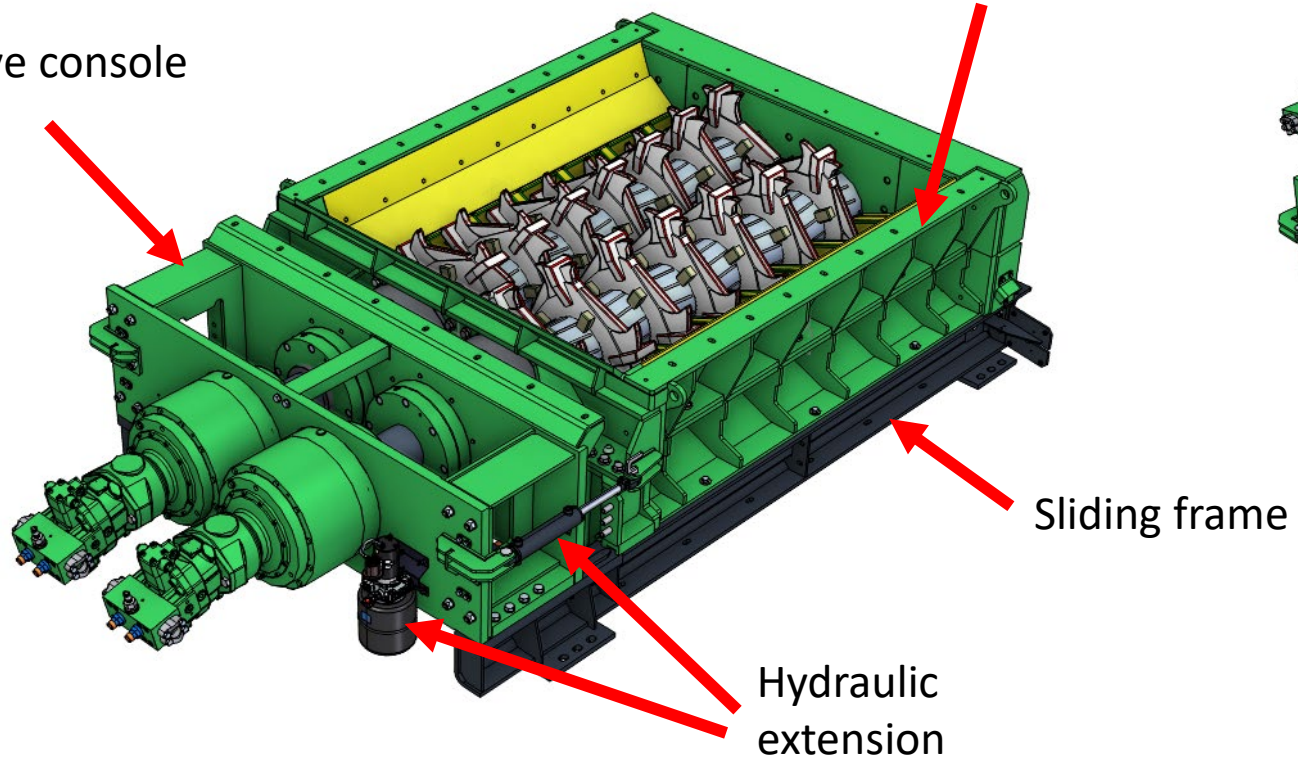
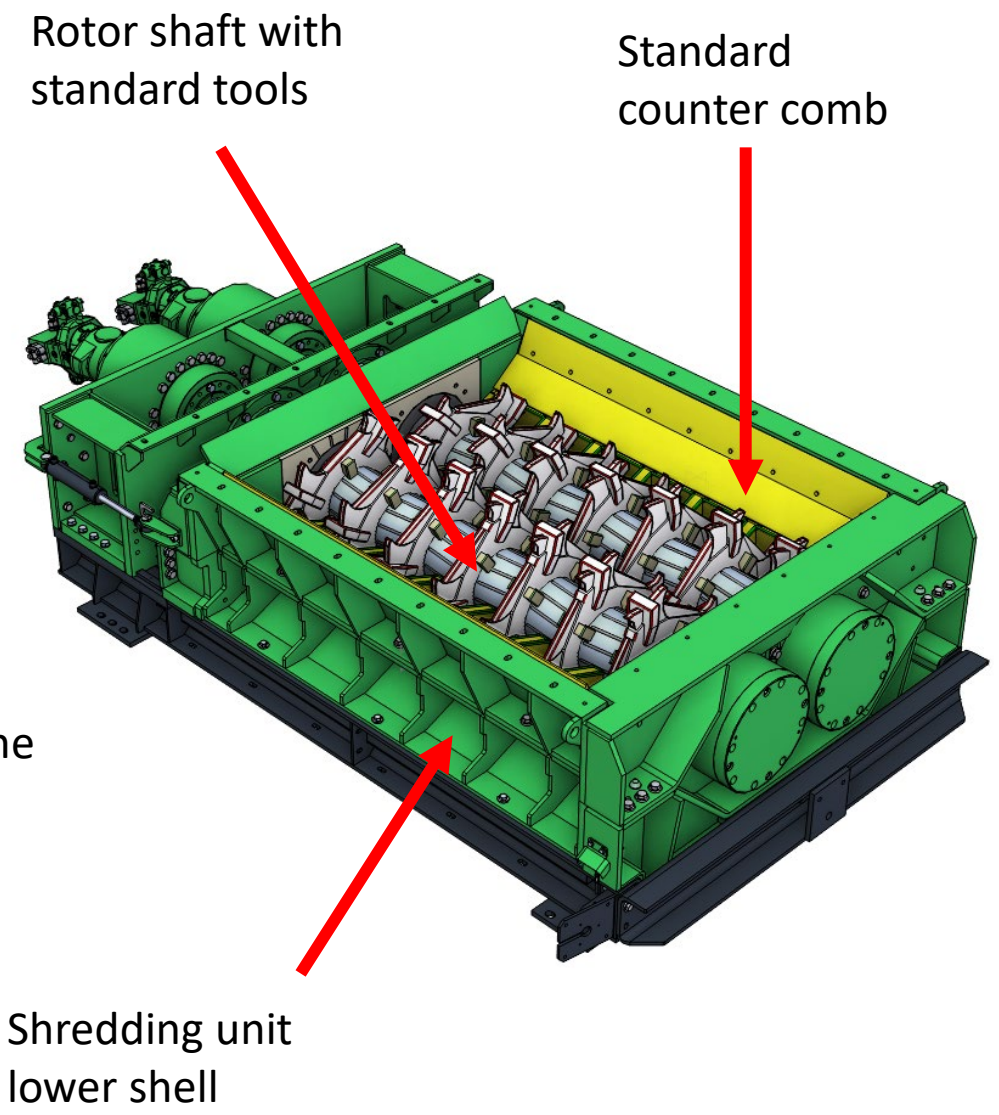
HAAS®
Recycling-Systems

TYRON Q QuickChange

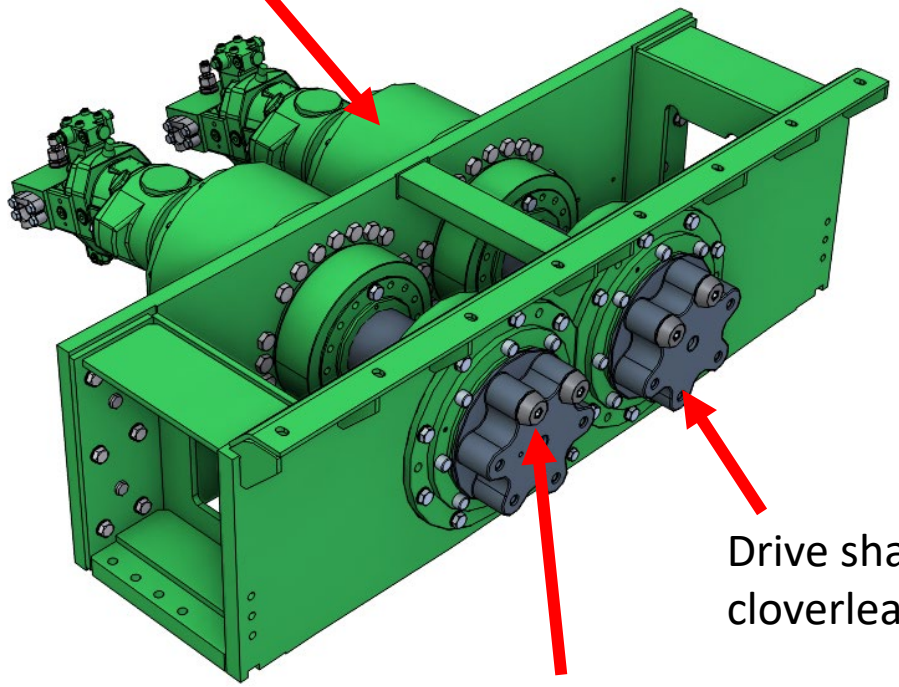
Overview


Drive console
Shredding unit upper shell
Sliding frame
Hydraulic extension


Rotor shaft with standard tools
Standard counter comb
Shredding unit lower shell

Drive unit

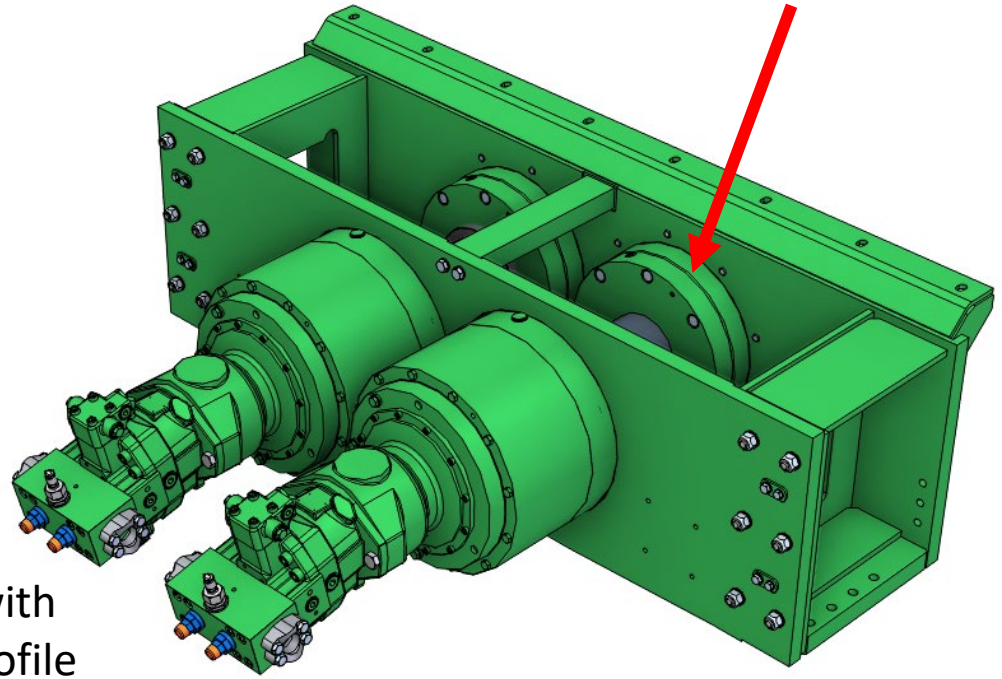
Standard planetary gear GMH0110



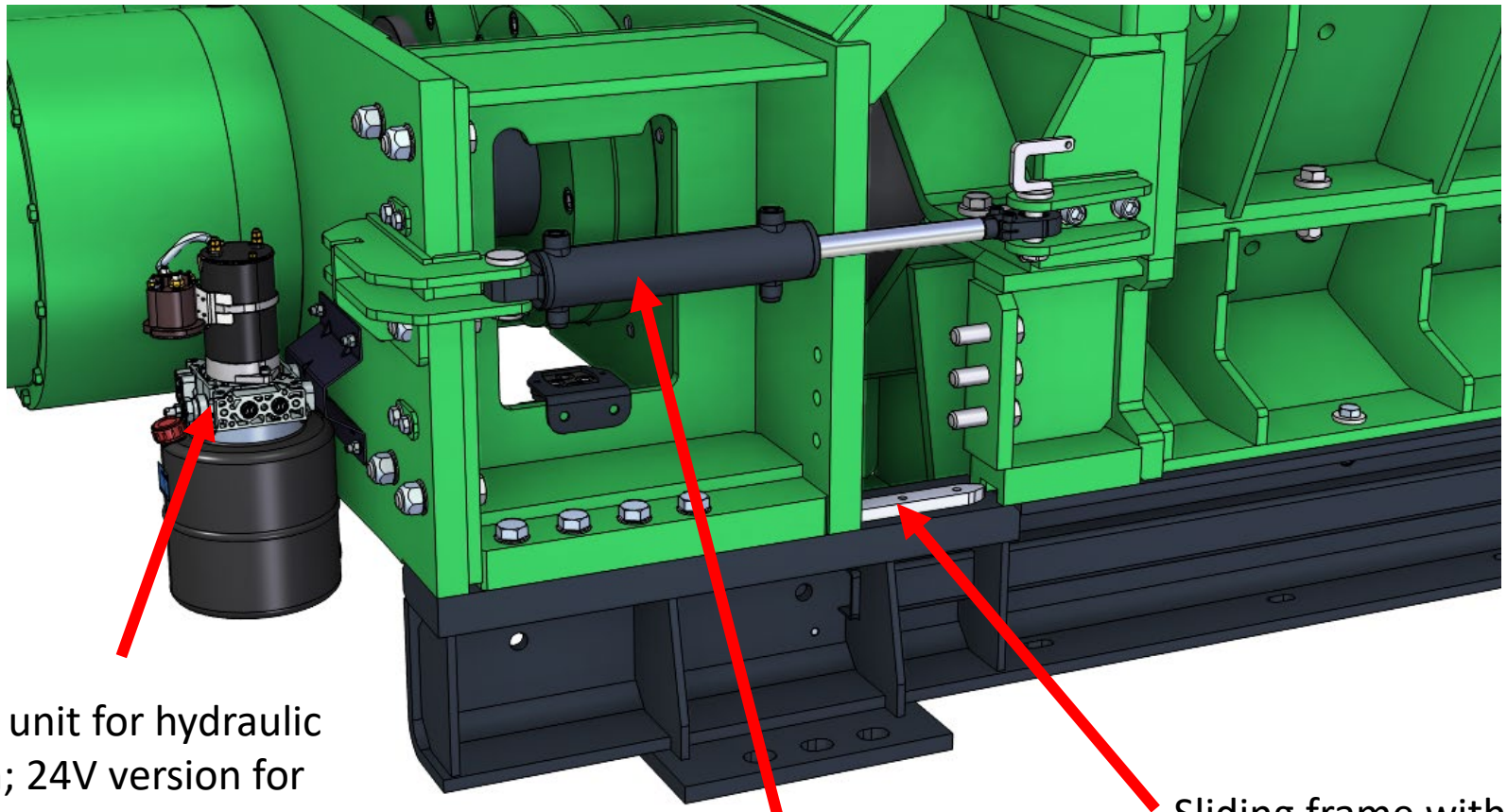
Guide pin for independent positioning of the shredding shaft

