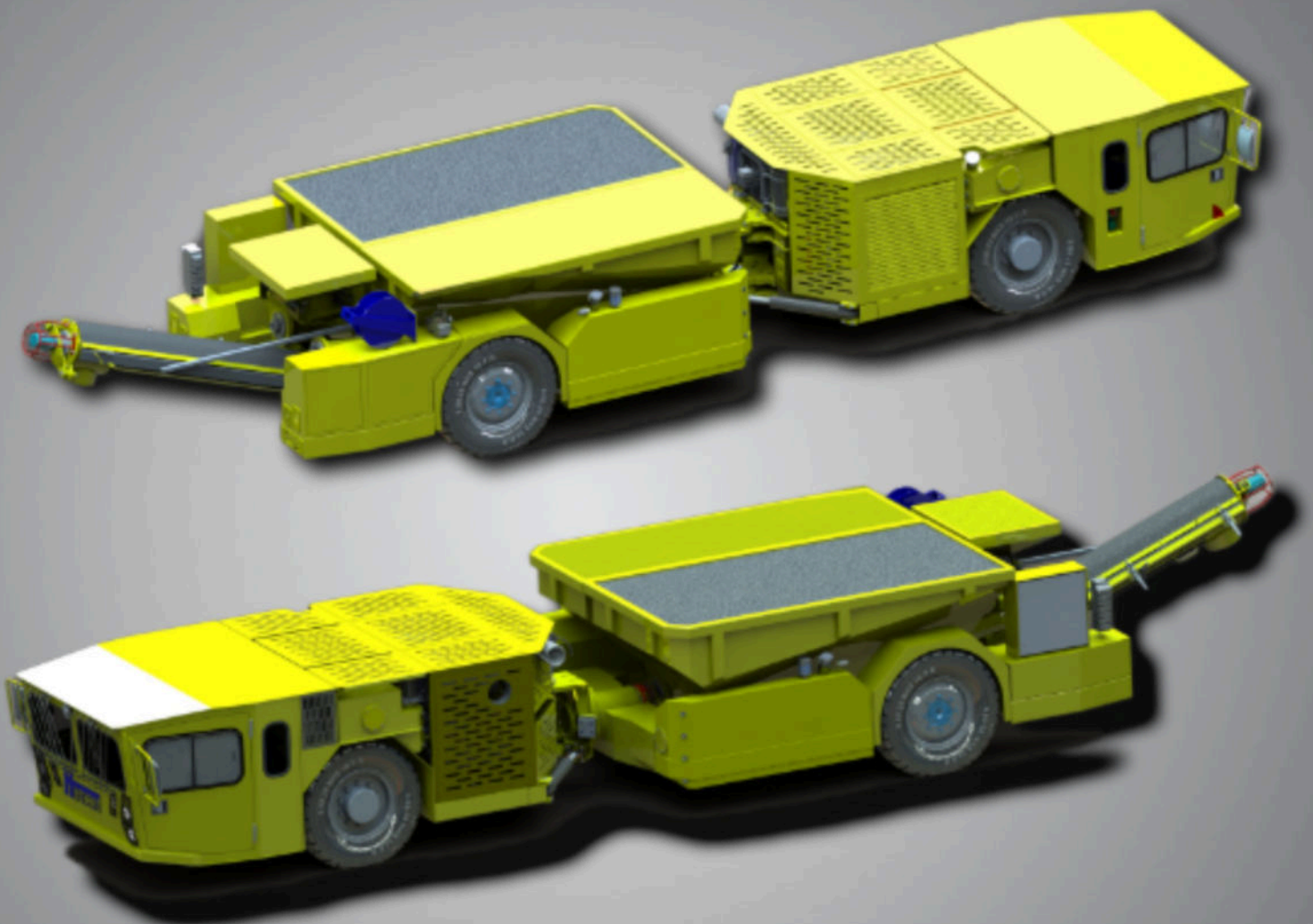
