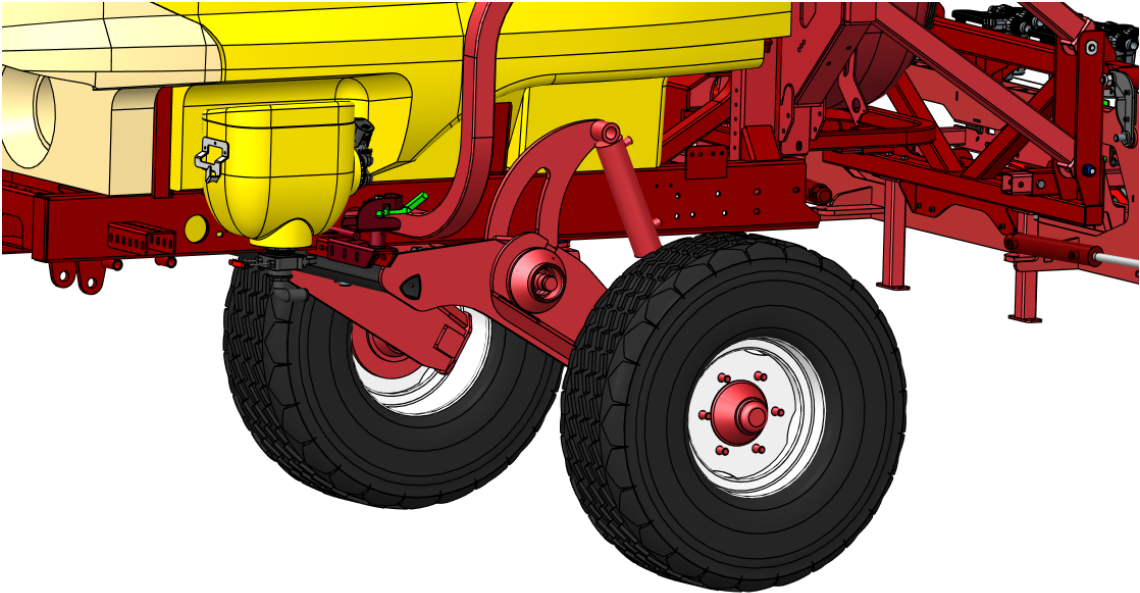
ZATURN front perspective with
booms in transport position



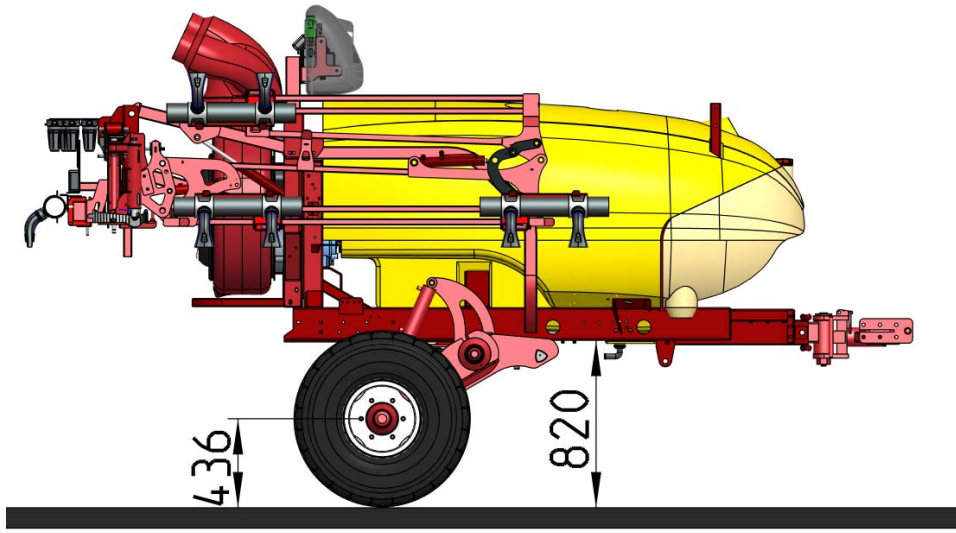
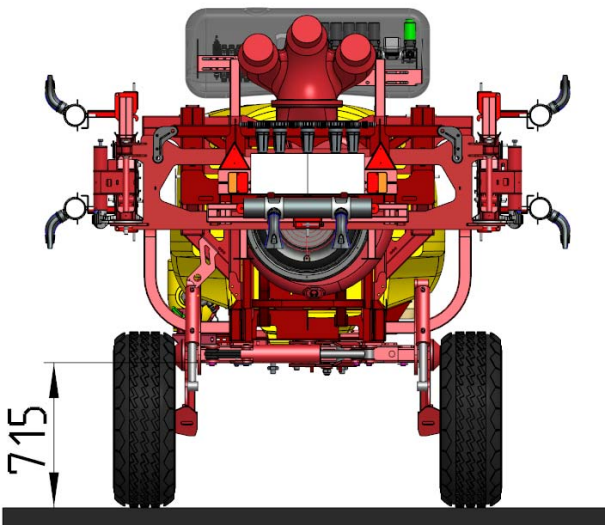
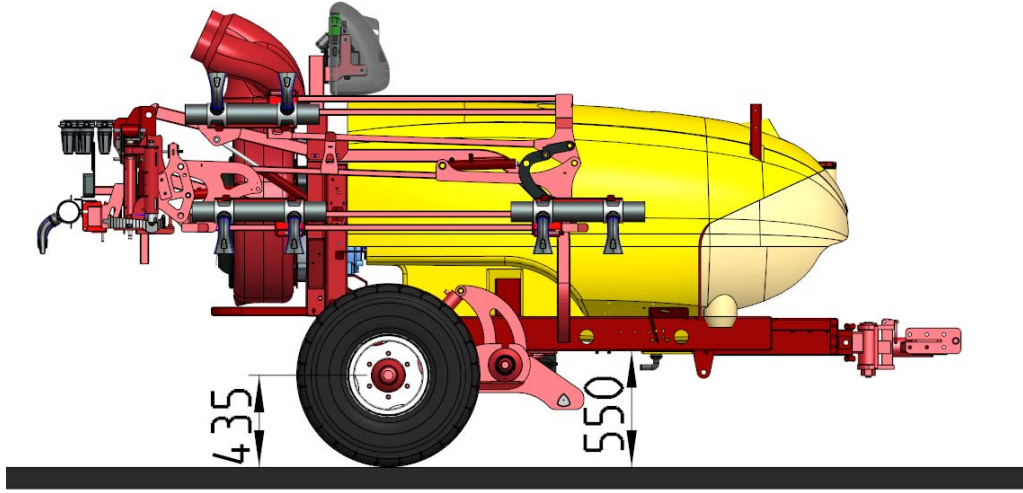
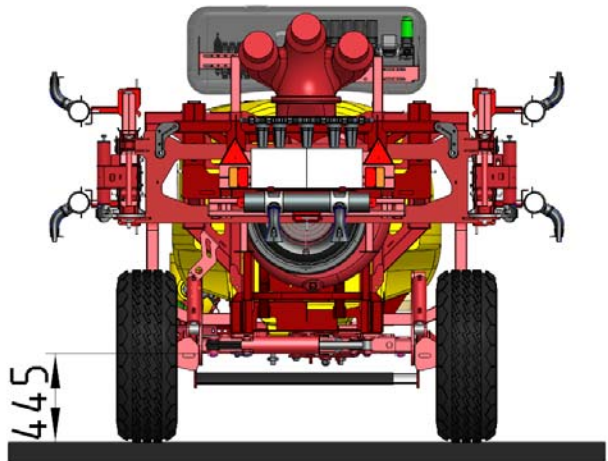
ZATURN rear perspective with booms in transport position