Drive shaft with cloverleaf profile

Large drive shaft bearing that absorbs the shredding forces



Sliding frame – Hydraulic extension

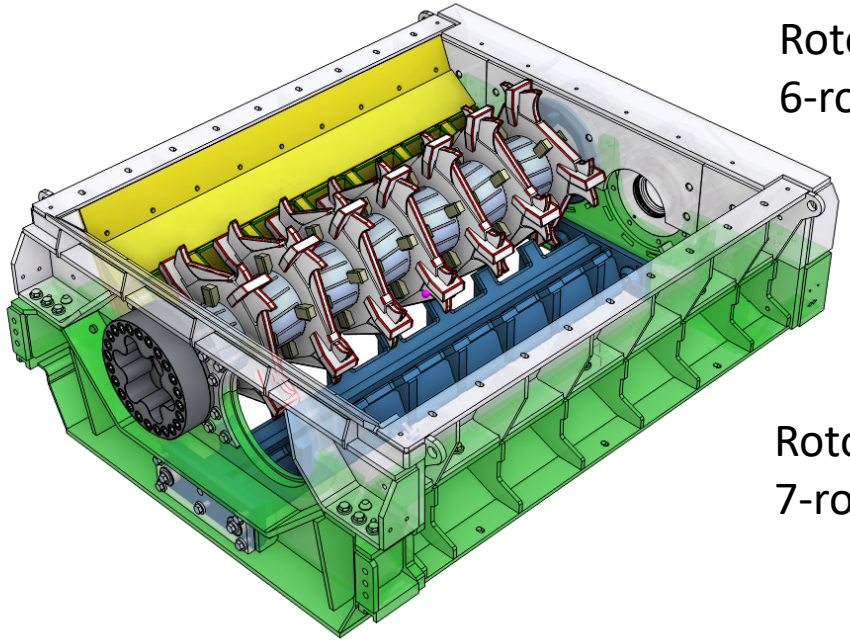


Hydraulic unit for hydraulic extension; 24V version for mobile primary shredders, 230V for stationary systems

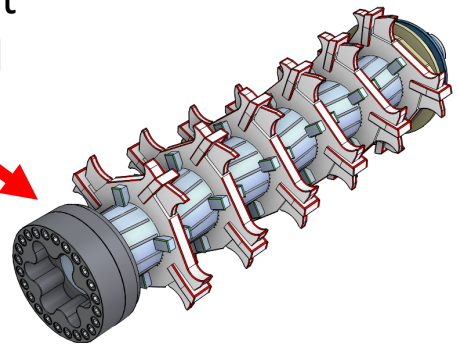
Hydraulic cylinder for extending the shredding unit

Sliding frame with guide rail for easy centring of the shredder to the drive unit