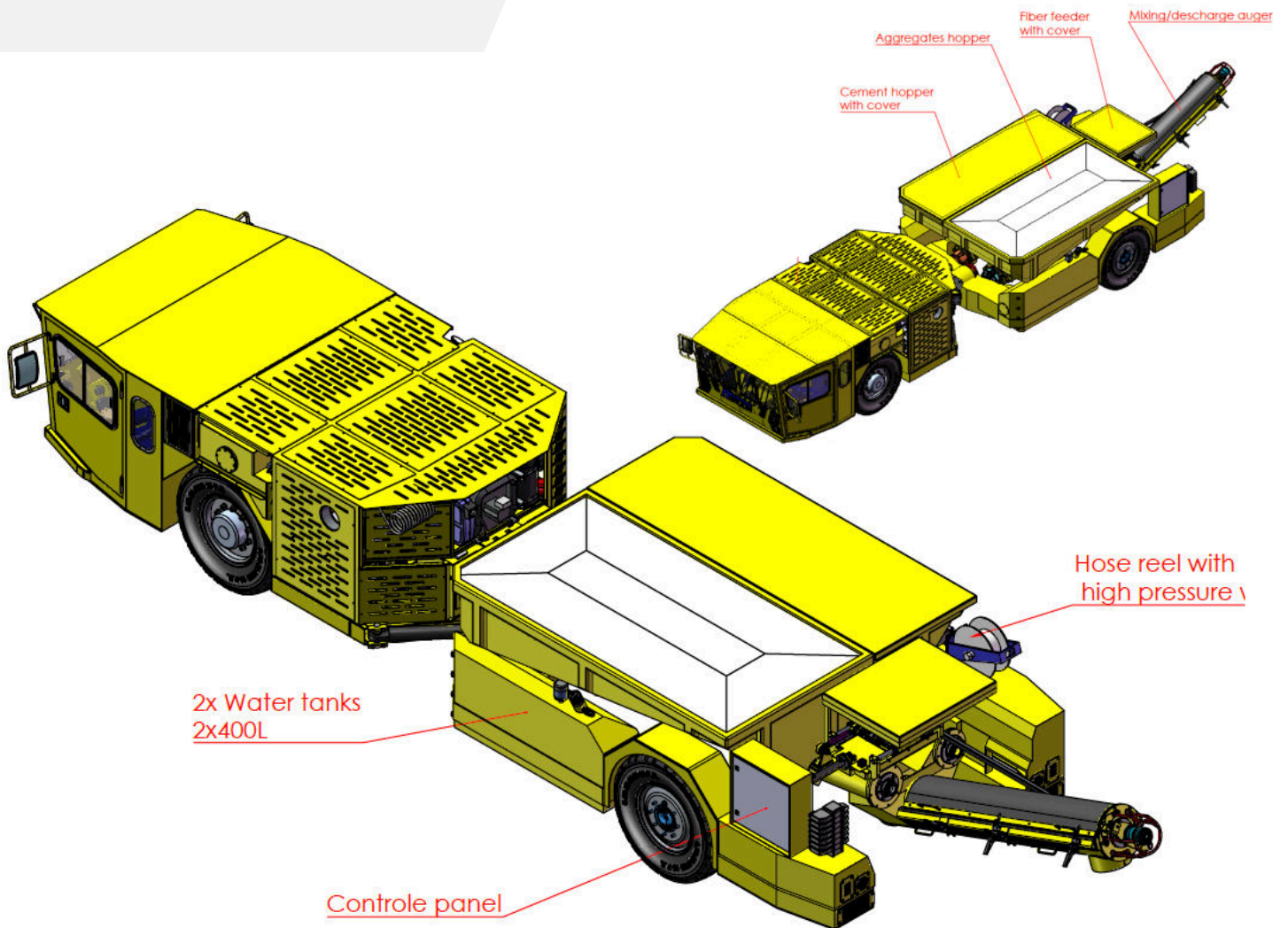