WHEELS-UP mechanism



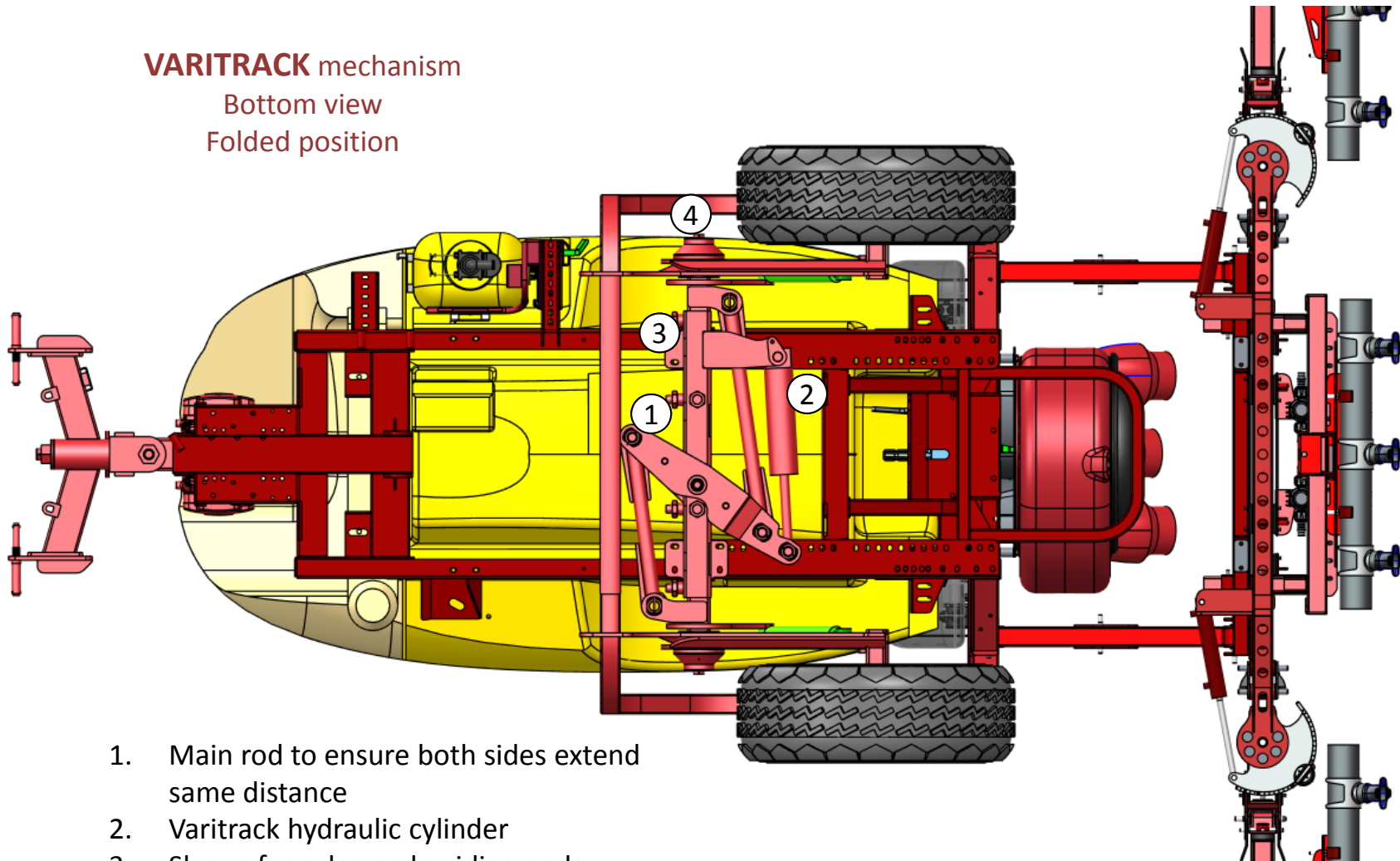
ZATURN 1500 CRONOS LOWCROP 9 m – 7 x PH2 -