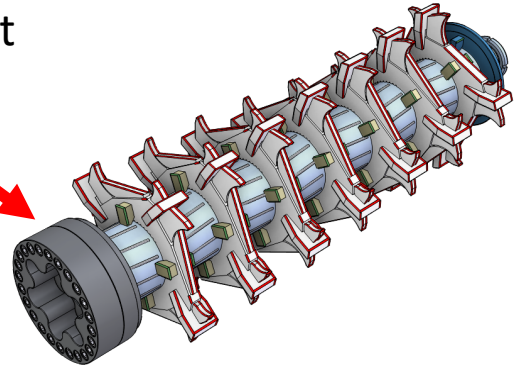
Shredding unit – tool configurations



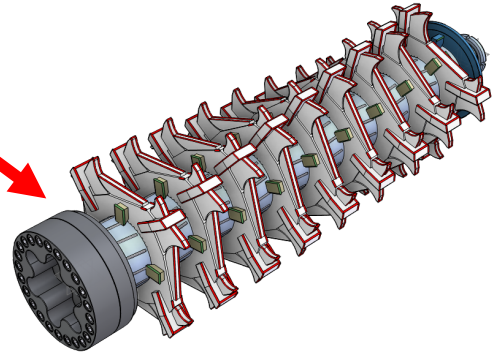
Rotor shaft
6-row tool



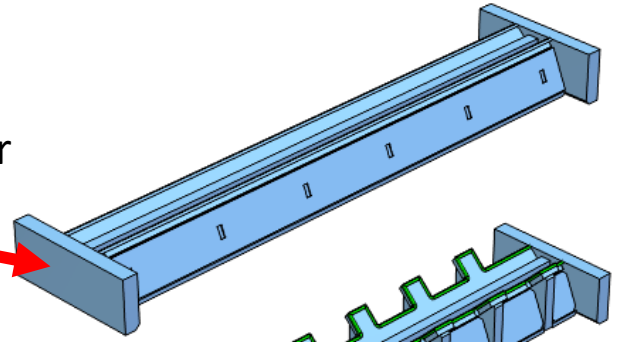
Rotor shaft
7-row tool



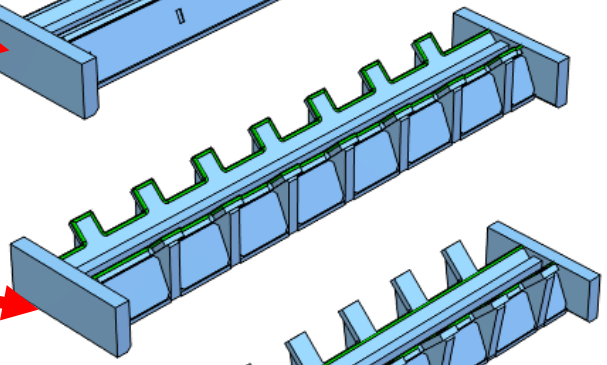
Rotor shaft
9-row tool



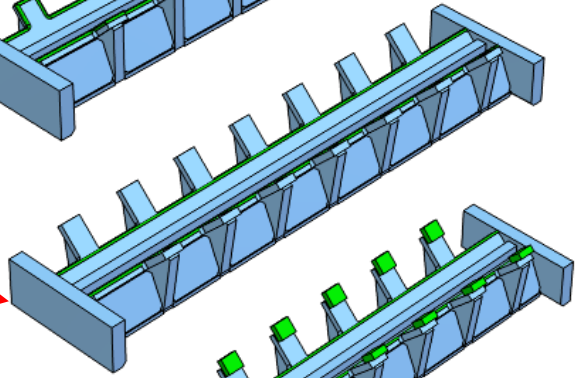
Breaker bar
„coarse“



Breaker bar
„standard“



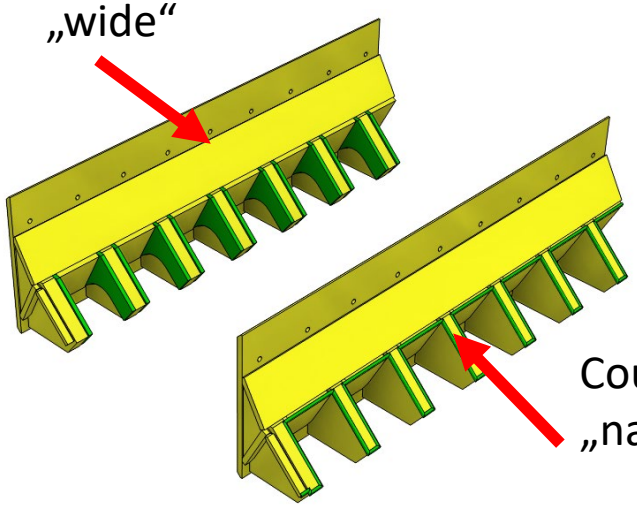
Breaker bar
„fine“



Breaker bar
„extra fine“

Counter comb
„wide“

Counter comb
„narrow“



Example: Removal of the shredding shafts

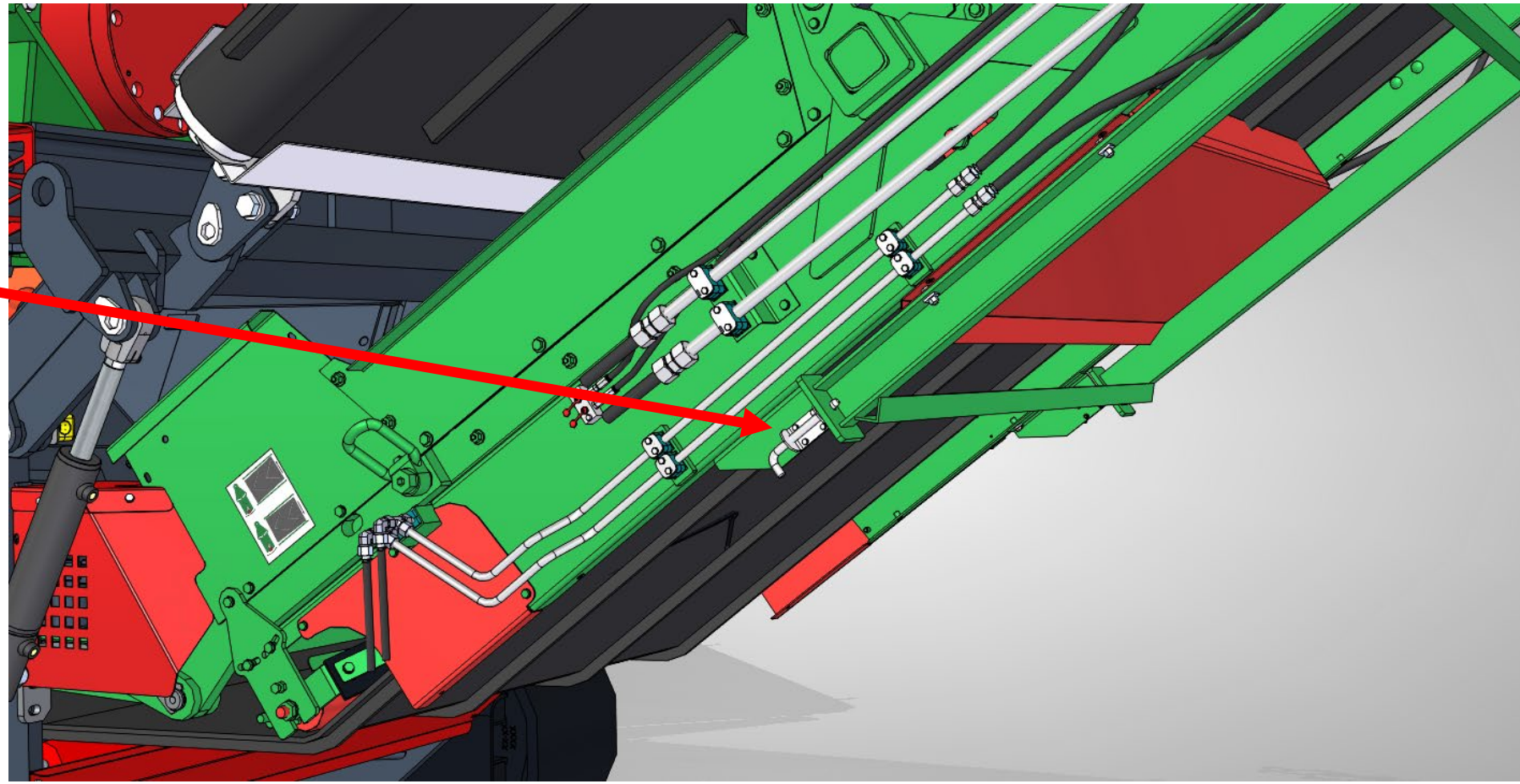
HAAS Recycling-Systems

TYRON

QuickChange

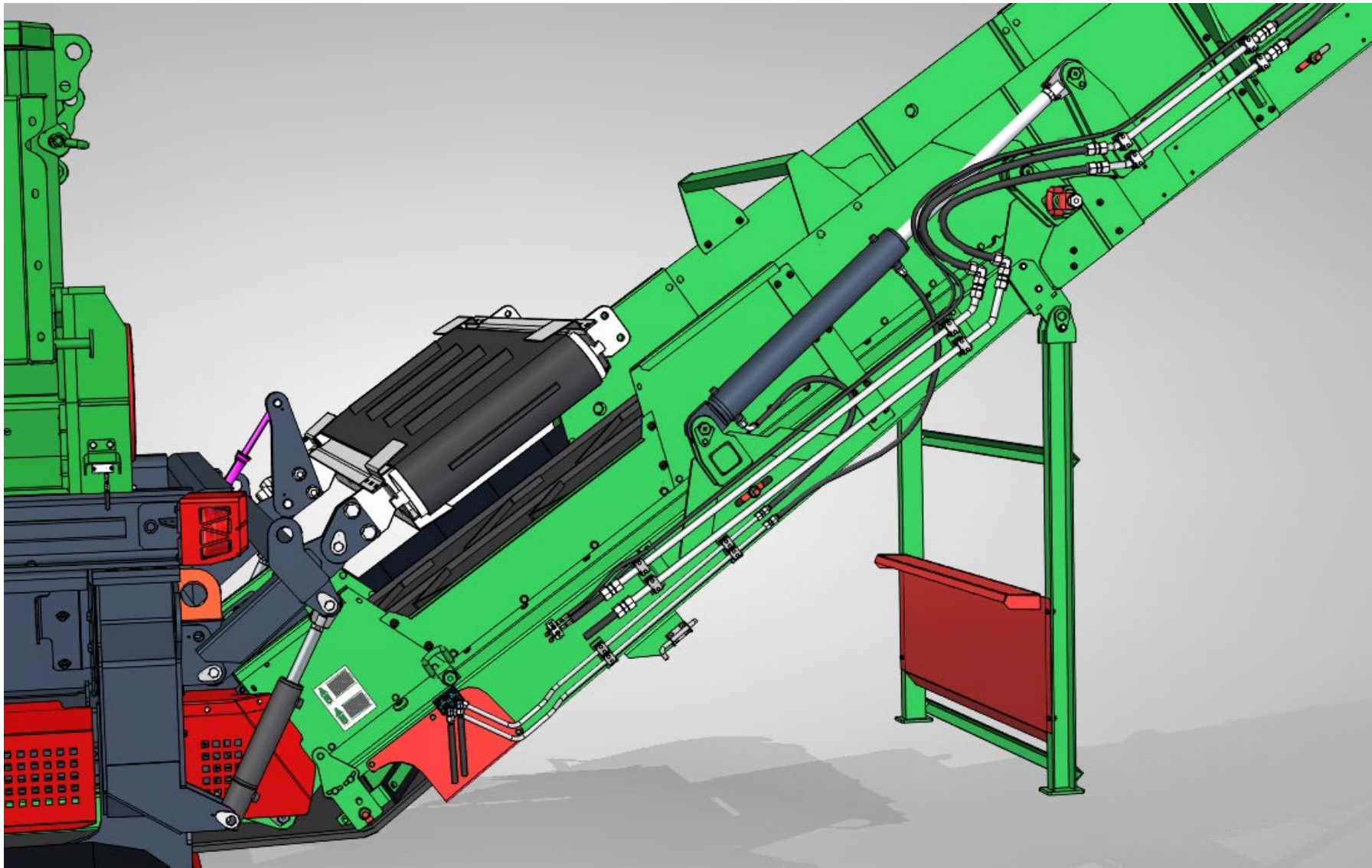
Step 1

Unlocking the folding belt support



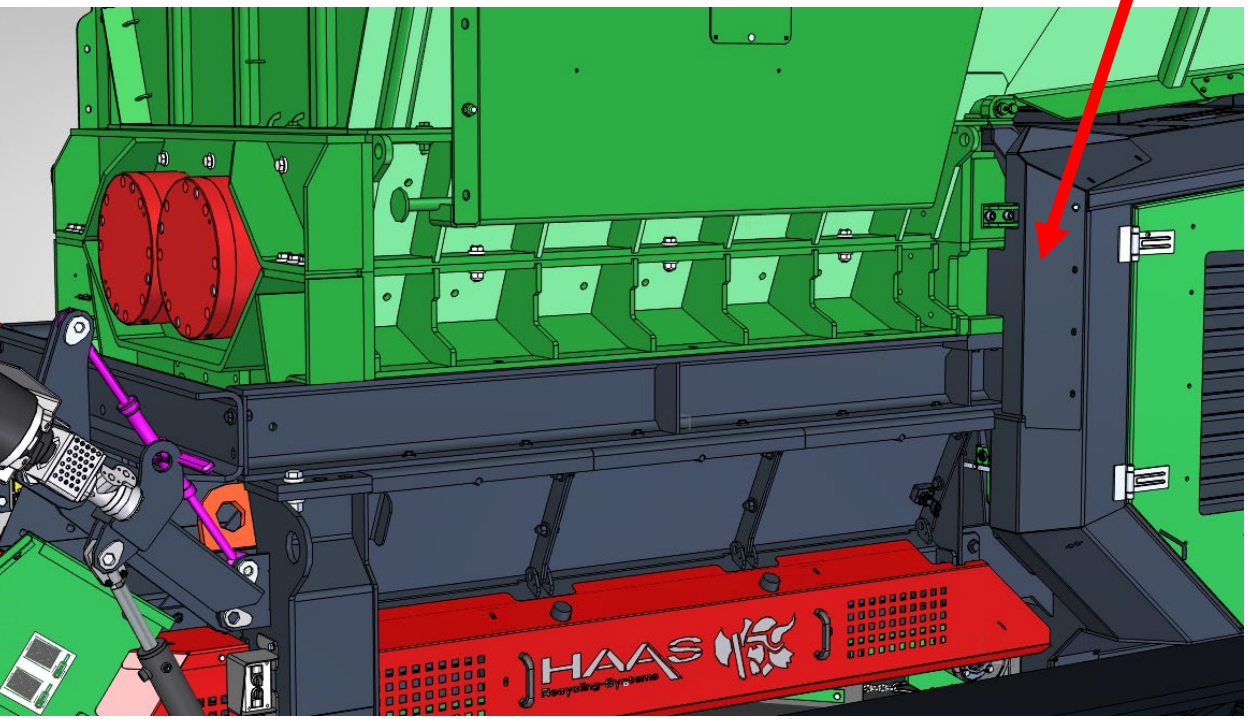
Step 2

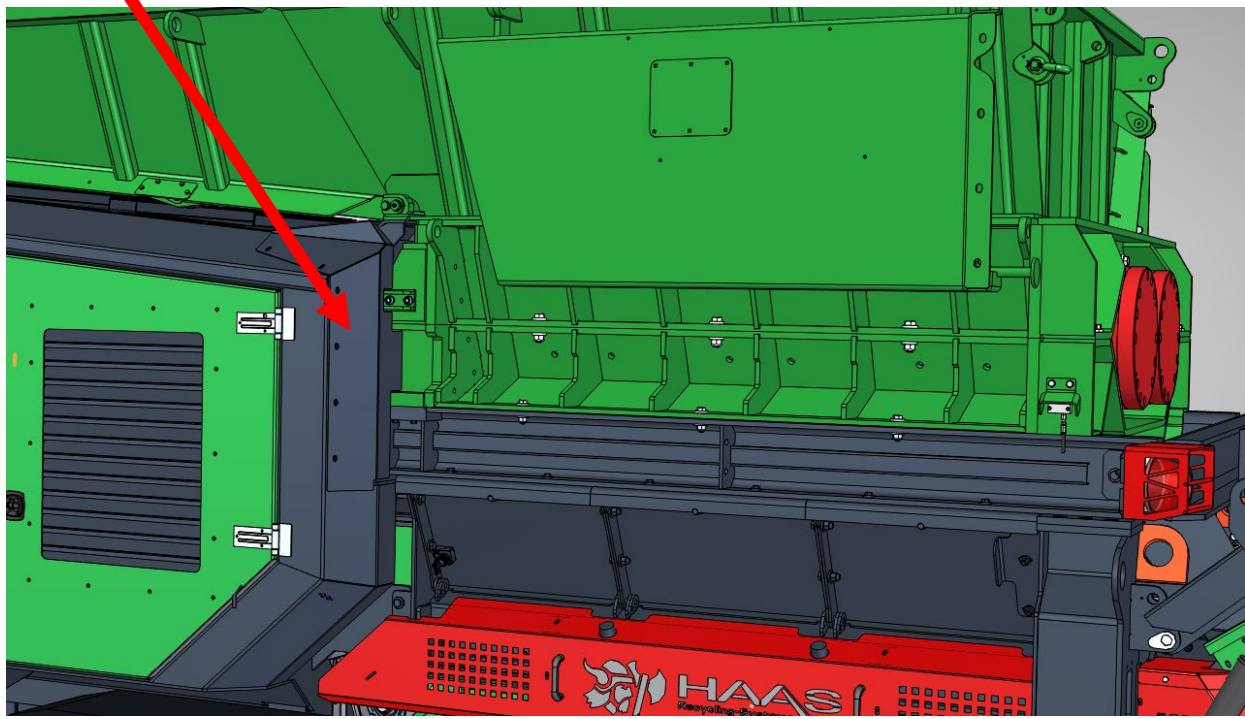
Remove chain suspension and place discharge conveyor on hinged support



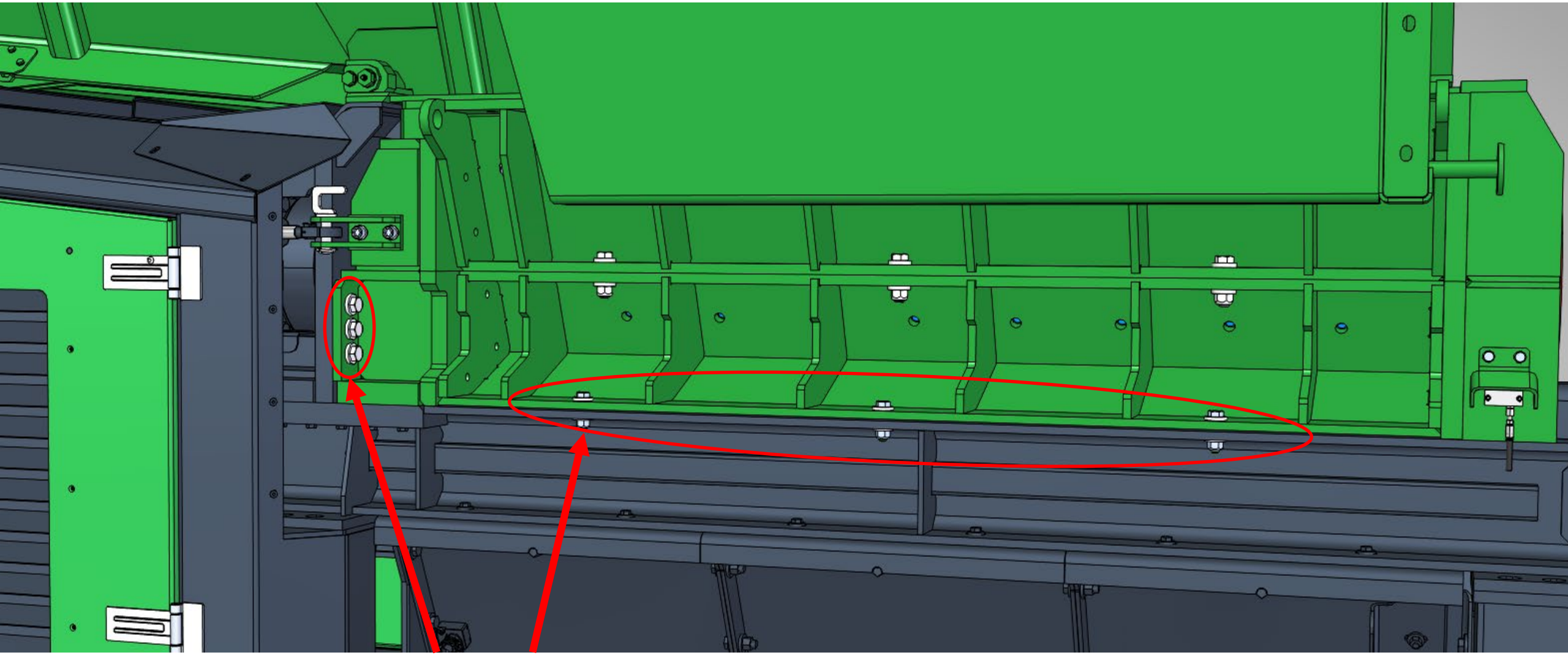
Step 3

Remove the cover plates on both sides of the machine.





