



Vegetation and Tree Care Solutions





LS2 Sales Training

LS2

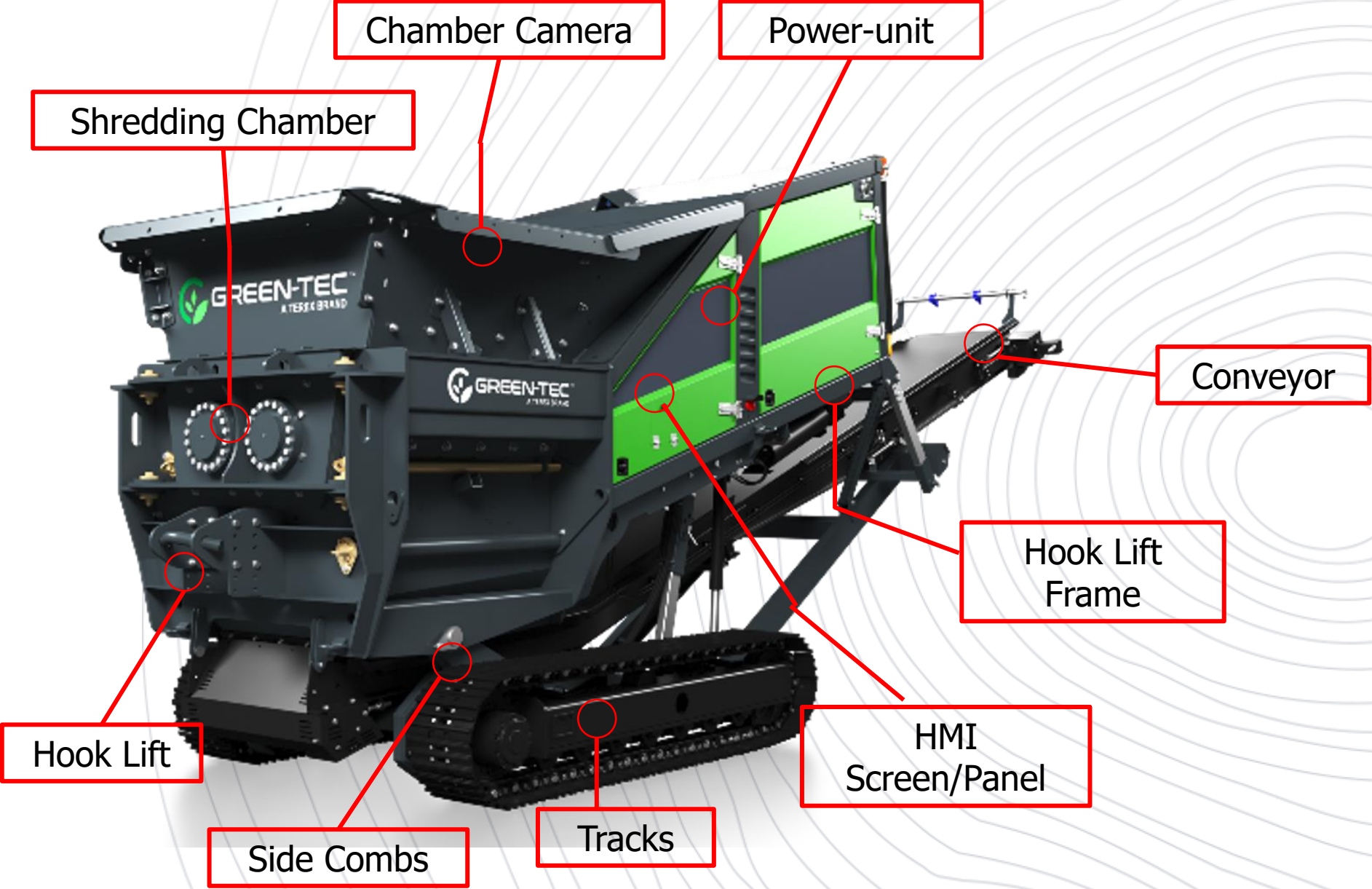


- **Entry Level Compact twin shaft slow speed shredder**
- **Primary function is rough volume reduction on contaminated material such as**
 - **Stumps**
 - **Green Waste**
 - **Wood Waste**
- **Protection from Material that would damage a Woodchipper or high-speed grinder**
 - **Slow speed sheading shafts and a self protecting hydrostatic drive system offer unrivaled protection when compared to a high-speed grinder or Chipper when an unshreadable item enters the machine.**
- **Capable of working in,**
 - **Green waste**
 - **Recycling applications such as concrete and brick or wood waste**
- **Compact layout**
- **16,000 kg**
- **Hook lift attachment option**
- **User friendly control system**
- **Low operating costs**





Key Components



Transport



- **Length: 8.4m (27' 8")**
 - **Conveyor Folded 7.4m (24' 2")**
- **Width: 2.5m (8' 2")**
- **Height: 3.1 m (10')**
- **Weight: 16,000kg (35,200Lbs)**