VARITRACK mechanism

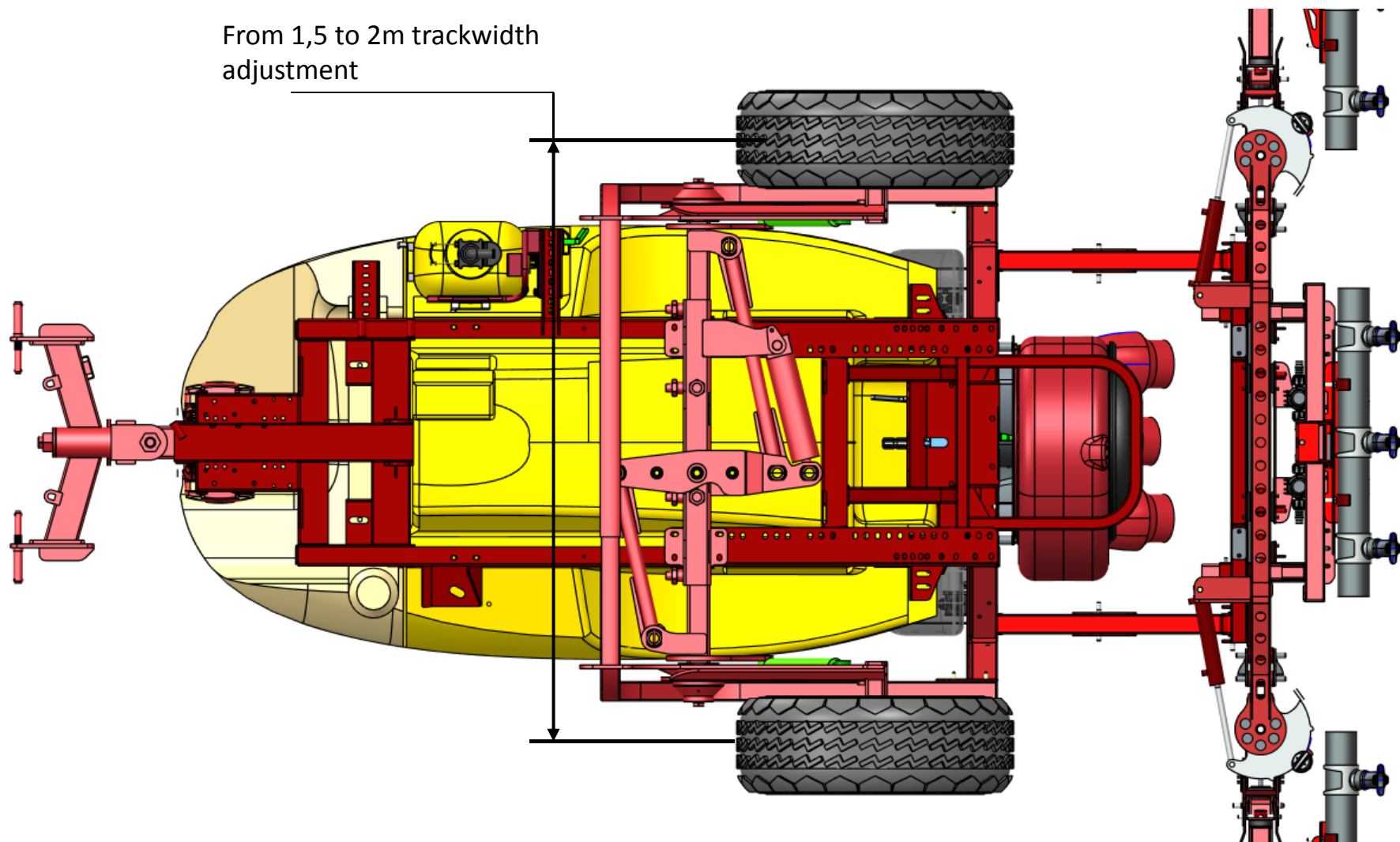
Bottom view

Folded position

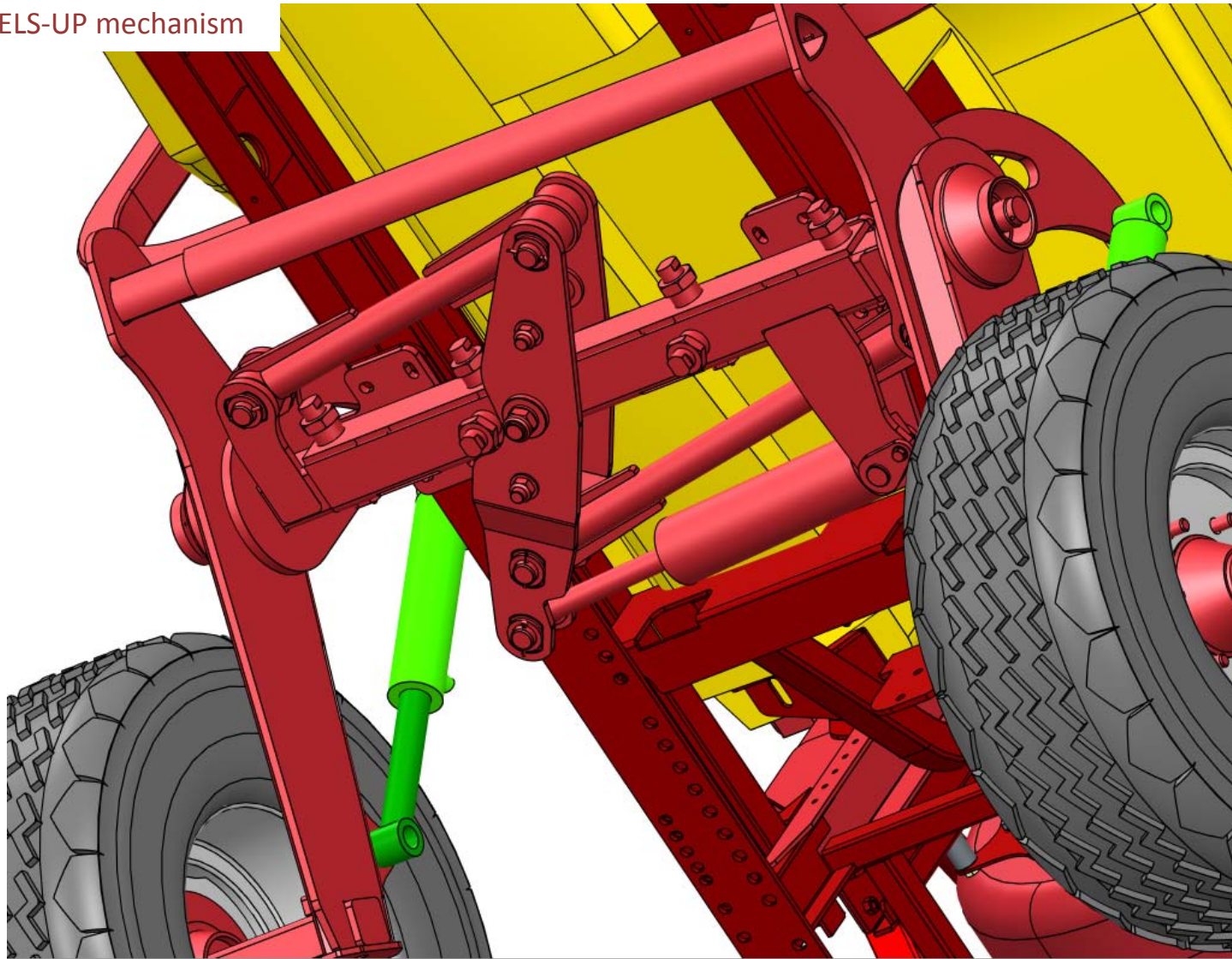


1. Main rod to ensure both sides extend same distance
2. Varitrack hydraulic cylinder
3. Sleeve for axles and guiding pads
4. Extensible axle

From 1,5 to 2m trackwidth adjustment



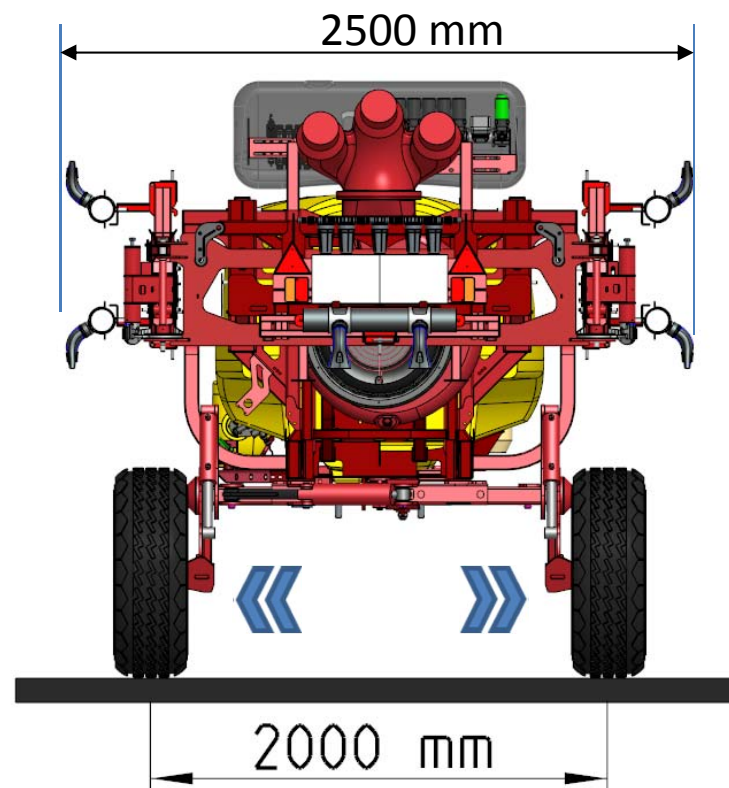
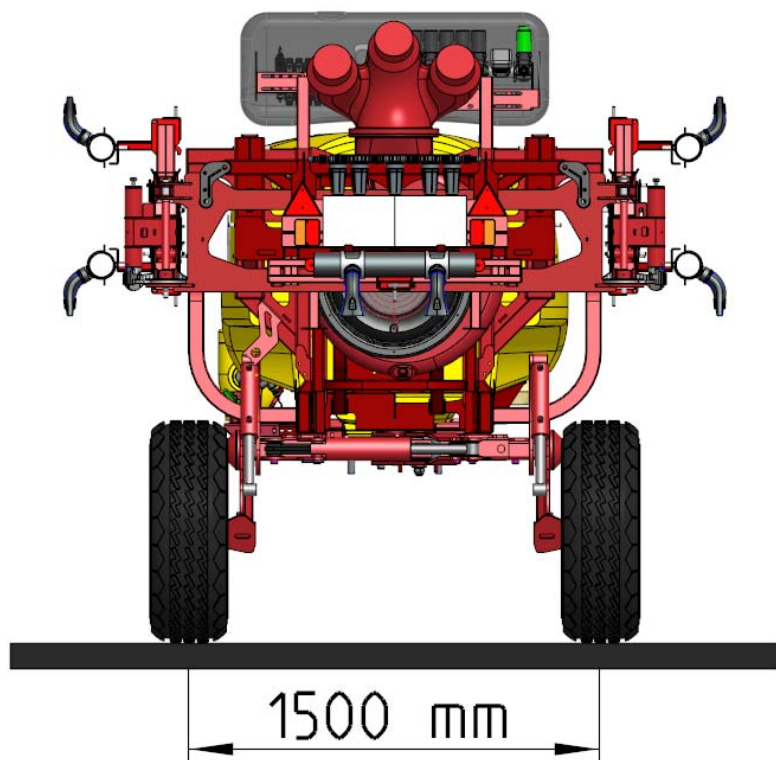
VARITRACK mechanism
And WHEELS-UP mechanism