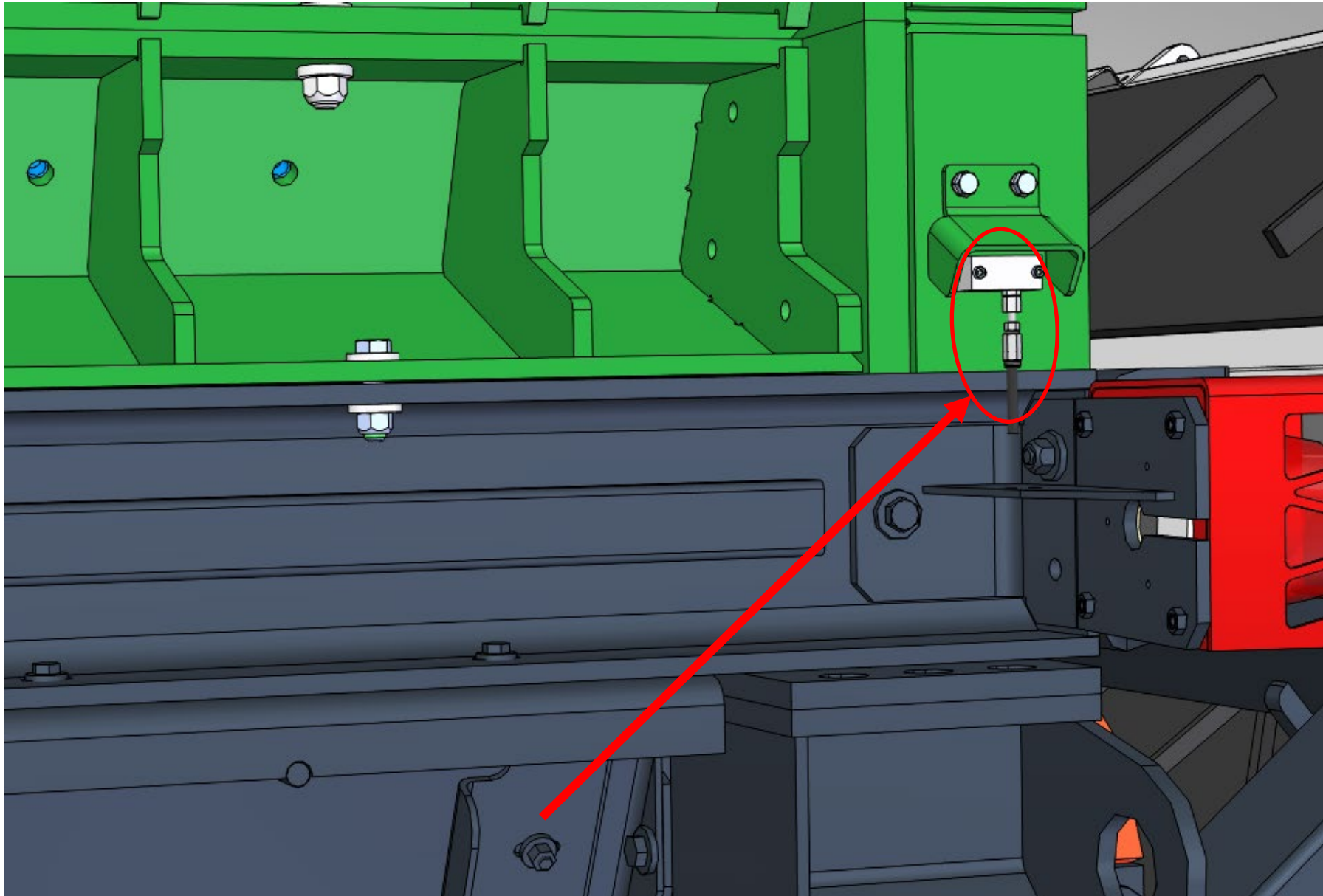
Step 4



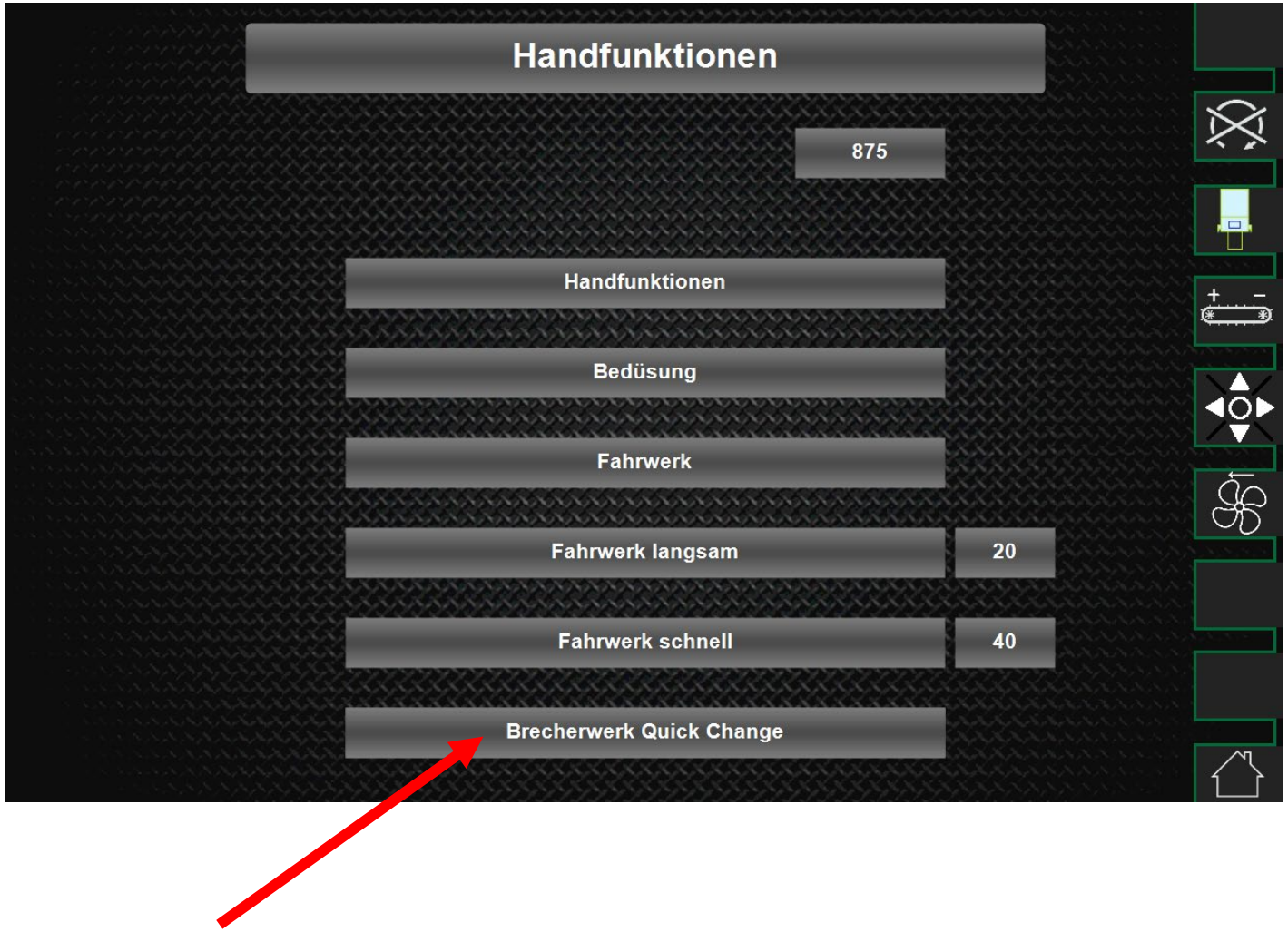
Remove the fastening screws between the shredding unit and frame on both sides.

Step 5

Remove lubrication conduits for final storage.



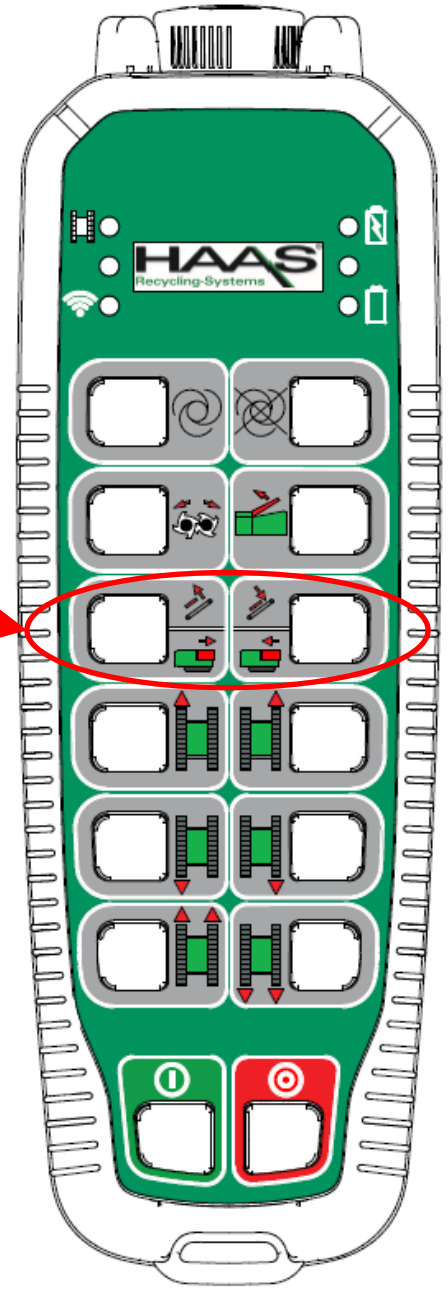
Step 6



Switch on the ignition and select the ‘Shredding unit Quick Change’ function.

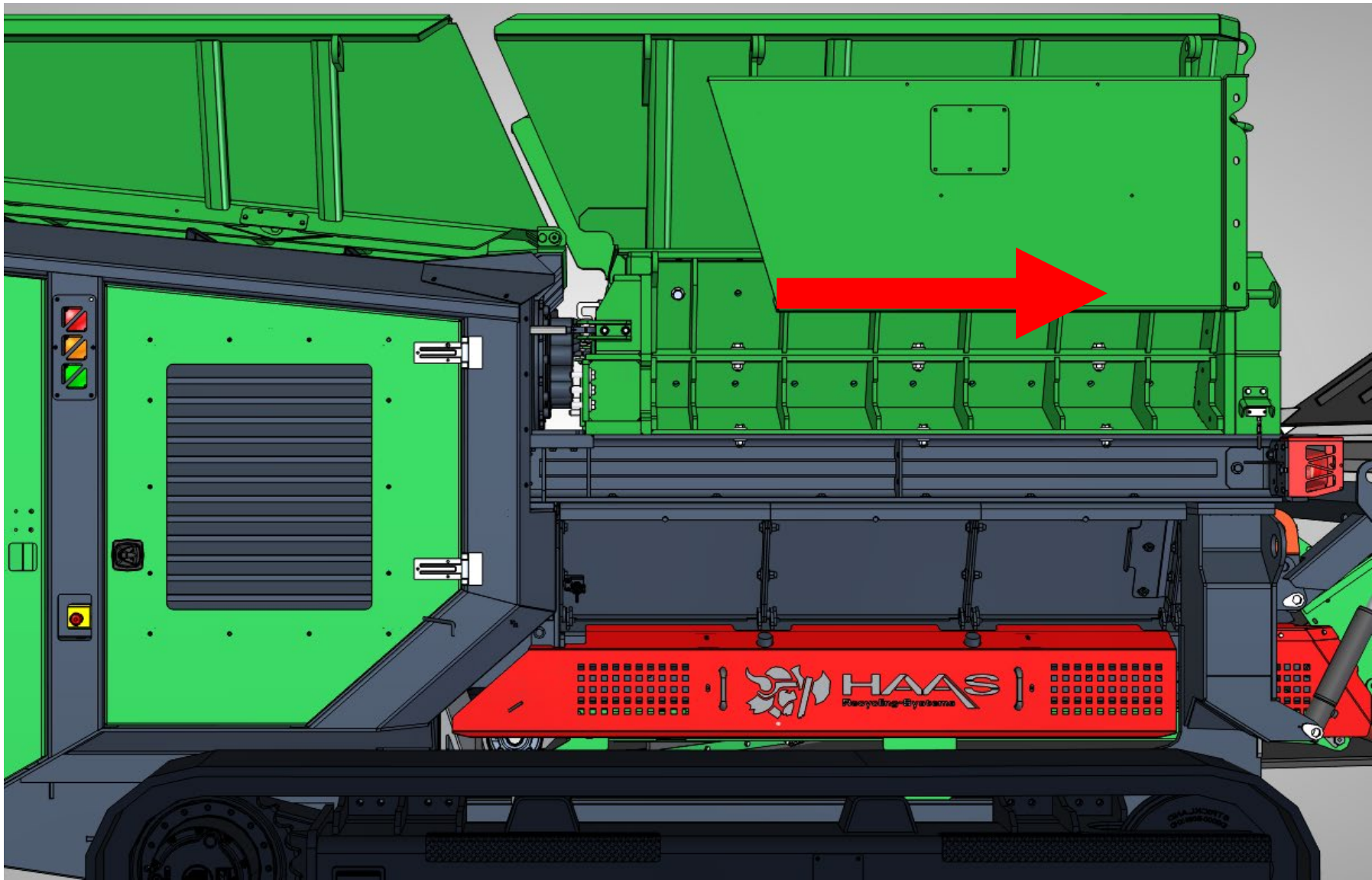
Step 7

The shredding unit can now be extended using the radio remote control.