Working



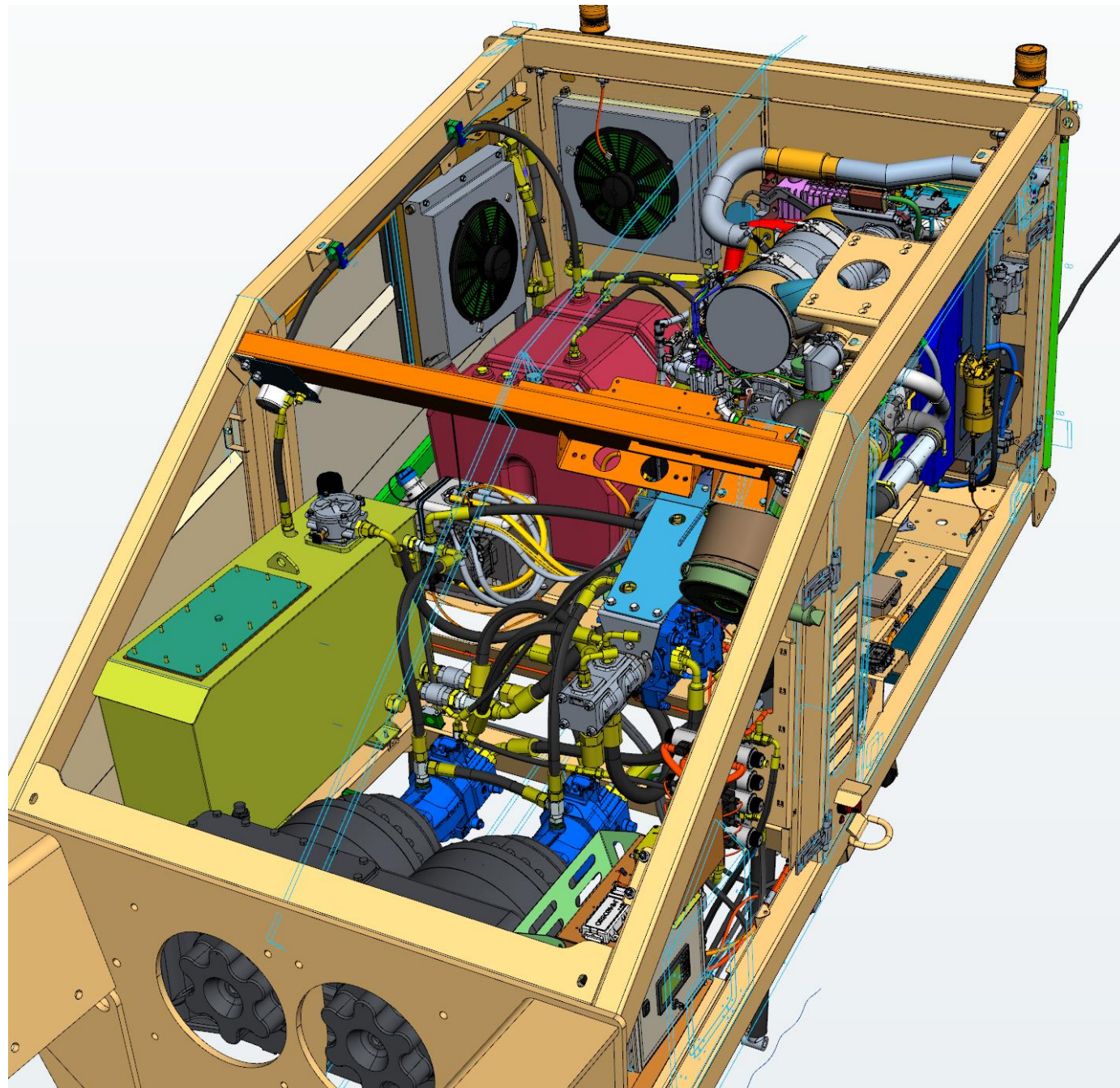
- **Working Dimensions**
 - **Length: 8.3m (27' 1")**
 - **Width: 2.5m (8' 4")**
 - **Height: 3.9m (12' 8")**
- **Chamber feed in height:**
 - **2.8m (9' 2")**

Chassis



- Strong robust track sub frame
- Hydraulic raise and lower chassis
- Hooklift attachment
- Powerful tracking system
 - Easy maneuverability and transport
 - Tracking speed 1.2Km /hr.
- Bolt on tracks
 - Standard 2 speed track machine
 - 400mm shoe (16")
 - 2.5m sprocket centers (8' 2")

Powerunit



- CAT C4.4
- Stage V/T4F – 140Kw (188hp) - EU
- T3 129Kw (171hp) – ROW
- Efficient Bosch Rexroth hydrostatic Shredder drive
 - Low fuel consumption
 - Tandem Axial Piston Pump - 110cc
 - Axial Piston 2 Speed Motor – 160cc
 - Bonfig Twin Shaft Independent Output Gearbox – 103 : 1
- Flexxaire reversing fan (Option)
- Fuel capacity 330 L