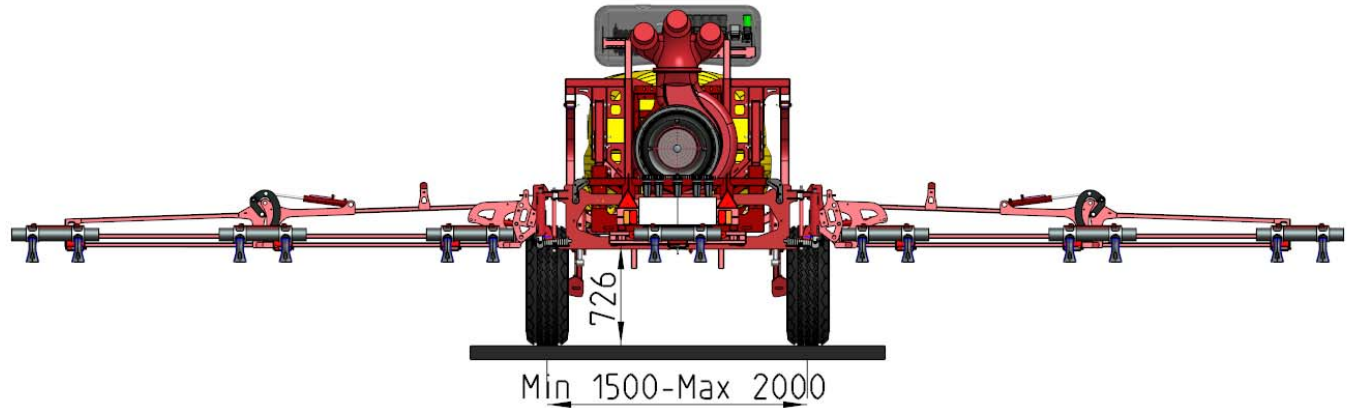
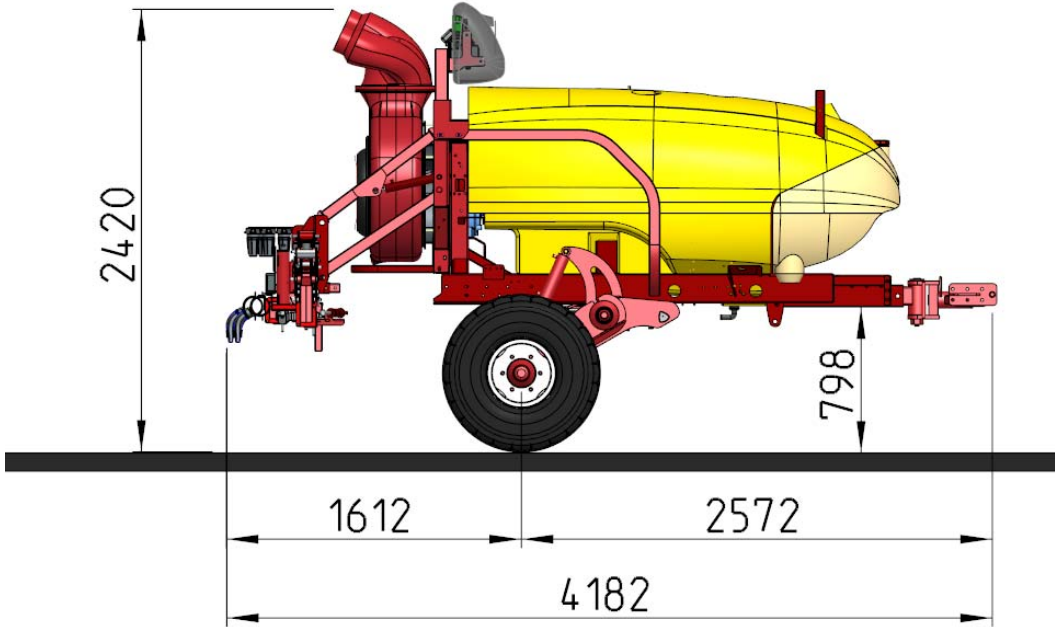
VARITRACK mechanism
And WHEELS-UP mechanism as
a separate assembly