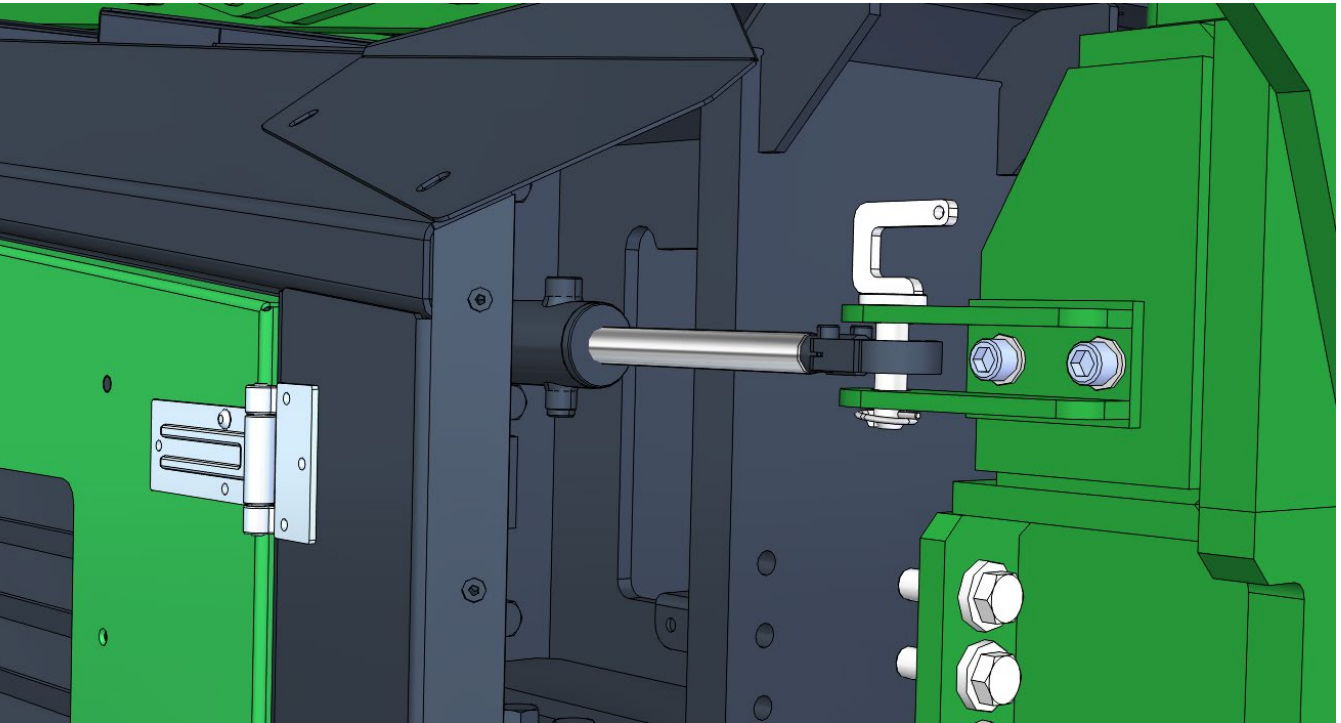
Step 8

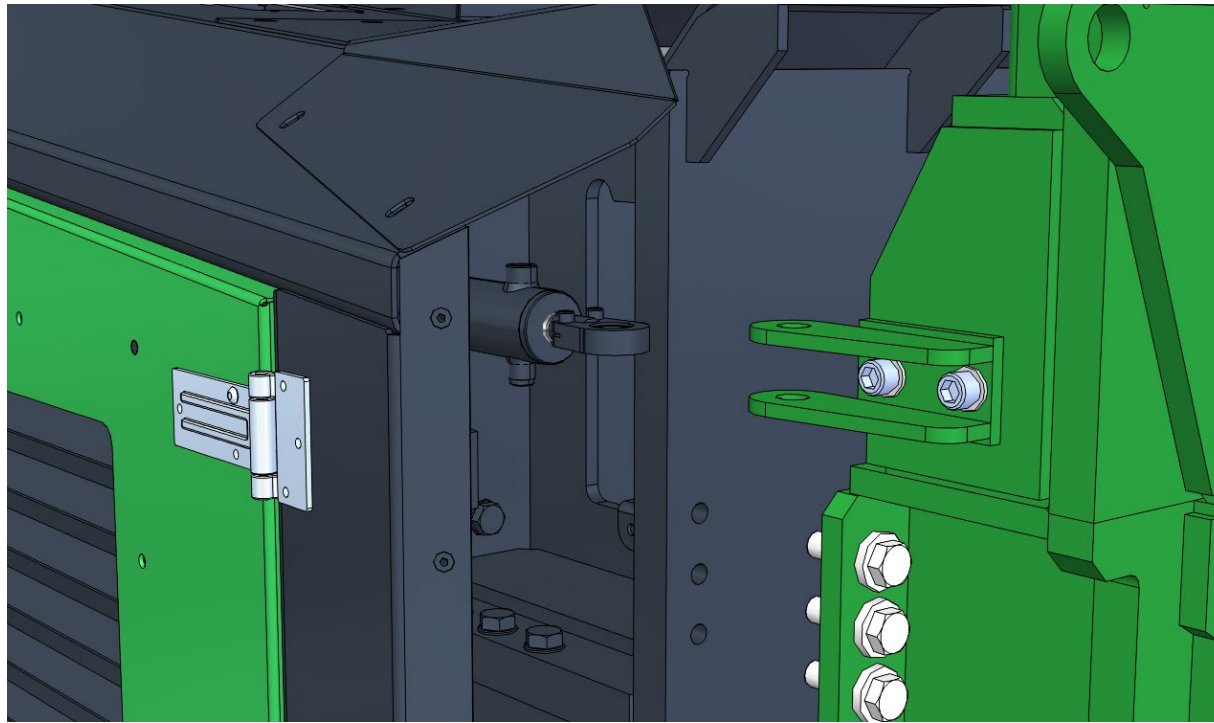
The shredding unit now moves forwards, including the hopper and hopper extension.



Step 9

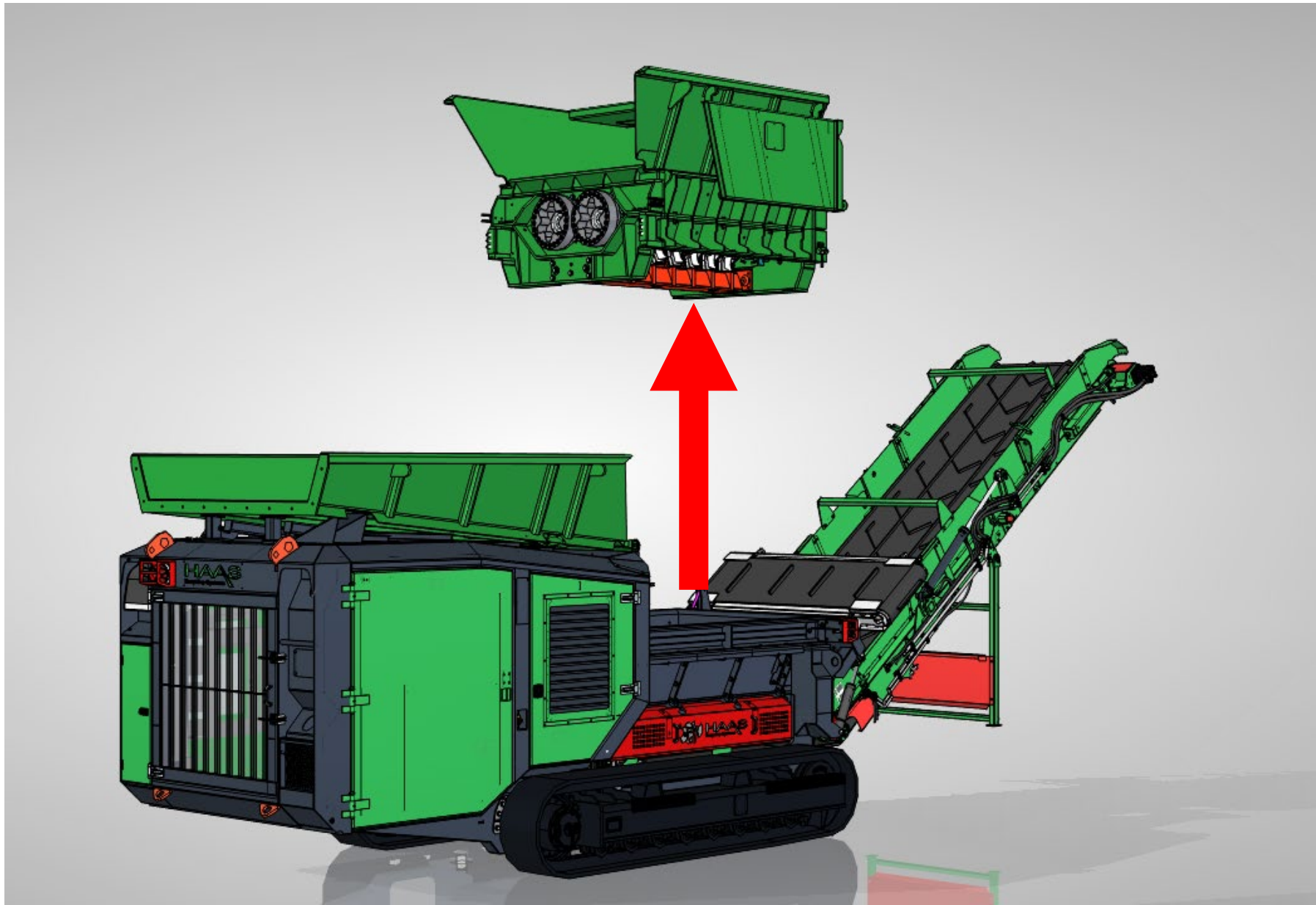
Remove the bolts on both sides of the machine and retract the cylinders.





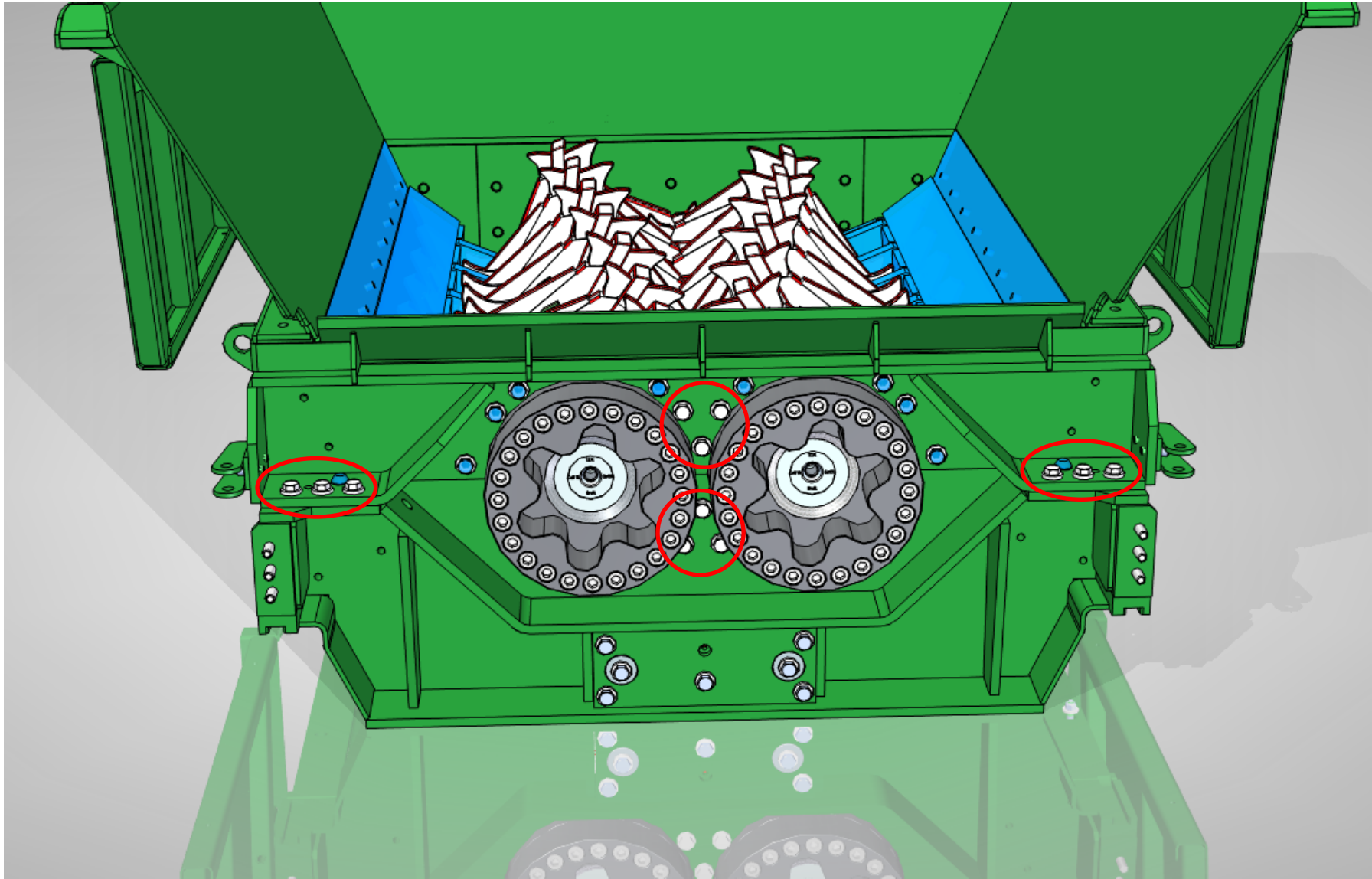
Step 10

The entire shredding unit can now be lifted off the machine.



