

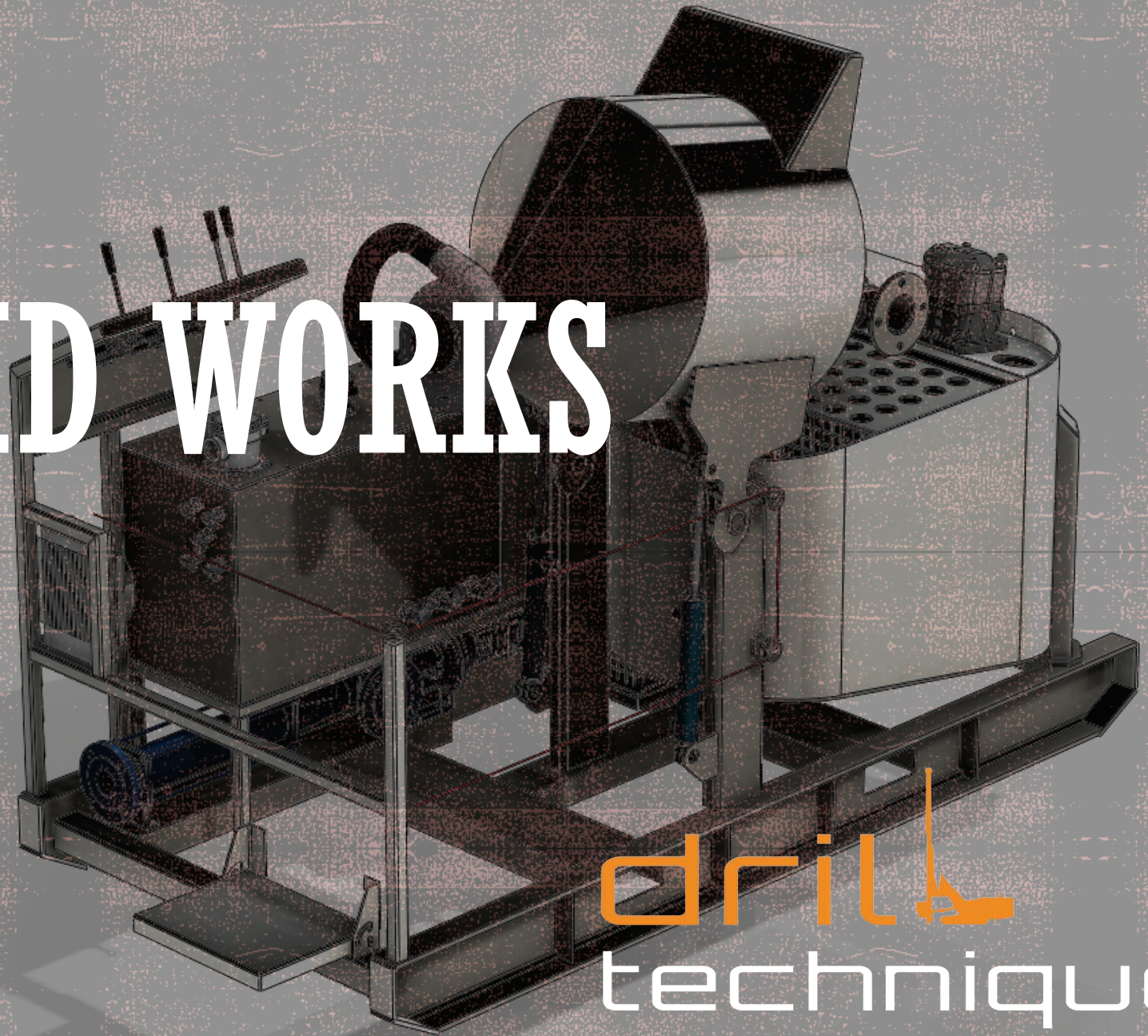


# GM1 GROUTING & MIXING PLANT

Equipment Overview



# 3D SOLID WORKS DESIGN



**drill**   
**techniques**  
EXPERTISE DRIVING PERFORMANCE



## **BUILD PROCESS / MATERIALS**

- The 3D Design enters fabrication stage after the steel shapes have been sent for laser cutting and return to our fabrication workshop to begin the pre-paint fabrication and pre-fit.
- The hydraulic components such as cylinders, motors, pumps and valves are procured and painted along with the disassembled steel components post pre-fit