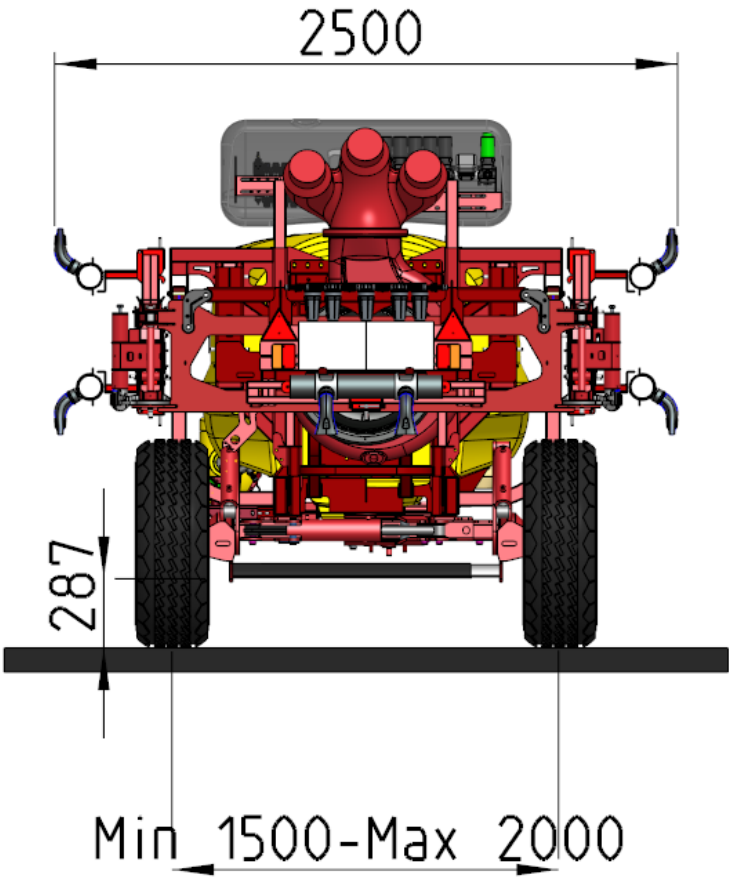
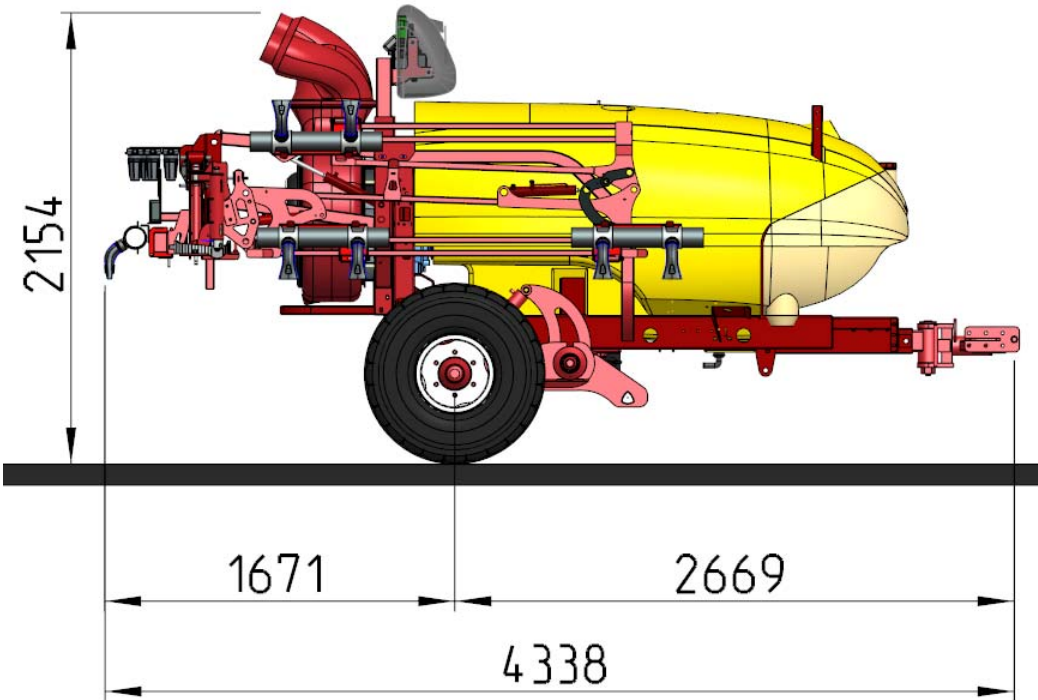
VARITRACK mechanism