Step 11

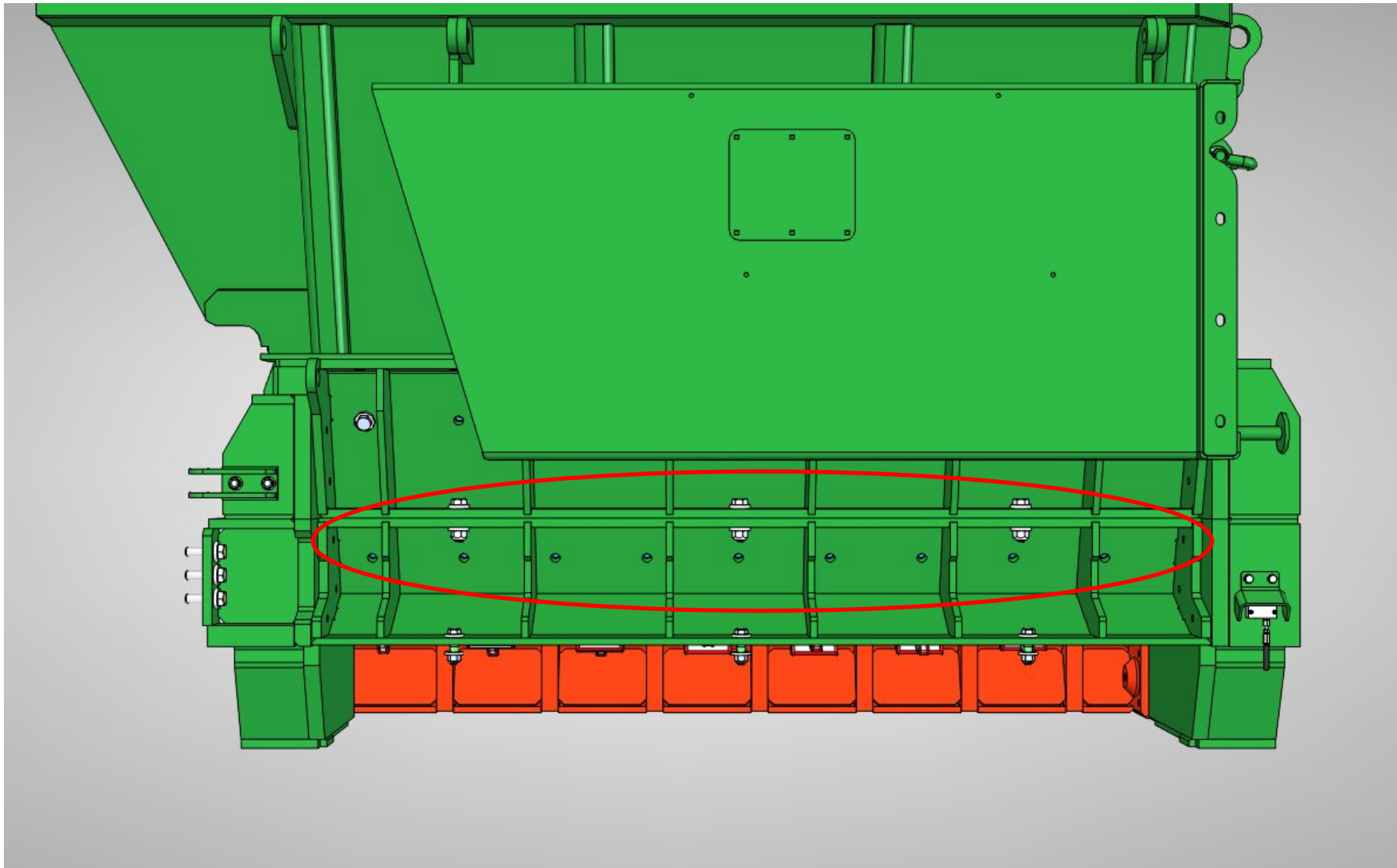
The marked screws on the drive side must be removed



Step 12

Remove the 3 marked screws on the left and right-hand side.

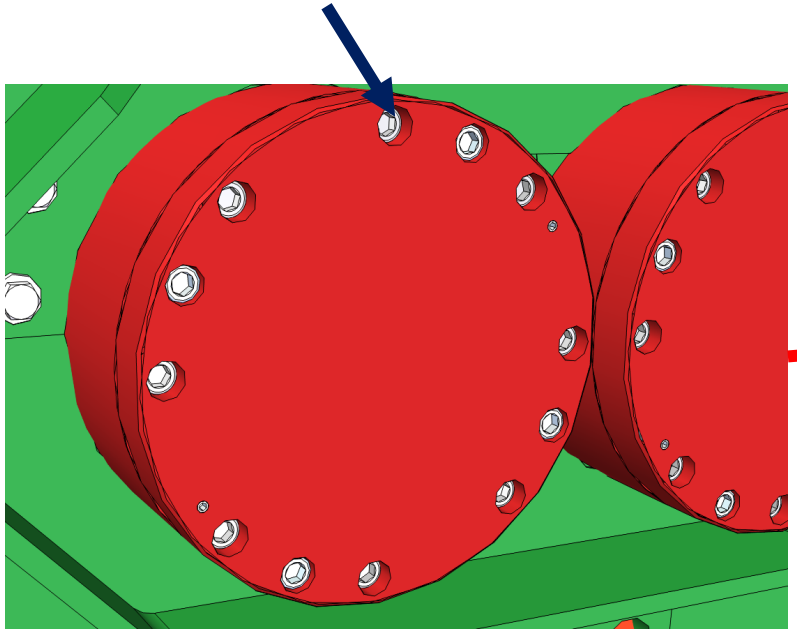
The bottom row of screws on the counter combs must also be removed

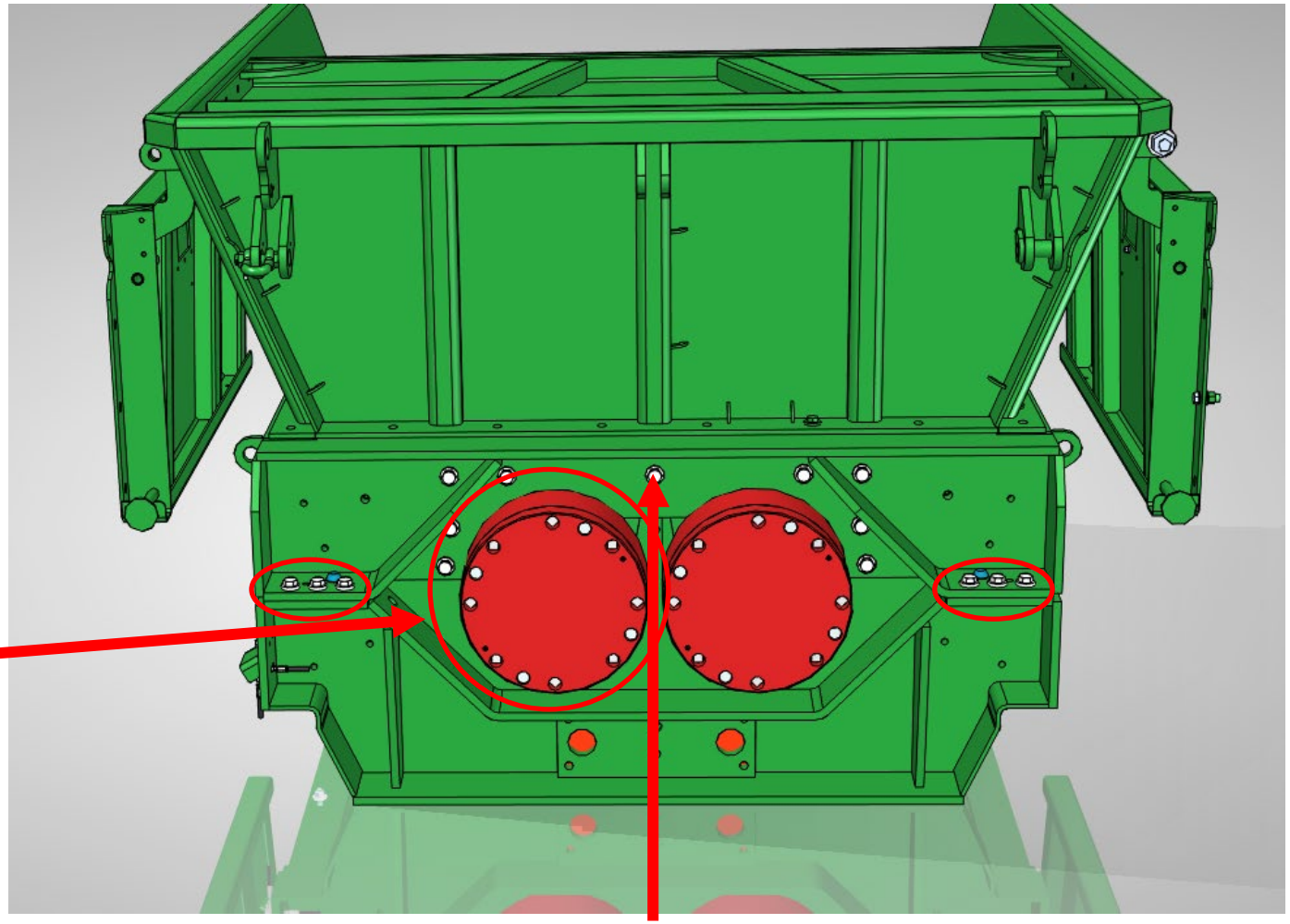


Step 13

The 6 marked screws on the end must be removed.

The 8 countersunk cylinder screws on the end bearing must also be removed.



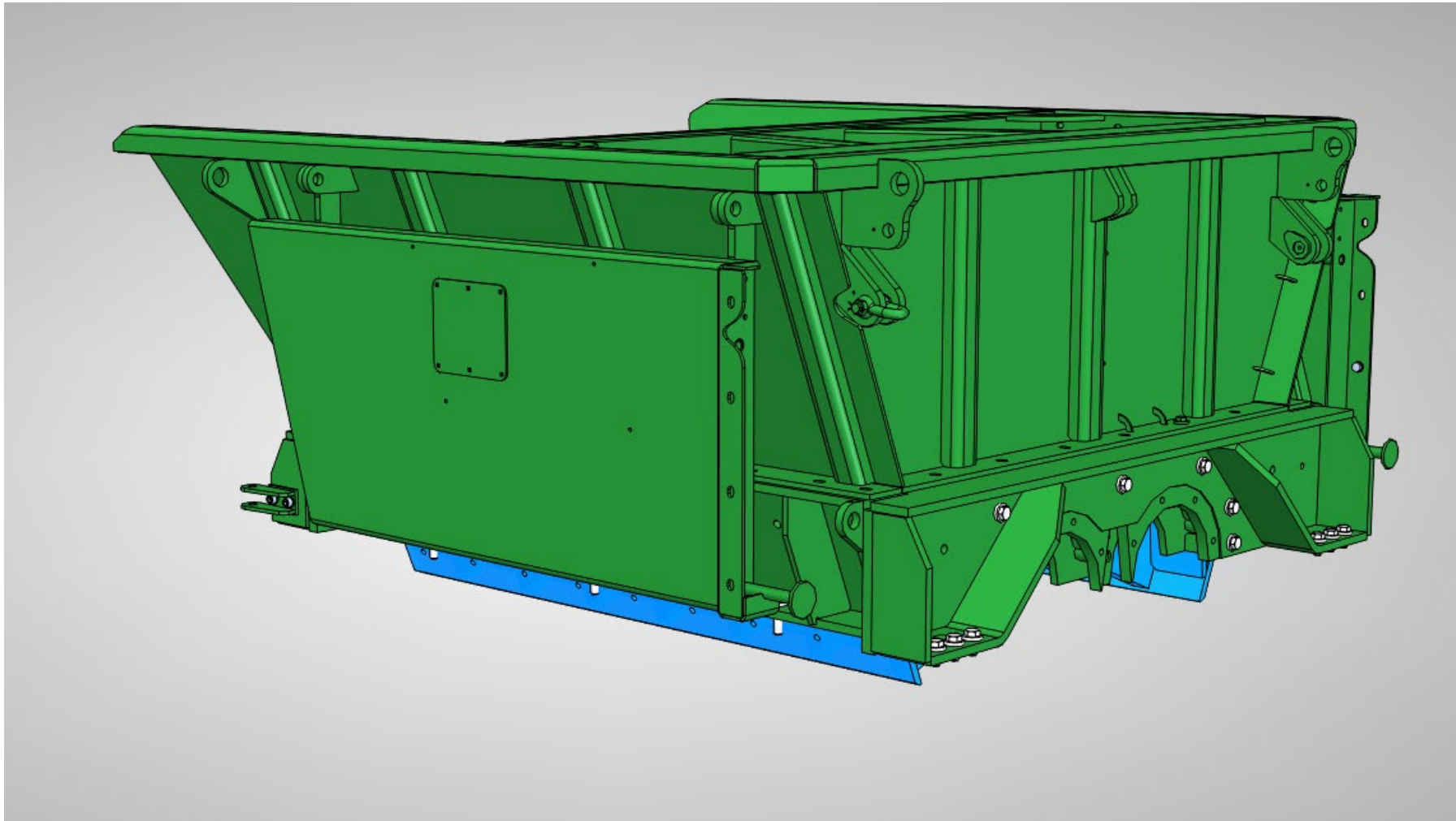


IMPORTANT! The end bearing does not need to be opened! It remains on the rotor shaft as a completely closed unit.