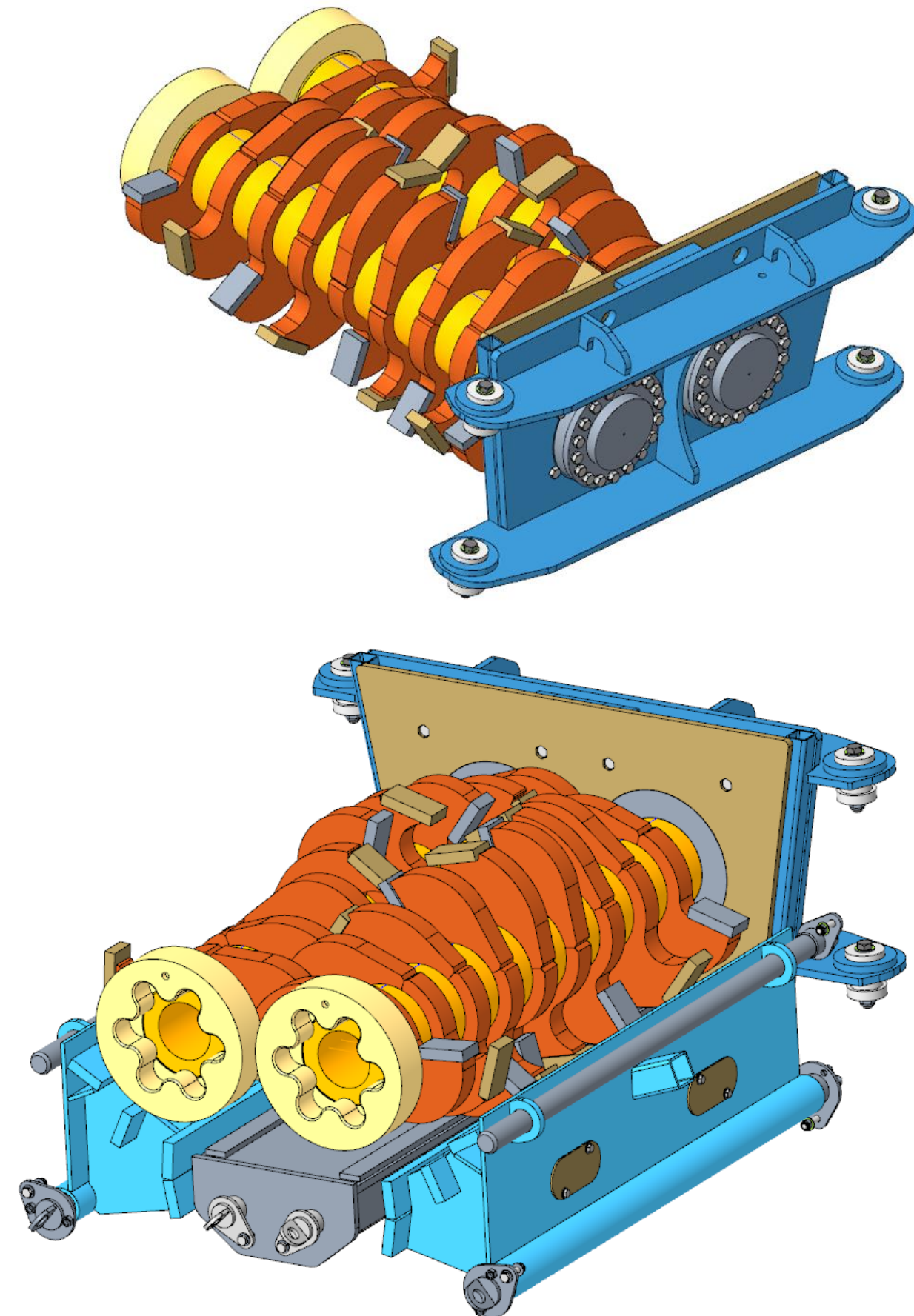
Control System



- User friendly color display offering simple operation and diagnostics with touch screen
- Auto Start / Stop function
- Optional Full function remote control
- **Control of tracking and shredding**
- Chamber camera
- Intelligent Chamber control
- **Custom shredding programs**
- **Advance Stress control – minimize engine stall, maximize throughput**