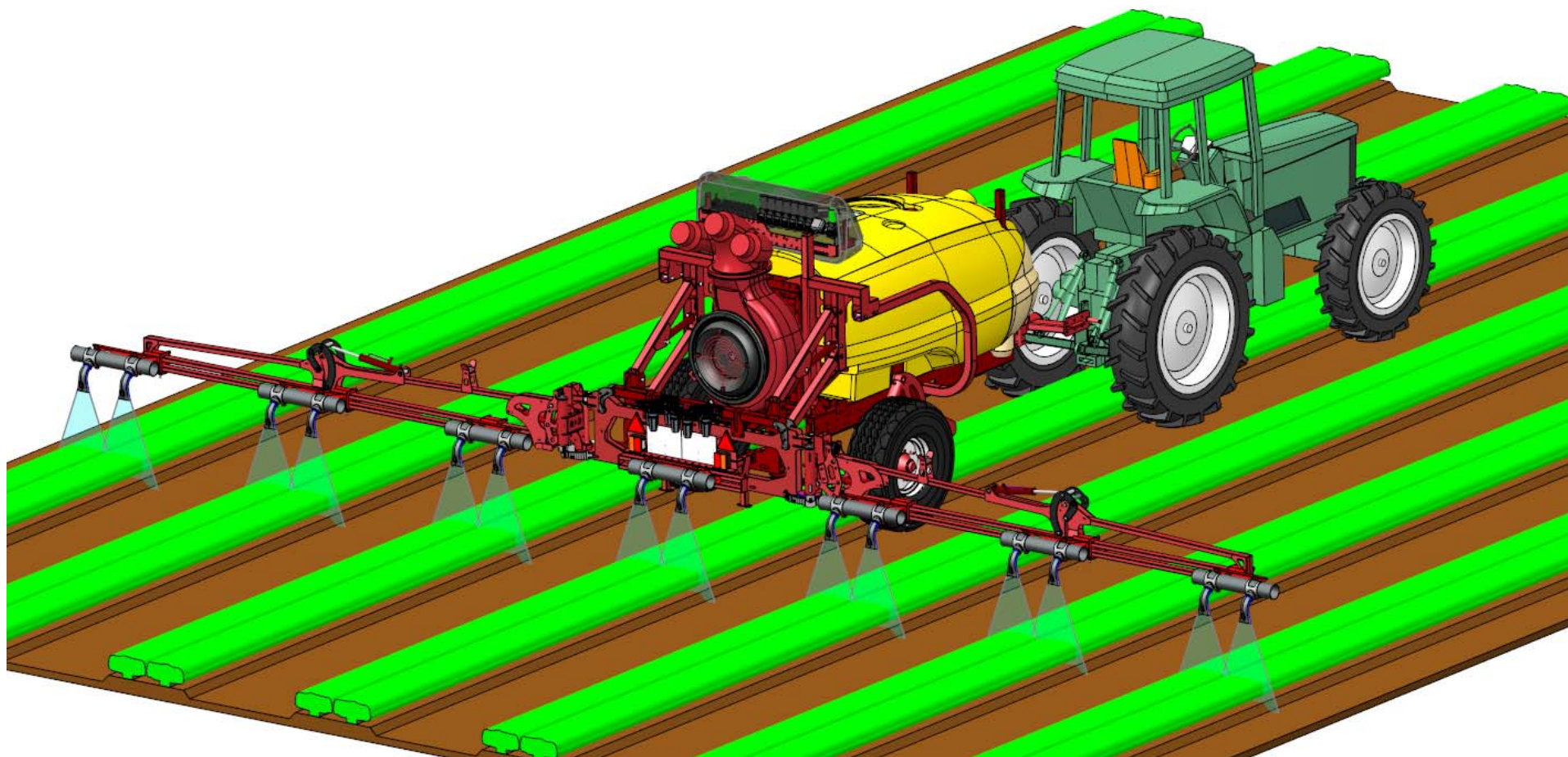
TRAILED ZATURN 1500 main dimensions



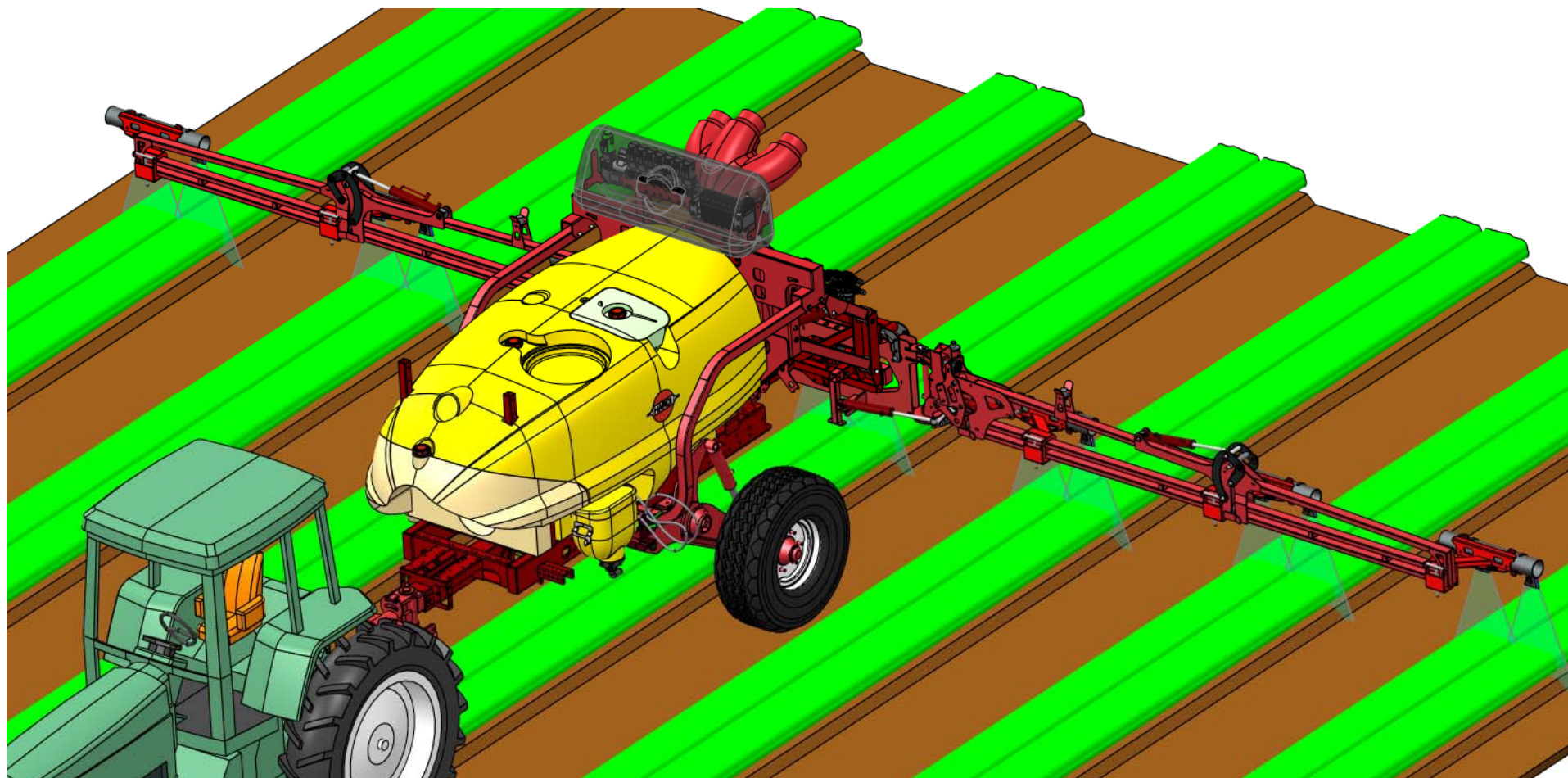
ZATURN 1500 OVERALL DIMENSIONS



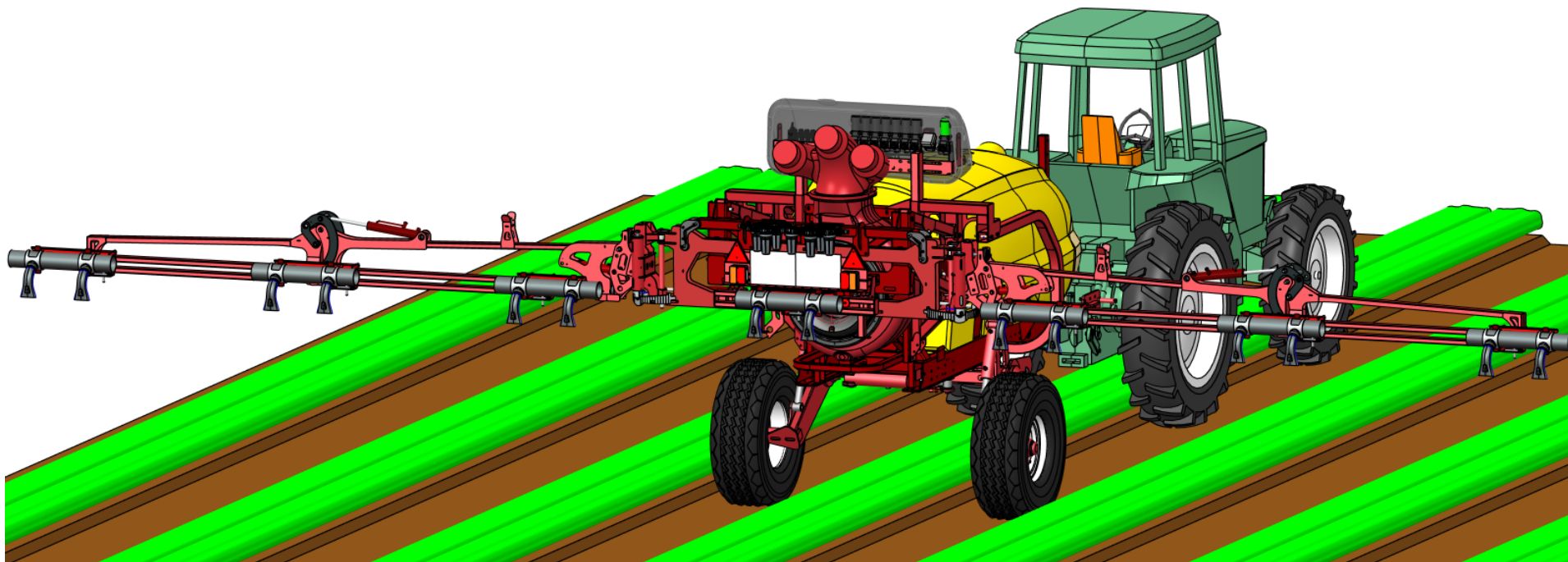
ZATURN 1500 CRONOS LOWCROP 9 m – 7 x PH2 -