Lower fixing screw for bulkhead must be removed.

Step 14

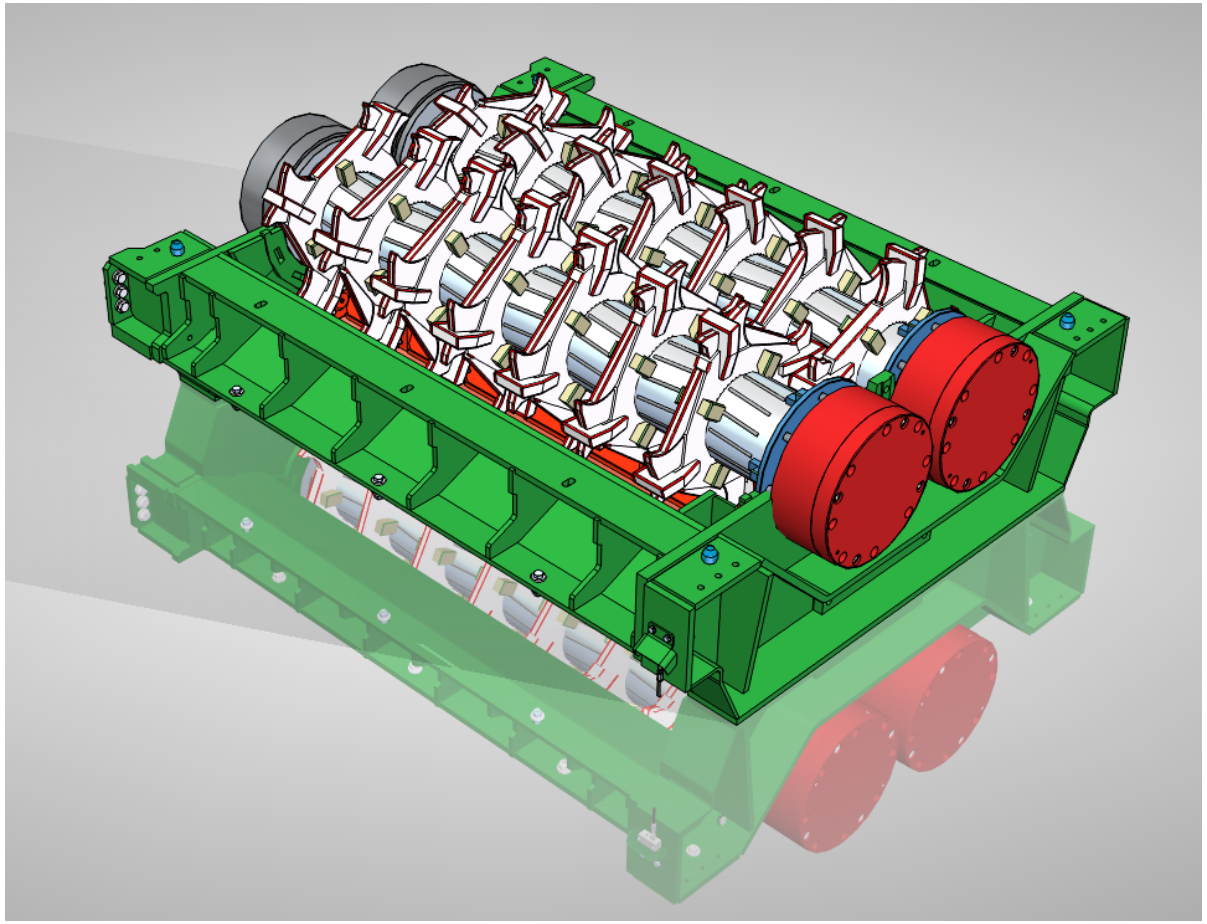
The upper shell can be lifted off and set aside, including counter combs and hopper

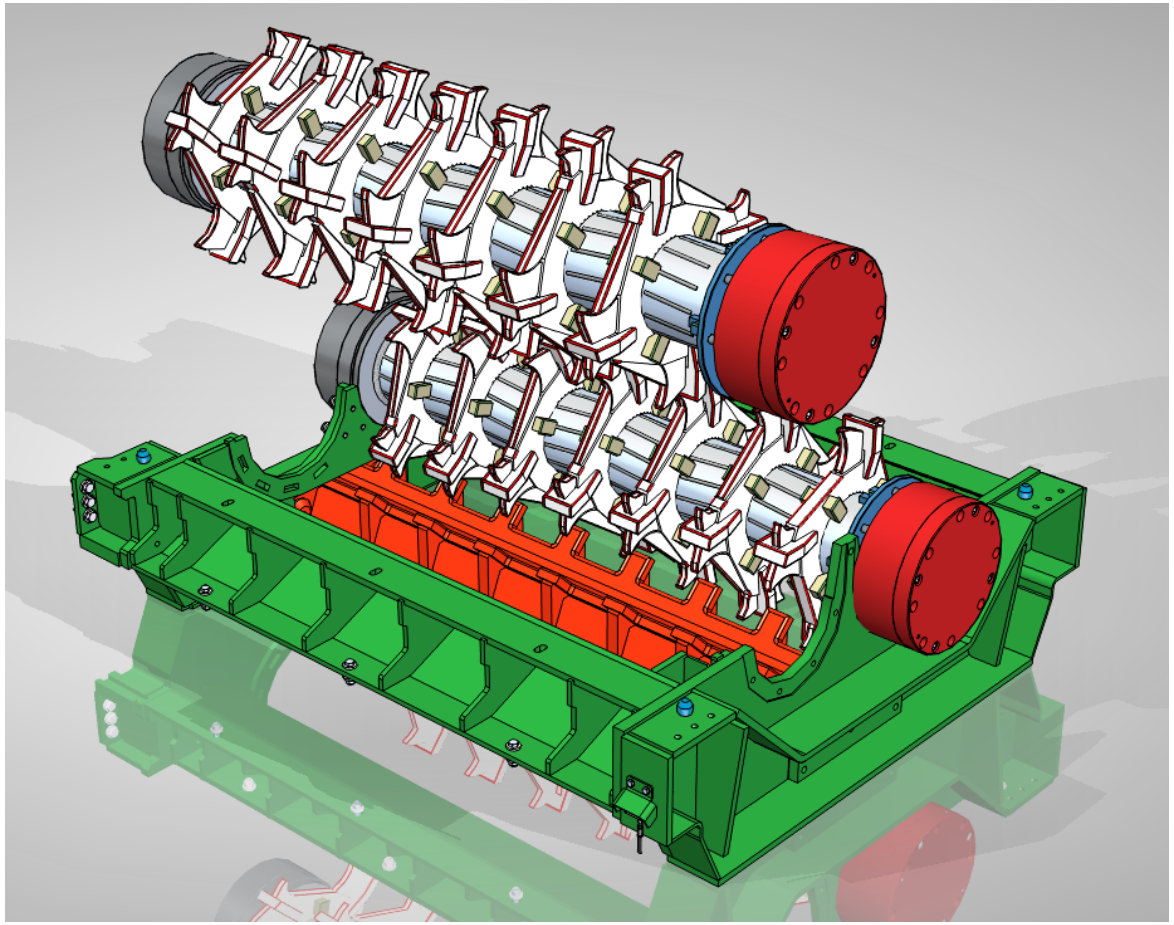


Step 15

The rotor shafts are now freely accessible in the lower shell and can be lifted out as required.

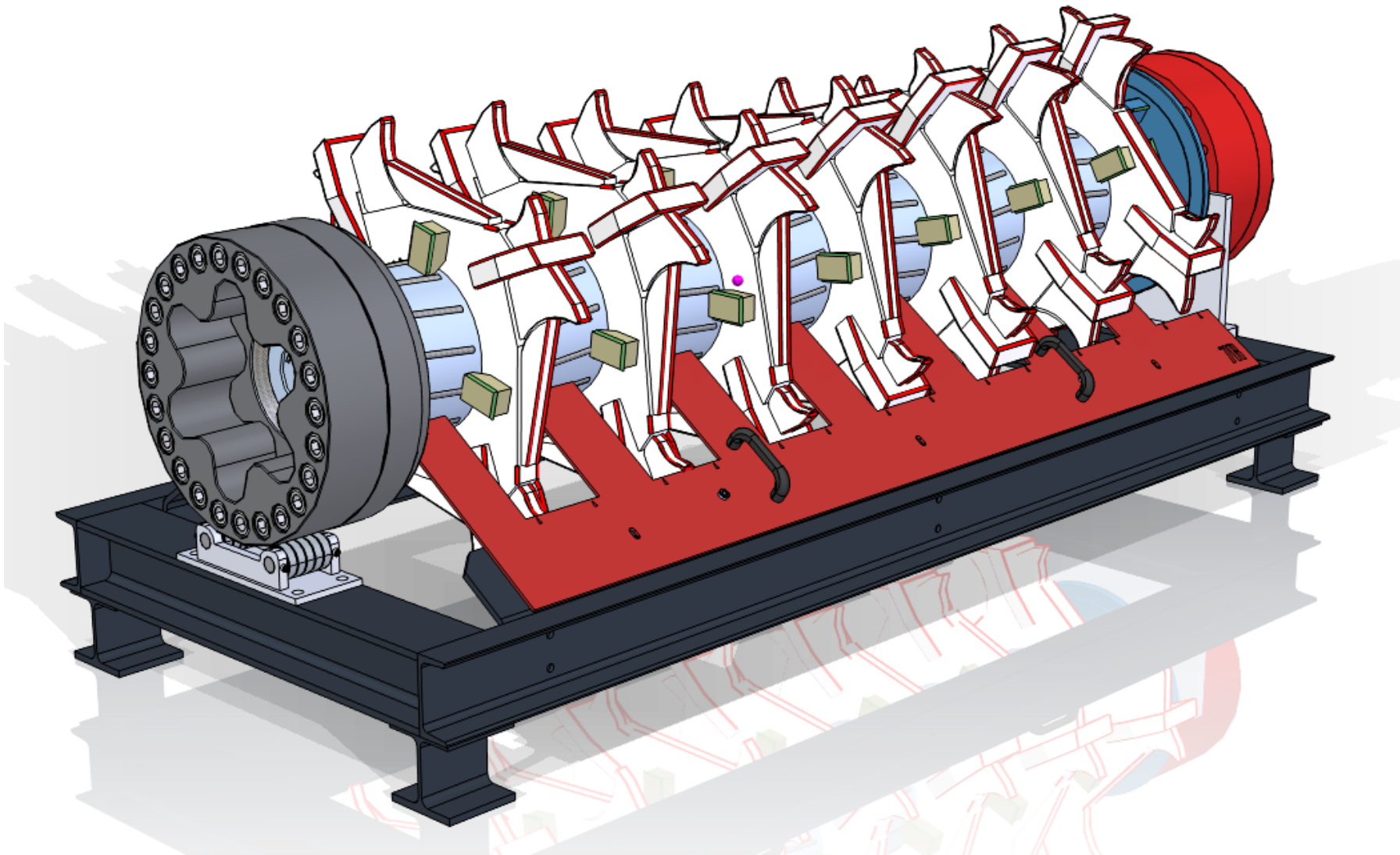
To reassemble, repeat the previous steps in reverse order.