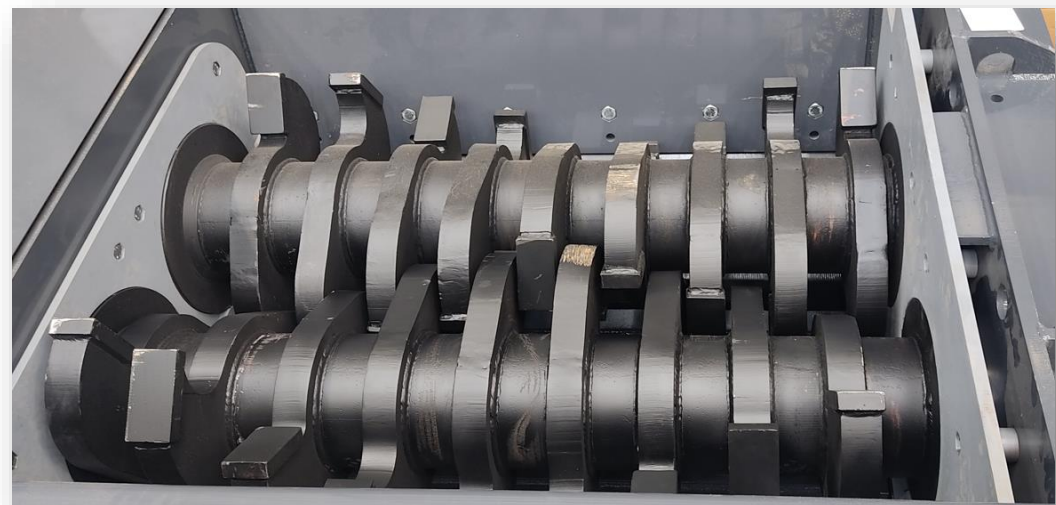


Shredding Chamber



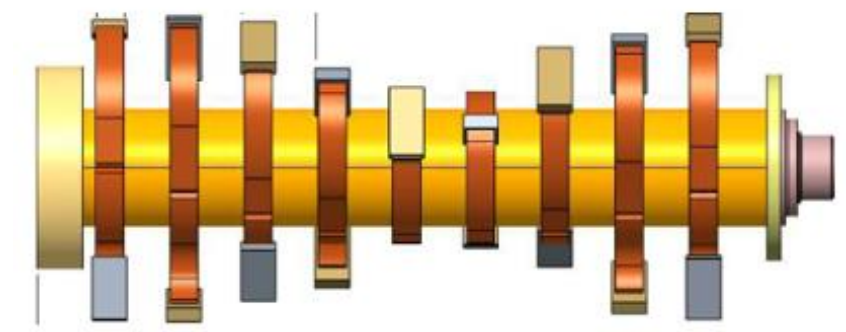
- 1.5m Twin shaft slow speed
 - 0-28RPM
 - Max torque per shaft 80KNm
 - Effective shaft diameter 660mm
- Quick removal cassette
 - Easier maintenance
 - Quick changing of shaft type
- Independent shaft movement
 - Promotes self cleaning effect
 - Reducing wrappage in difficult applications
- Aggressive intake resulting in good production
- Shafts can be controlled via radio remote in a blockage scenario

Shredding Chamber

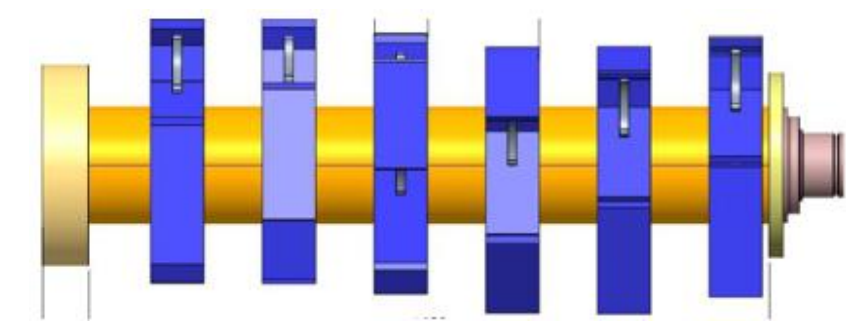
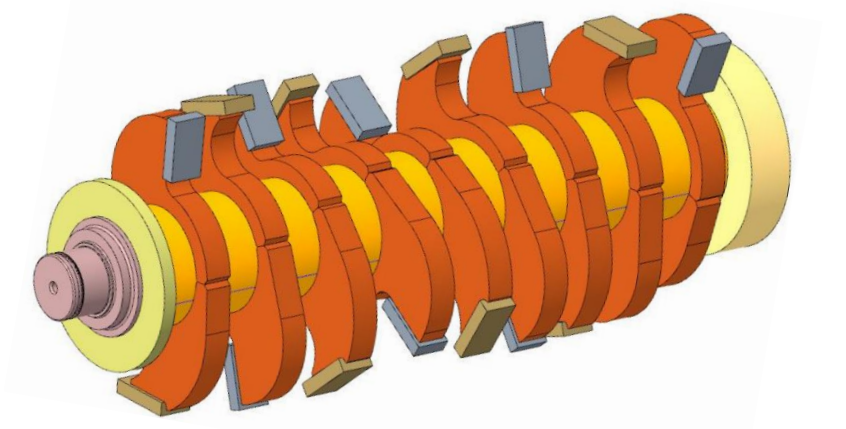


- Various shafts & comb options available
- Intelligent hydraulics
- Prevent damage to shaft teeth
- Quick change breaker bar
- Wear resistant plates
- Replaceable plates fitted to chamber
- Quick change shafts cassette < 1 Hour
- Replaceable combs, quick change < 30 mins
- Configurable side combs

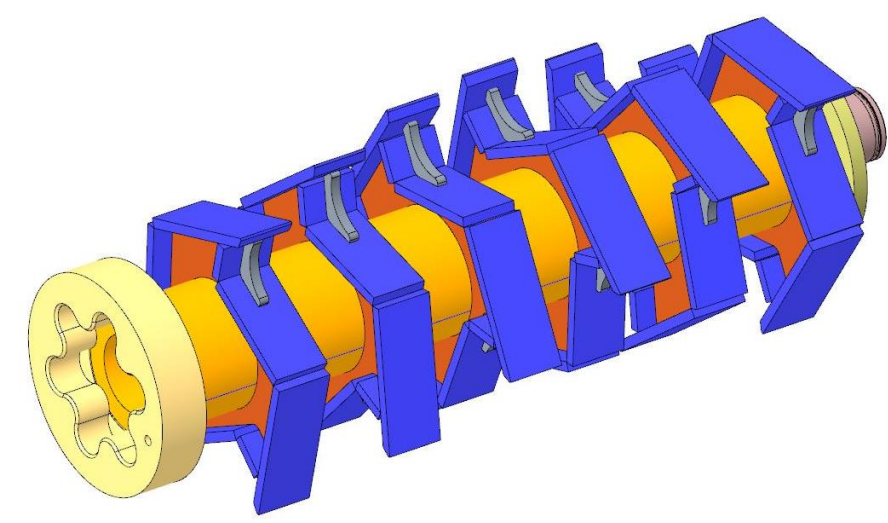
Shredding Shafts



Concrete and Brick shafts
9/9-2, - 9 Disc per shaft & 2 cutting elements per disc