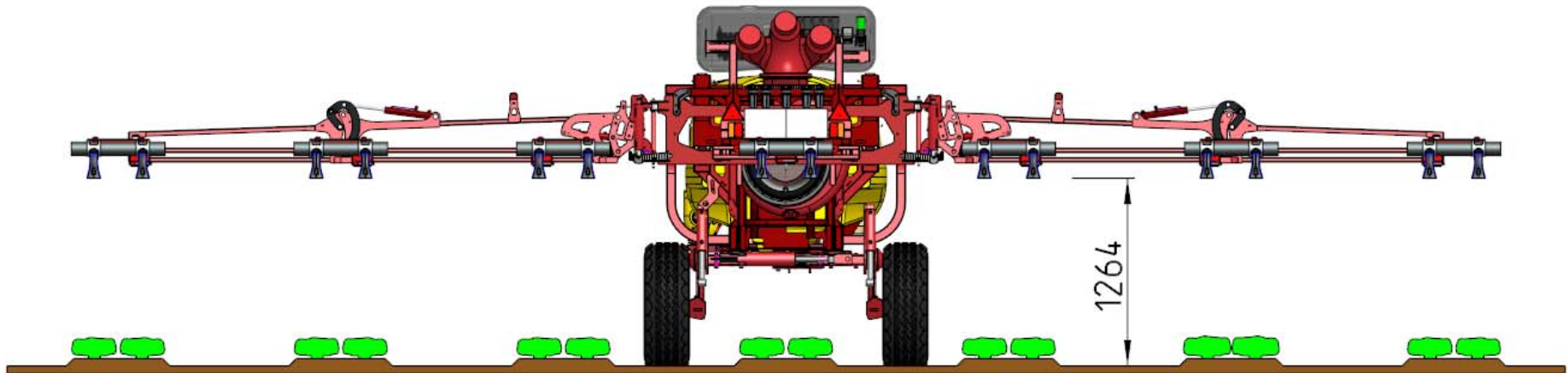
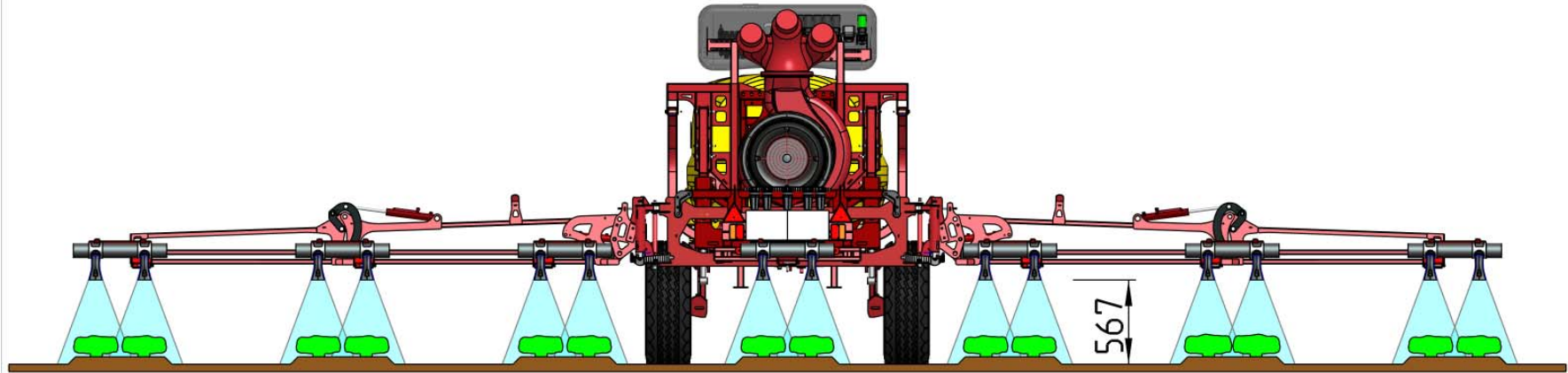
ZATURN 1500 CRONOS LOWCROP 9 m – 7 x PH2 -



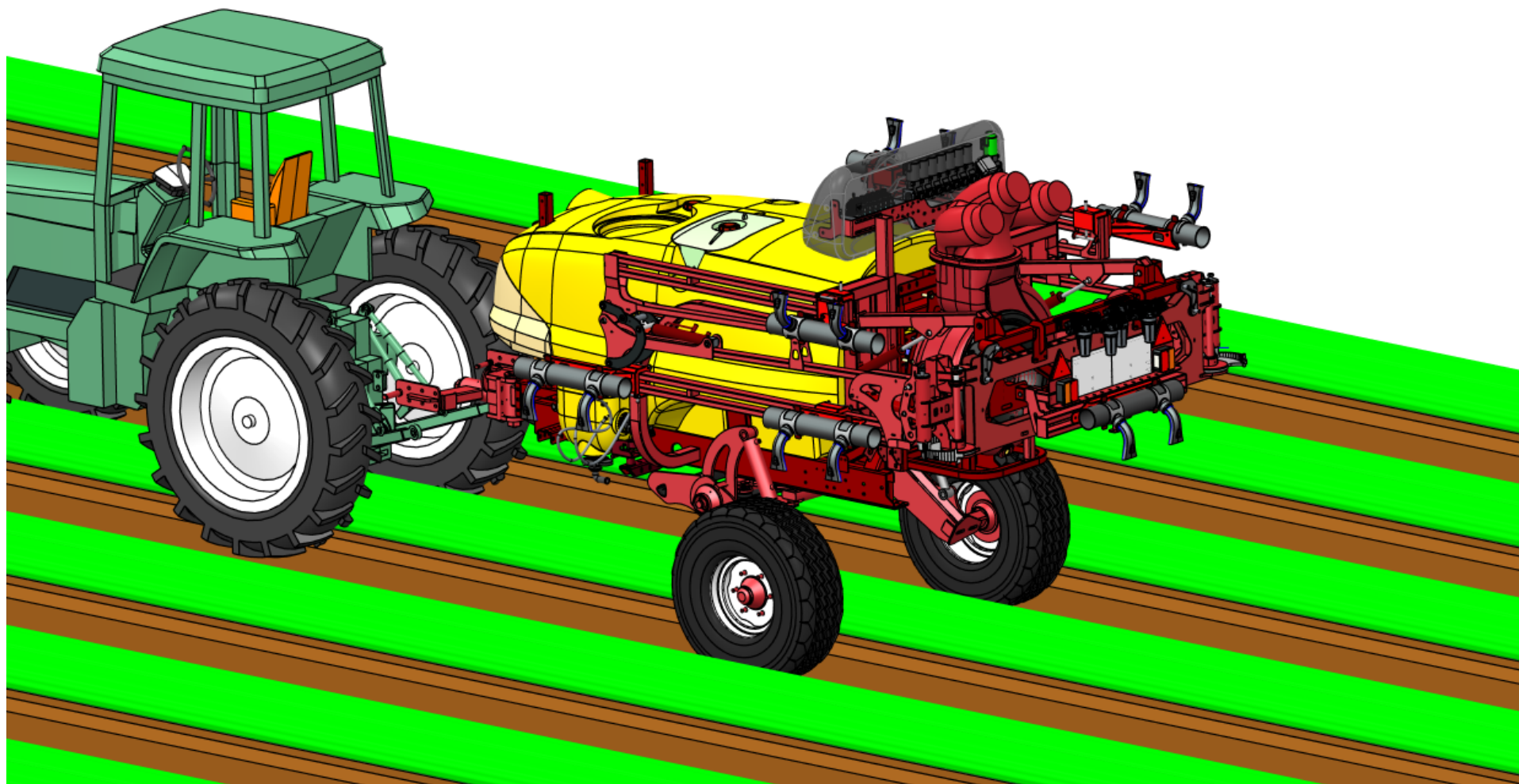
ZATURN 1500 CRONOS LOWCROP 9 m – 7 x PH2 -