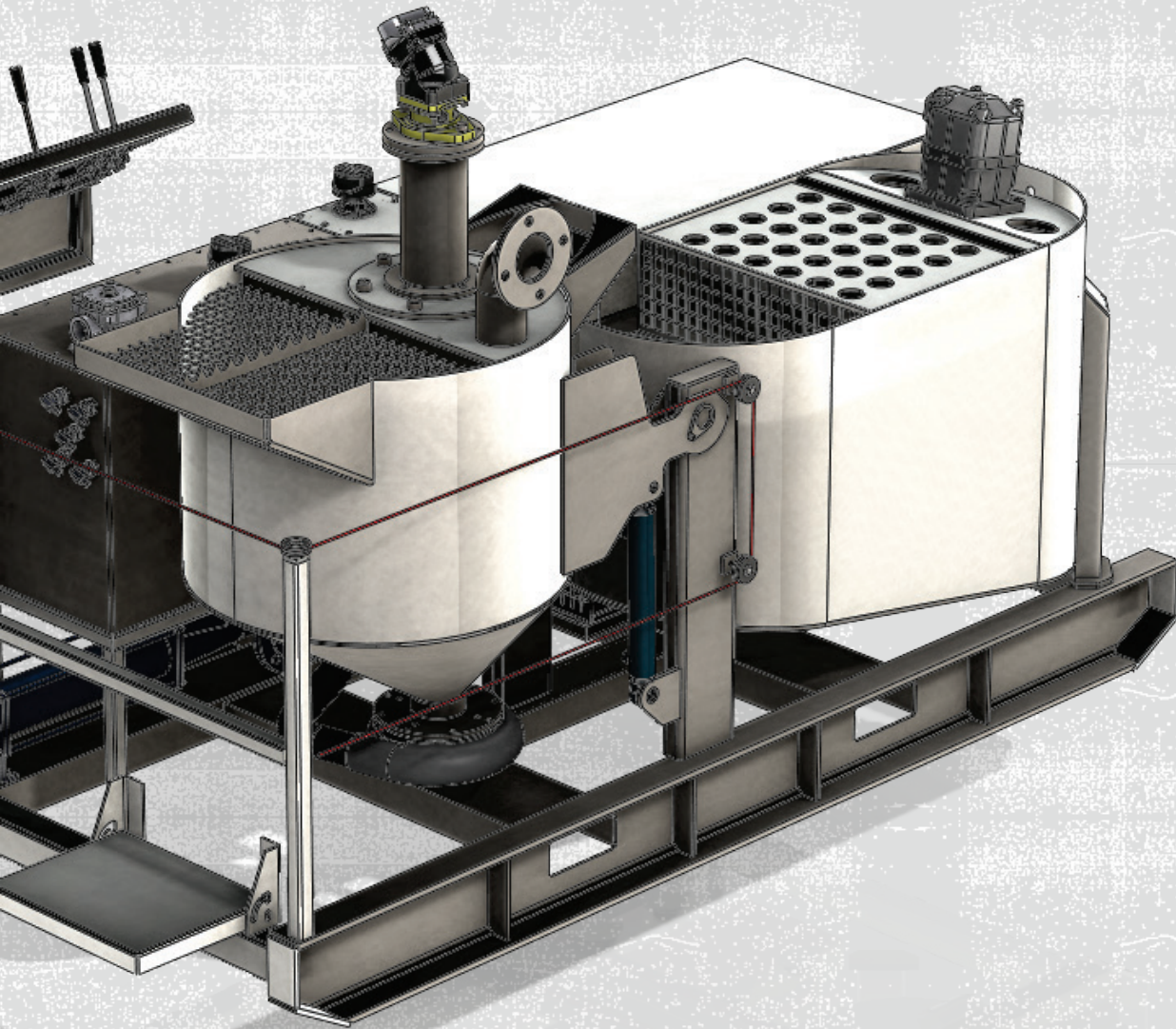




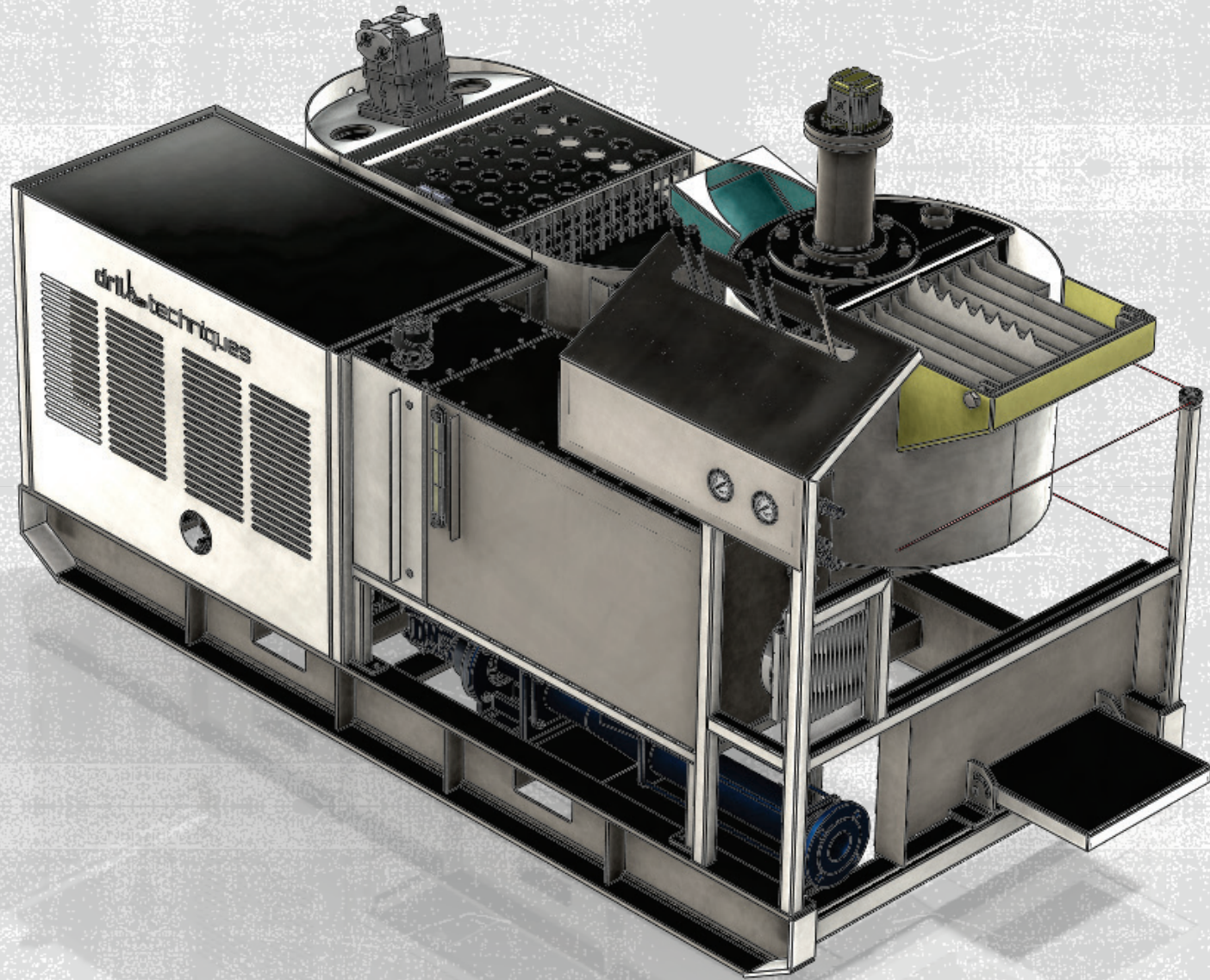
## PRE PAINT ASSEMBLY

- Items complete but not shown in the pre-paint assembly include:
  - The frame and cowling around the engine
  - The fitting of the pressure cleaner
  - Bag breaker
  - Tank screen
  - Agitator

# CONFIGURATION



- 1-1.5 m<sup>3</sup>/h maximum mixing capacity (with water/cement ratio = 1:1)
- Mixing tank capacity: 150 litres (Turbo mix pump, open impeller type (700 l/min max. delivery @ 1 Bar) hydraulically driven
  - Includes bag breaker and hopper mounted on the side of the mixing tank
  - Transfer of the mixture is via a hydraulic tipping function into the agitator tank
  - Cleaning via hydraulically driven pressure cleaner and bottom clean-out plug
- Agitator tank capacity: 300 litres (Vertical shaft, hydraulically driven, with 4 level steel blades)
- Grout Pump: Mono C14B screw pump (Hydraulically driven), Progressive cavity screw pump:
  - Max flow rate 100 l/min, max pressure 12.0 bar
- Sound abated hydraulic power pack – DIESEL 17 Kw
- Approximate weight: 1,300kg



# GM1 MIXING PLANT, 1.5M<sup>3</sup>/HOUR MIXING AND INJECTION PLANT





# GM1 MIXING PLANT, 1.5M3/HOUR MIXING AND INJECTION PLANT