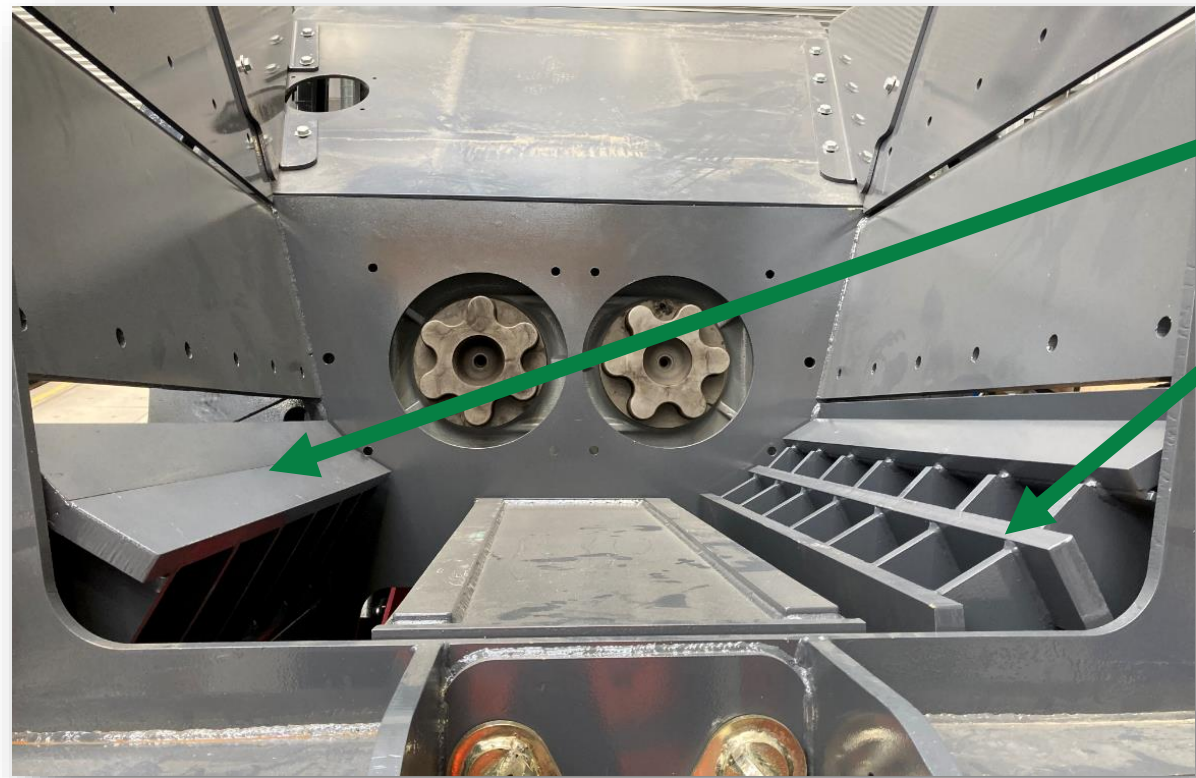


Green Waste, Construction Wood and Garbage Shafts
6/6-3 - 6 Disc per shaft & 3 cutting elements per disc