Paralift stroke



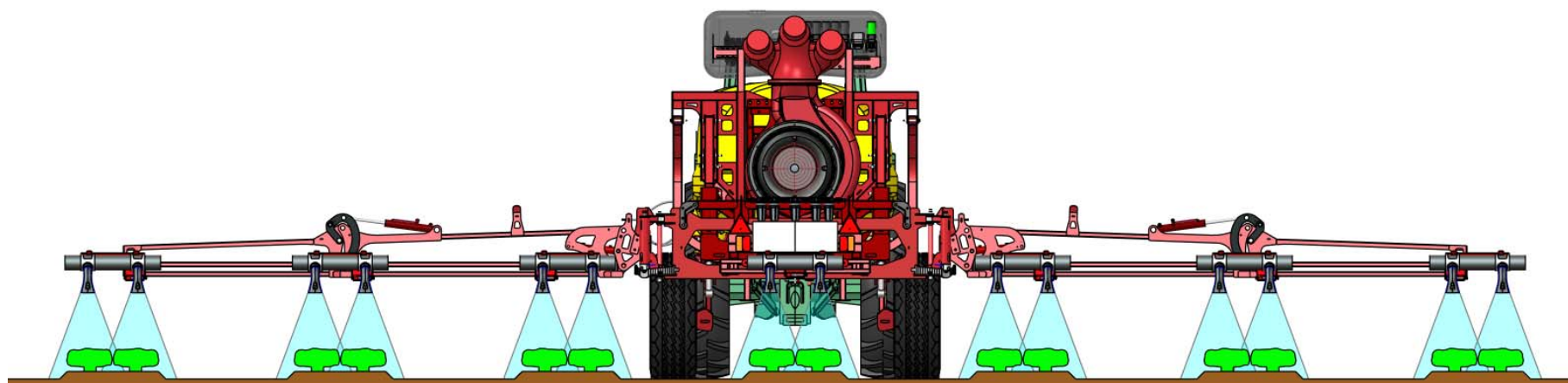
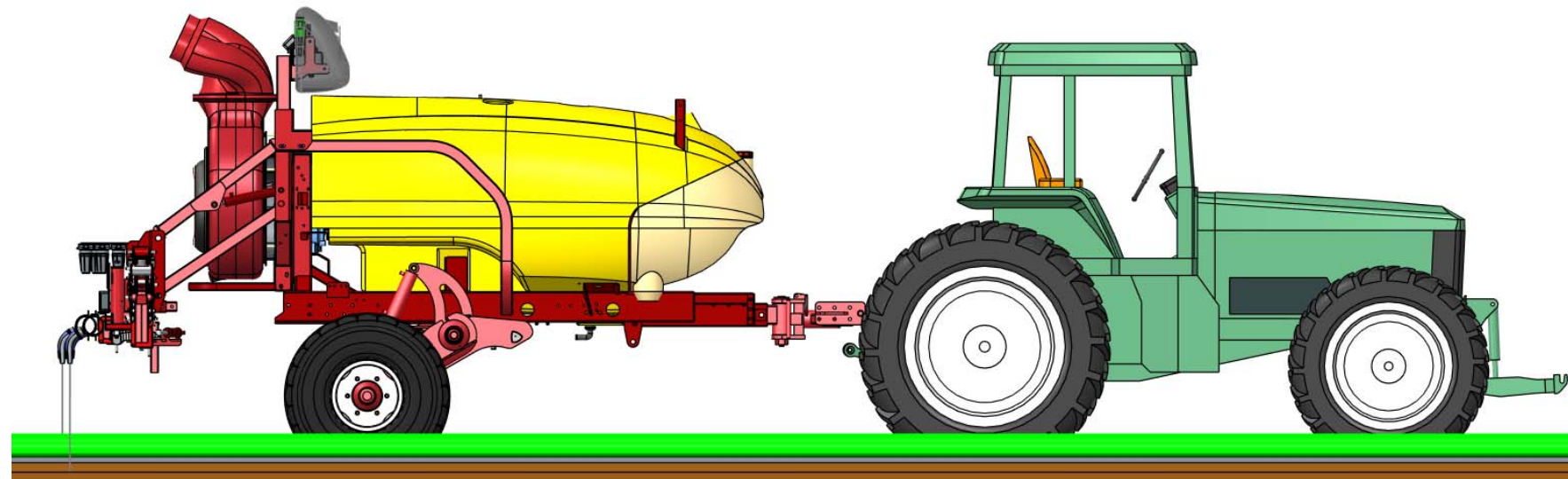
ZATURN 1500 CRONOS LOWCROP 9 m – 7 x PH2 -



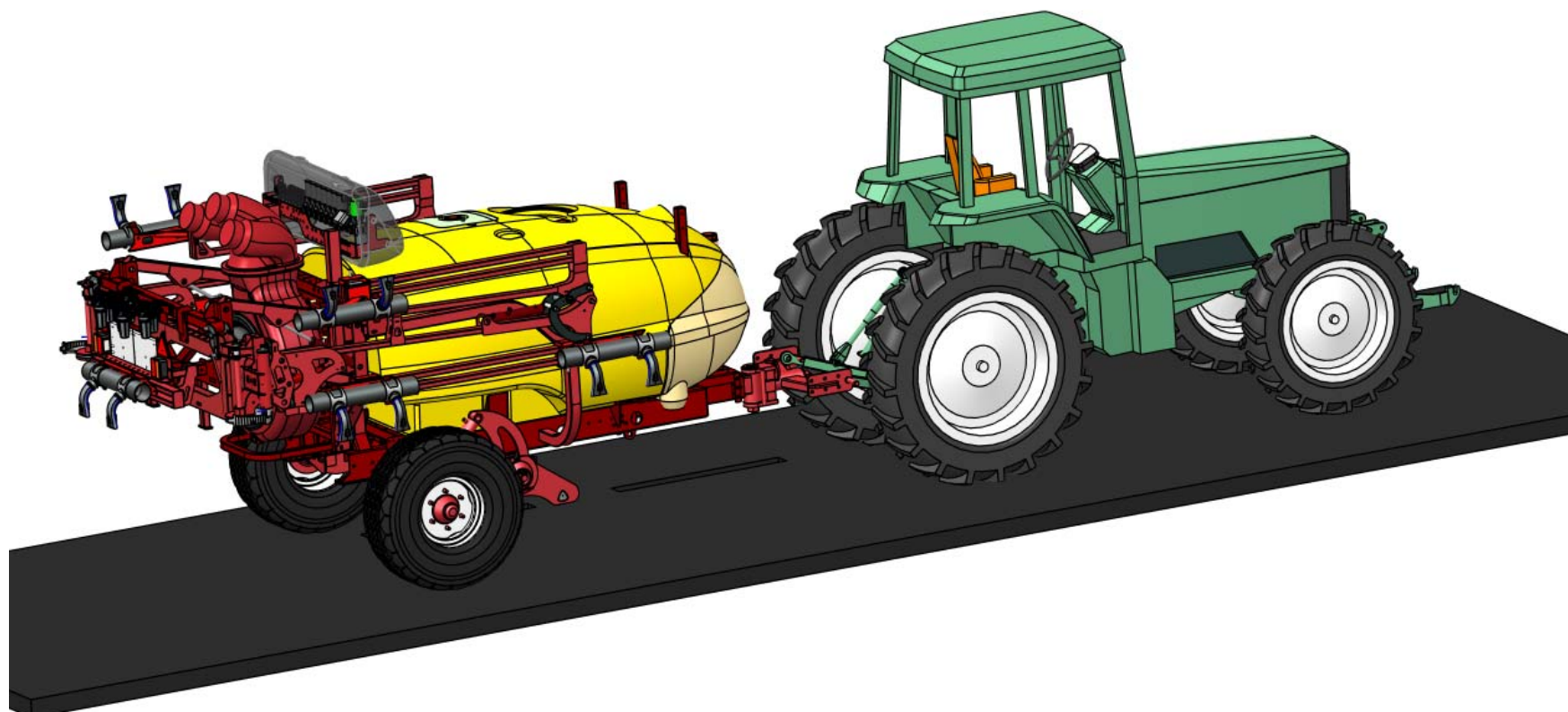
ZATURN 1500 CRONOS LOWCROP 9 m – 7 x PH2 -



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