HENCON TRANSVERS
LOW PROFILE BATCH MIXER

VEHICLE FOR THE PREPARATION OF CONCRETE



BATCH MIXING VEHICLE FOR CONCRETE



The Hencon TransVers Low Profile Batch Mixer has been designed for the preparation of concrete mixtures.

It has an articulated frame, with a joint that enables frame articulation and oscillation. Easy access is provided to all components that frequently need to be serviced and maintained. On the front are the cabin, motor compartment, fuel tank and hydraulic oil tank. The following equipment is mounted on the rear: aggregate hopper, cement hopper, fibre hopper, water tanks, water pumps and mixing auger.

The vehicle can be safely used in underground tunnels with aggressive environments, significant water content, humidity of between 75 to 100%, high concentrations of conductive dust, and ambient temperatures of between -35°C and +35°C.

Functional details and full specifications are available on request.

ENGINE

Diesel engine Deutz TCD2013 L04 2V, water cooled with turbocharger

Max power output: 126 kW

HYDROSTATIC DRIVE SYSTEM

- Hydrostatic transmission.
- Vehicle is driven with hydraulic pumps mounted on the engine reductor. Hydraulic pumps drive hydraulic motors mounted on the drive axles.

TRAVEL PUMPS

- 2 Drive pumps
- 1 Equipment pump

BRAKE SYSTEM

- Park brake
- Service brake
- Hydrostatic braking allows slowing down the vehicle with the engine by releasing the accelerator pedal.
- Hydraulic retarder assists with driving downhill.

STEERING

Hydraulic steering (Orbitrol)

ELECTRICAL EQUIPMENT

Multi CAN-bus control system based on Hydac controllers.

Voltage: 24V

AXLES

Model: Kessler D71
2-drive

FUNCTIONAL EQUIPMENT

1. Aggregate hopper
2. Cement hopper
3. Fibre hopper
4. Water tanks and pumps
5. Mixing tube

DIMENSIONS AND MANOEUVRABILITY

DIMENSIONS AND OPERATING PARAMETERS			
Length	10 661mm	Ground clearance	265mm
Width	2 600mm	Approach angle	12°
Height	1 600mm	Departure angle	12°
Wheel base	4 871mm	Turning radius outer, inner	6 750mm, 3 700mm
Full weight	11 000kg	Gradient	15°
Max speed	20km/h	Fuel tank capacity	150L

OPERATOR'S CABIN

- The vehicle has a closed, two-seat cabin with tempered glass windows on all sides allowing good visibility, and integrated ROPS/FOPS elements.
- Front window protected by metal bars.
- The driver's seat is adjustable, with suspension and a retractable seat belt.
- Passenger seat is adjustable, with suspension and a retractable seat belt.
- The cabin is fitted with an interior light, and heater with air filter on the intake.
- Window wipers with window washer on front window.
- Controls mounted in cabin include: Adjustable steering column with steering wheel; drive pedal; service brake pedal; drive direction switch with a horn button; turn signal switch; ignition switch; emergency stop button; keypad for various vehicle functions with LED lighting; digital display; heater speed switch; fire suppression system control panel.
- Digital display.
- Engine start button.

- Volumetric system to mix aggregate, cement, fibre and water to prepare concrete mixture.
- Capacity – 3 m³ of concrete.
- Mixing speed of 15 m³/h.
- Cable remote control unit.
- Digital display next to the mixing tube.

AGGREGATE HOPPER

Capacity – 2.9 m³;
 Low level switch and humidity sensor;
 Discharge auger with blades made of Hardox 450.

CEMENT HOPPER

Capacity – 1.4 m³;
 Low level switch;
 Discharge auger with blades made of Hardox 450;