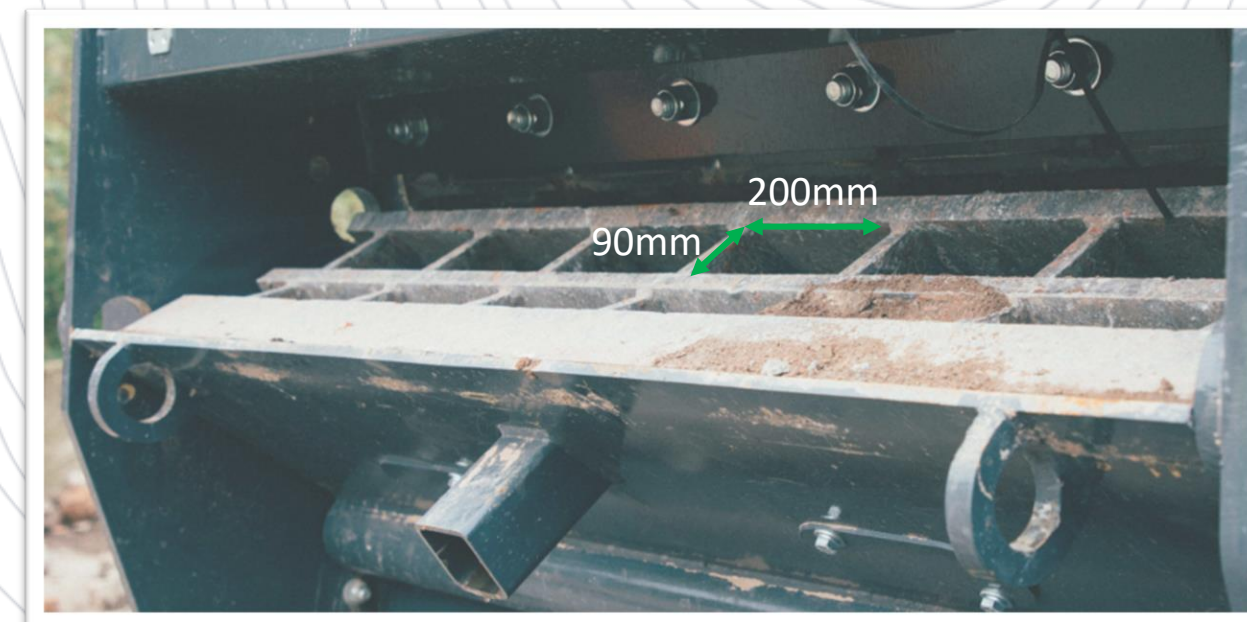
Other shafts currently in development

Side Combs

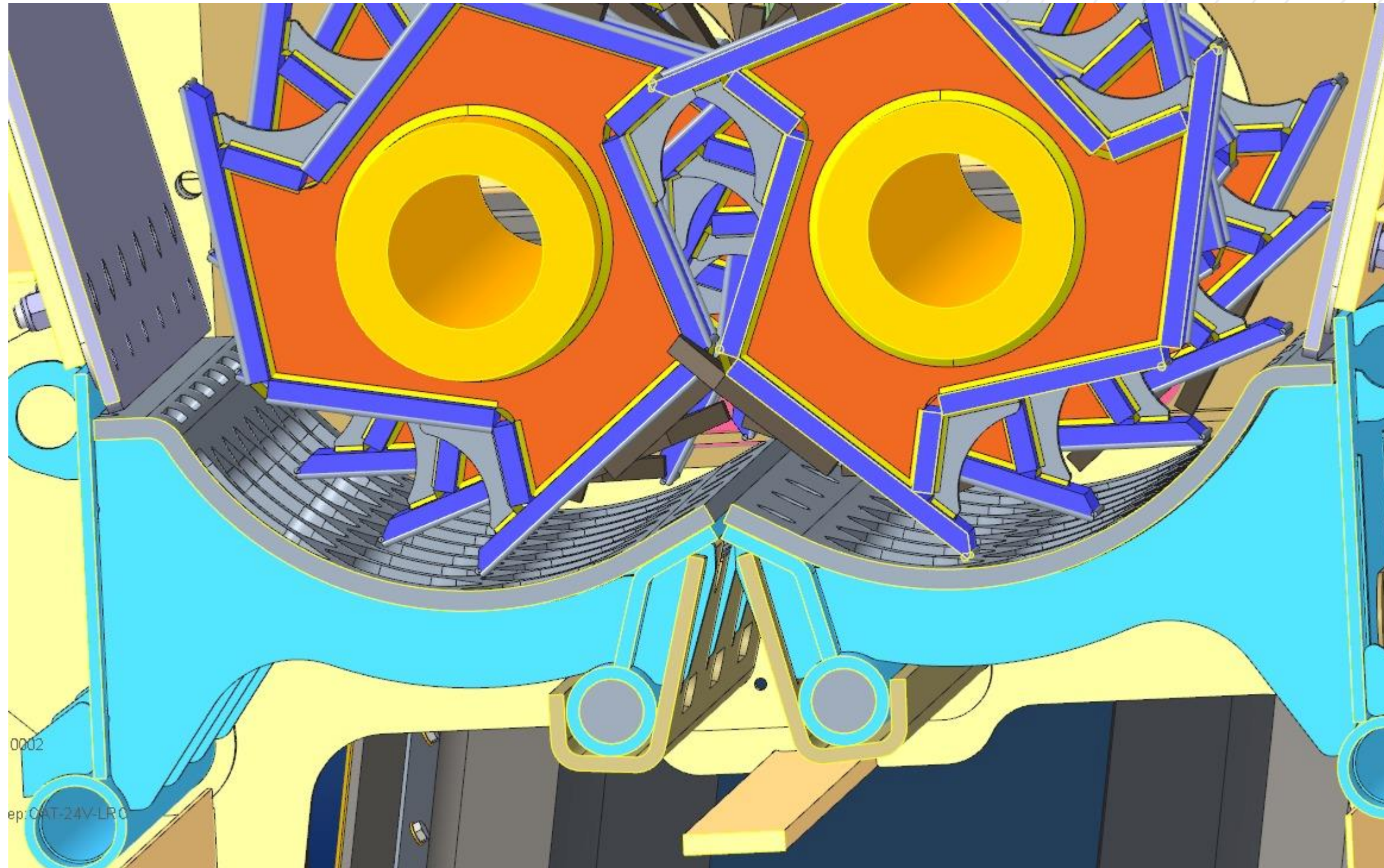


Open Comb
Closed Comb

- Aperture Size
 - 200mm x 90mm
 - 200mm x 60mm

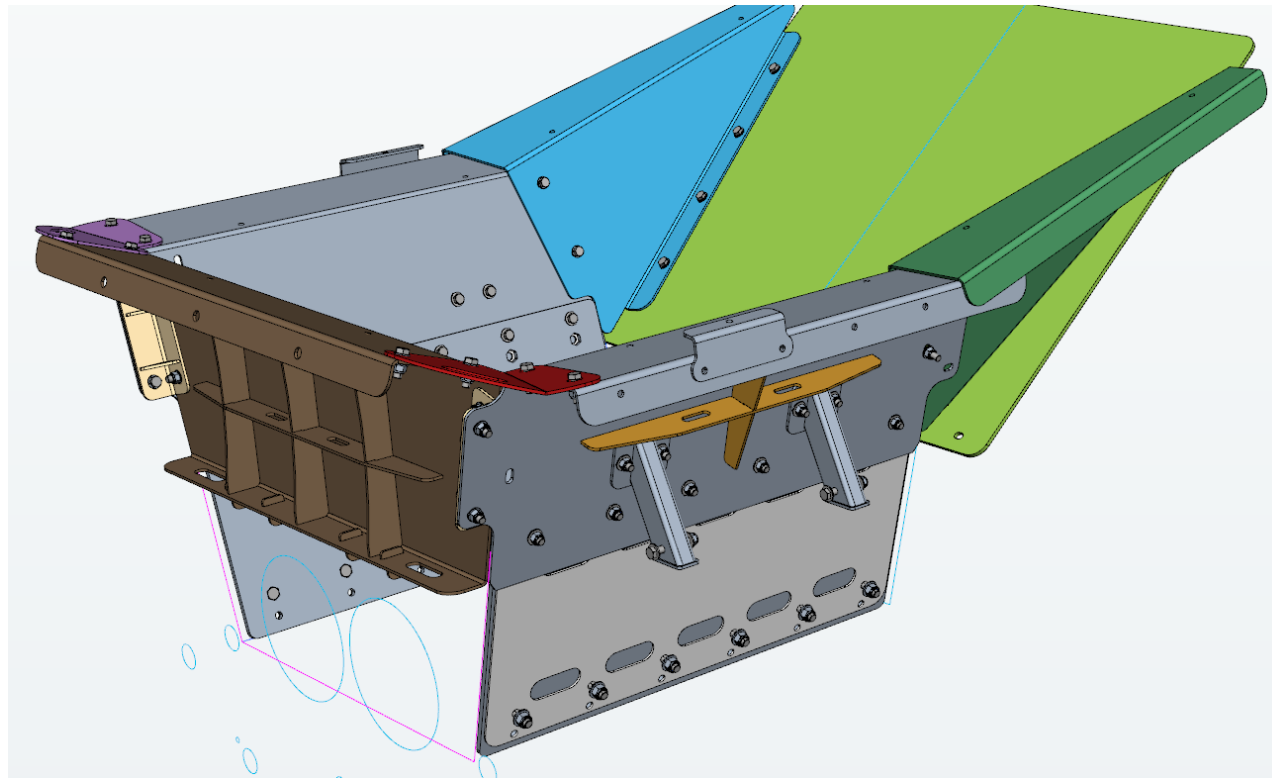


Screen System



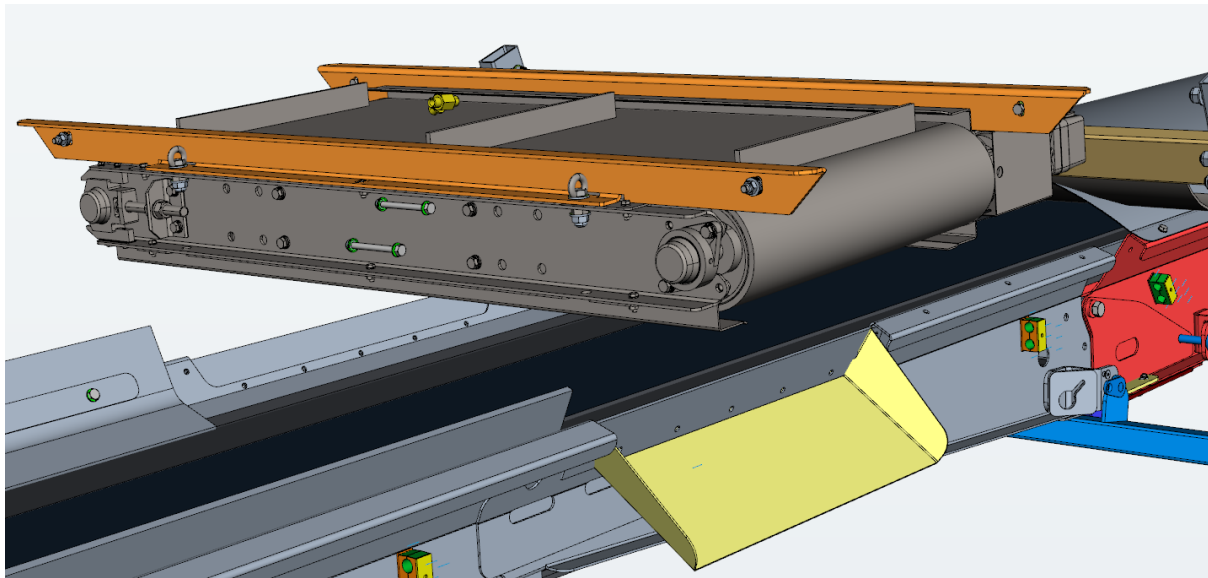
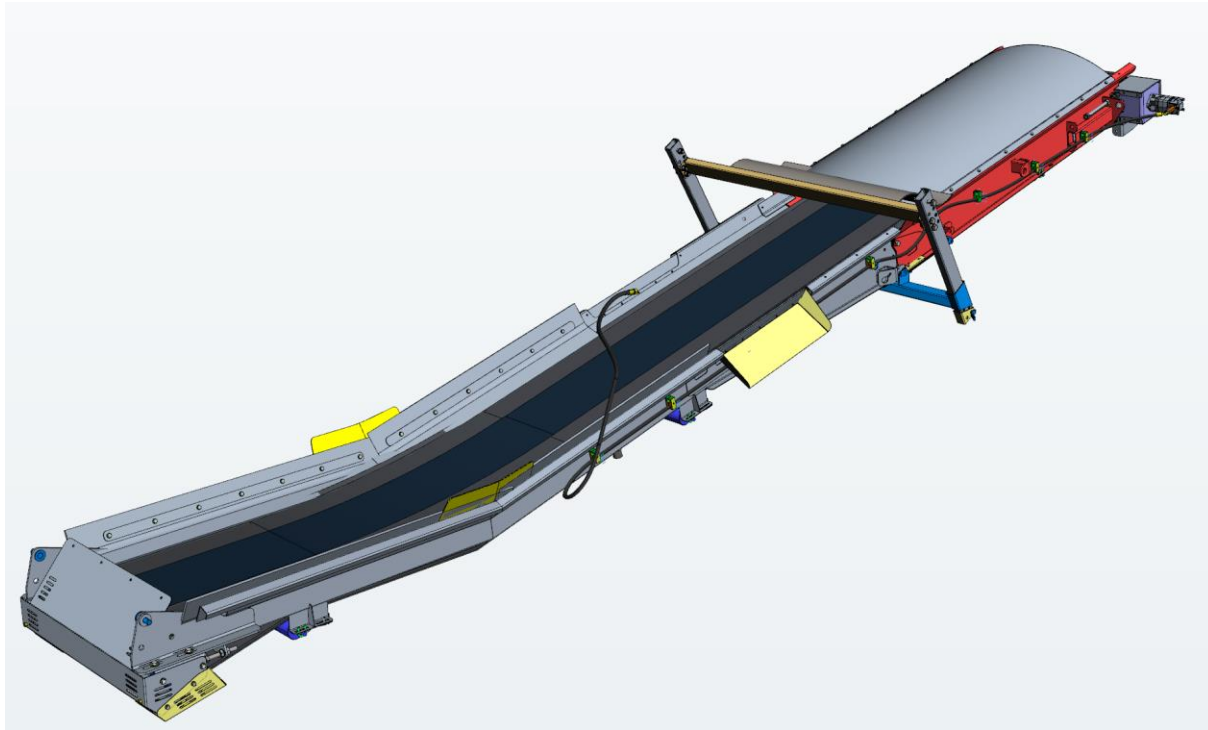
- The combs can be replaced With a screen system. This consists of a frame and a rolled screen.
- This gives a more consistent sized product. A 100mm Hex screen produces a 60 to 70mm partial size.
- a 150mm hex screen is also available.

Hopper



- Chamber target area
 - 1.8m x 2.6 (5' 8" x 8' 6")
- Hopper capacity
 - 2.5m³ (3.3 cu. yards)
- Quick change shafts cassette < 1 Hour
- Replaceable combs, quick change < 30 mins
- Configurable side combs

Conveyor



- Heavy duty Chevron belt
 - 800mm (32") wide
 - EP500 / 3 4+2