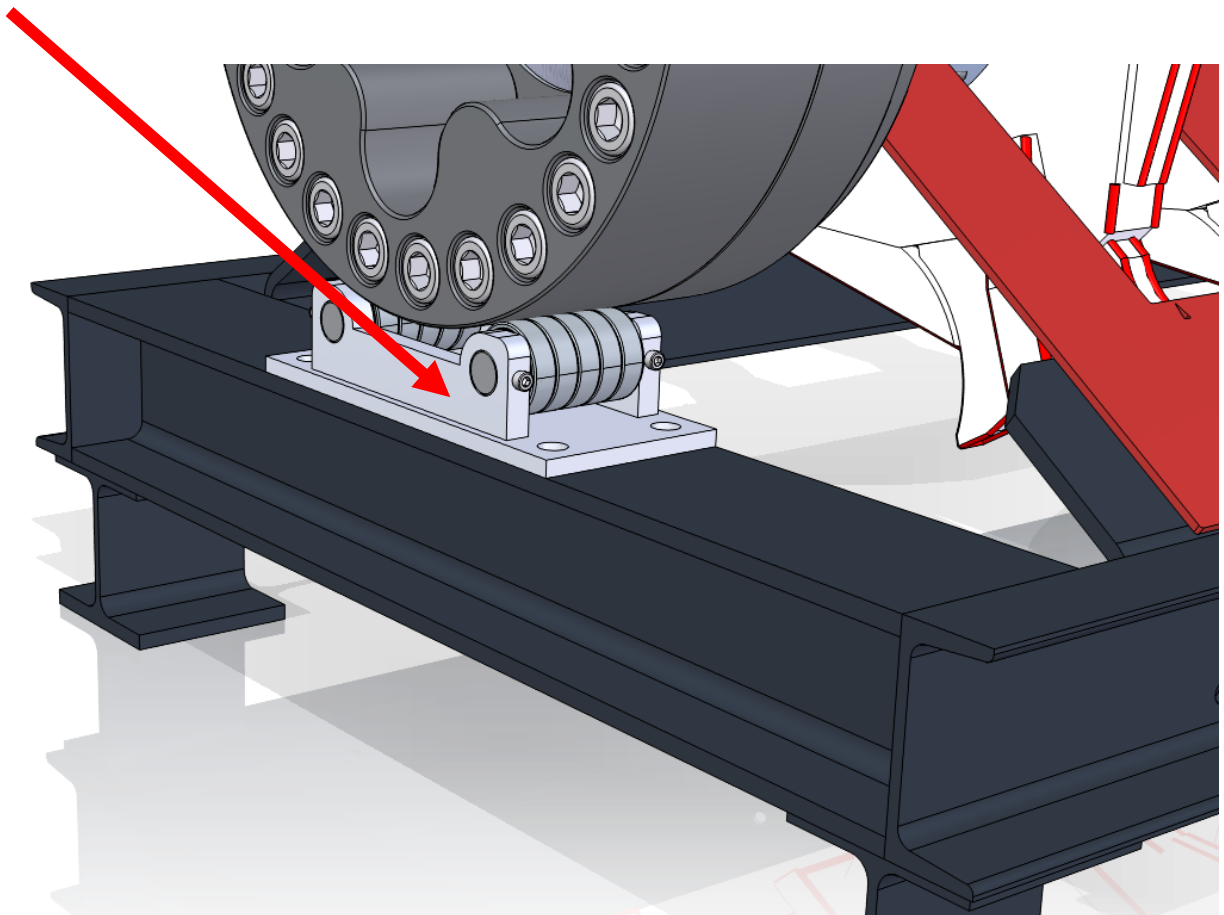
Welding on the shafts

The shaft can be placed in a reconditioning device for welding.

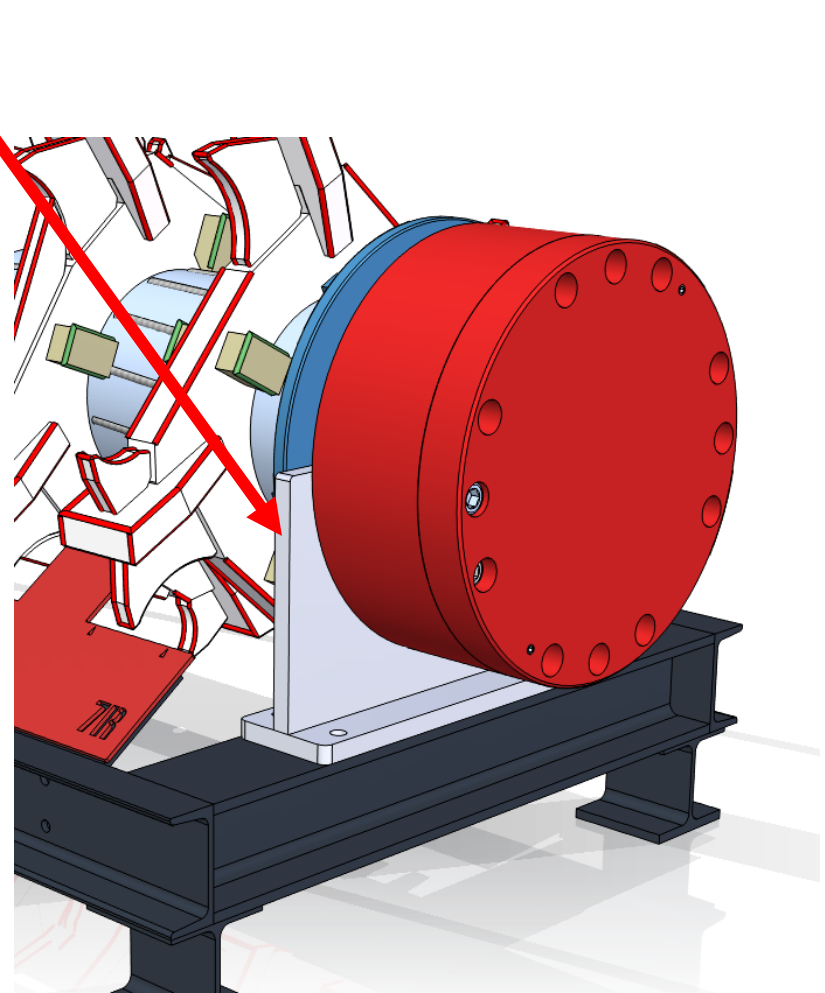


Welding on the shafts

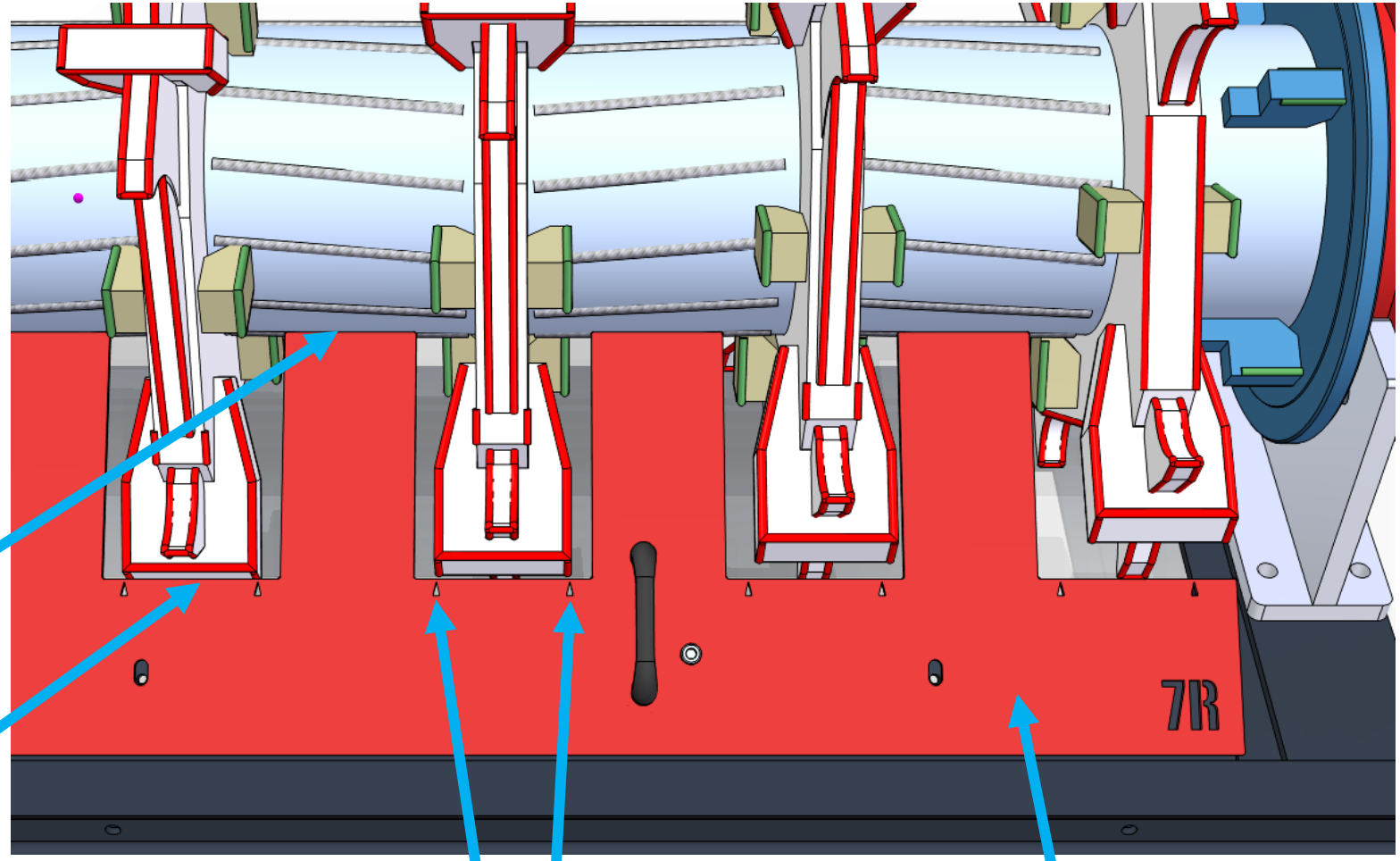
The bearing block on the drive side allows the rotor shaft to rotate very easily during welding.



The end bearing of the shaft is connected to the reconditioning device via the end shield.



Welding on the shafts



Shaft base reference edge

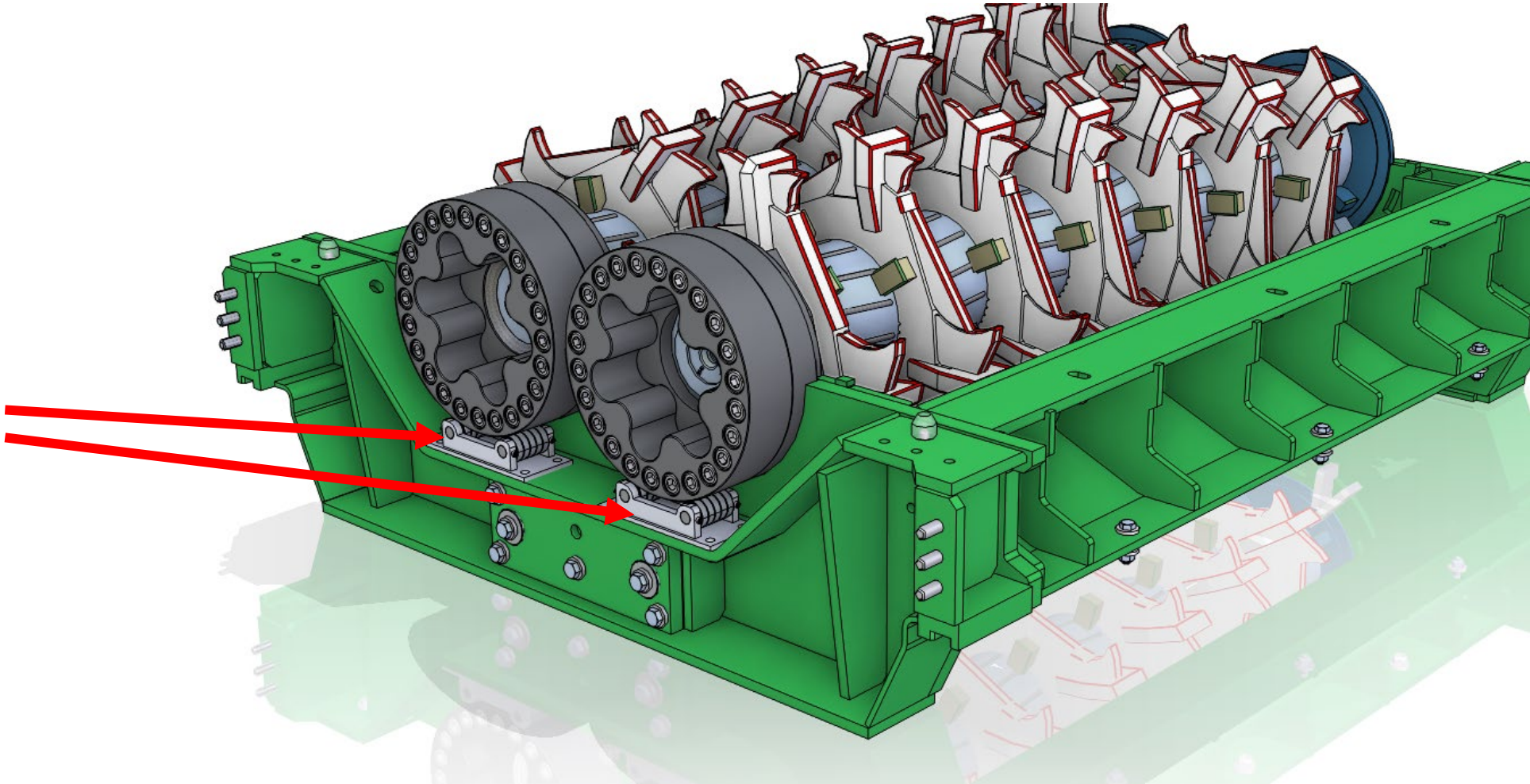
Reference edge outer flight circle diameter of the tools

Lateral orientation marker for tool width

Welding template 7R

Welding on the shafts

Alternatively, the bearing block can also be inserted into the lower shell and the shafts welded onto it.



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