FIBRE HOPPER

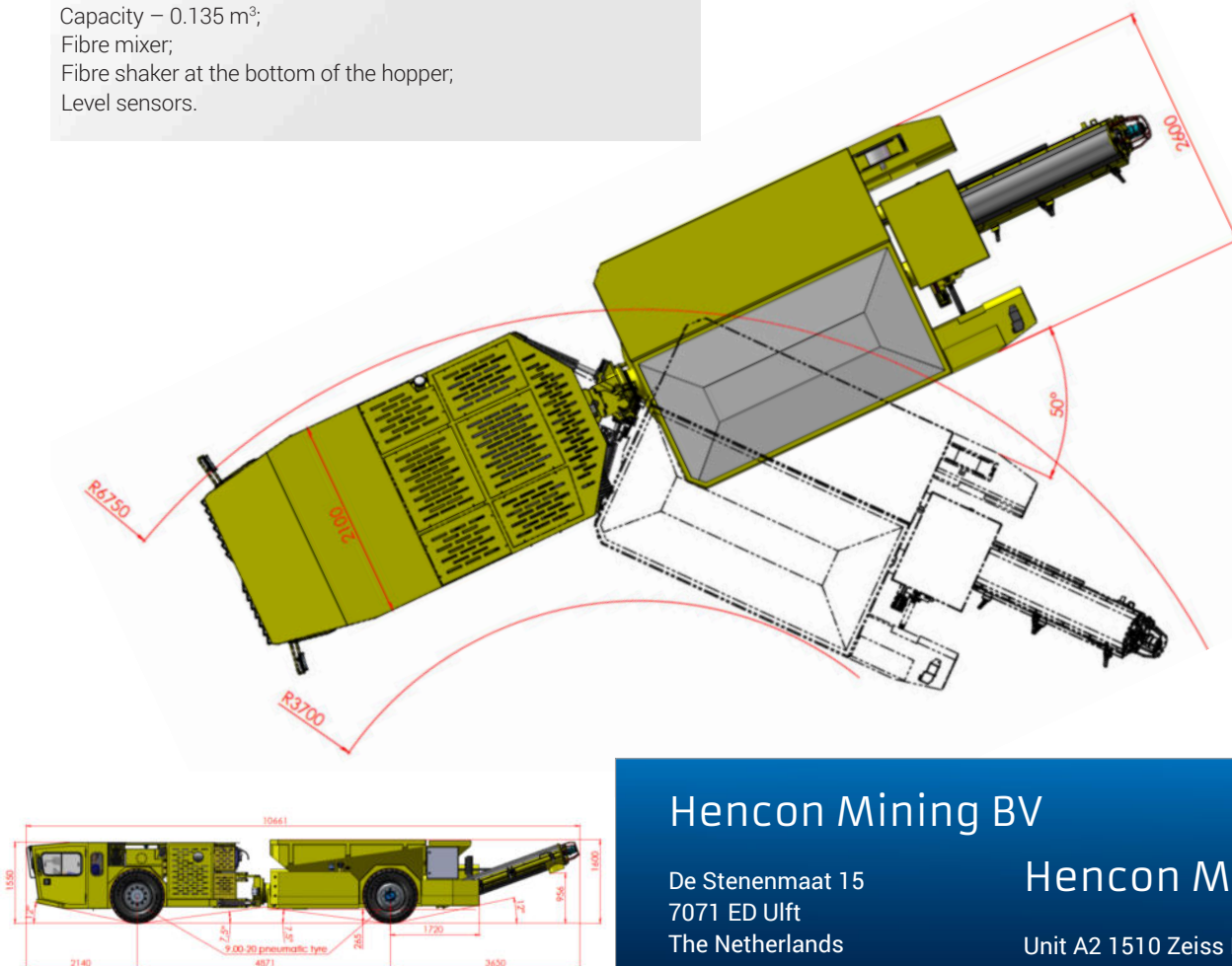
Capacity – 0.135 m³;
 Fibre mixer;
 Fibre shaker at the bottom of the hopper;
 Level sensors.

WATER TANKS AND PUMPS

2 water tanks;
 Capacity – 400+400 L;
 Low water level switches;
 High pressure pump to supply water to the mixture;
 High pressure pump for cleaning with a nozzle and hose reel.

MIXING TUBE

Tube with auger inside to mix and discharge concrete mixture.
 Rubber hatches for cleaning with quick access.



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Hencon follows a continuous improvement policy and can make changes to the vehicle design – without impairing its performance – with no prior notice.