- Single piece conveyor
- Adjustable conveyor running angles
 - Discharge height 3.2m @ 24° (10' 10")
- Max belt speed: 150m/min (490' / min)
- Optional Magnet
 - Variable speed control
- Optional Hydraulic Fold
- Optional Spray Bar

Options



- Shaft options
 - Welded tools - rubble applications
 - Welded paddle shafts - General waste & wood
- Comb Aperture Options
 - 200mm x 90mm
 - 200mm x 60mm
- Engine Options
 - Cat C4.4 Stage V – 140Kw (188Hp) – EU & USA
 - Cat C4.4 Stage 3A – 129Kw (173hp) – ROW
 - Volvo D5 under development
- Hook lift Frame for different areas
 - CHEM standard – UK
 - DIN Standard – European
 - ANSI – USA
- Over band Magnet
 - For removing Steel and other ferrous materials the product as after sheading
- Hydraulic folding Conveyor
 - Reduces setup time after transport
- Reversing fan
 - Cleans the engine radiator, reducing the chance of overheating
- Hot climate oils
 - Different Grade of hydraulic oil that's more suitable to warmer climates
- Different colors
- 1 x Additional shaft cassette c/w bearings
 - Sits within Chamber to reduce Transport Cost
- Chamber camera
 - Displayed on the HMI, Aids with shredding program setup
- Dust Suppression system
 - Chamber spray Bar
 - Conveyor Spray Bar
 - When pumped with water it reduces the dust created by the sheading process.
- Track Pads
 - Flat steel pads
 - Rubber clip on track pads
 - Less grip but more suited for concrete yards
- Fully Function Remote
 - Radio remote that gives Track & Chamber Control

Applications



Green Waste is the primary focus of the LS2, it can process the following other types of materials

- Skip Waste
- Bulky Waste
- Household Waste
- C&D
- Wood Waste
- Building Waste
- Stone
- Asphalt



Wood Waste



Tyres



Stumps



Green Waste



C&D Waste

