

Specifications



SERVICES

- Pumped Grout Bag Support
- Structural Grouting Repairs
- Structural Grout Strengthening

ADVANTAGES

- Australian designed and built
- EN12079 Lift Rated
- Dust Free Grout Spread
- Low cement material wastage
- Streamline management and operations
- Small vessel foot print
- Cost effective

OVERVIEW

Tamboritha has engineered and fabricated a dust free grouting spread with heave compensated turntable deployment & hydraulic hose reeler. The spread has a small vessel foot print and is able to produce uniform grout, by controlling the proportion of cement.

Our deployment A frame is suitable for remotely deploying two turntables concurrently with the capacity to seat dual grout bags.

The grout mixing plant consists of a silo, pneumatic transfer system, approved filtration system, weigh hopper, recirculating jet mixer (RJM) and continuous displacement grout pump. All grout batches are monitored using specific gravity mud balance. Grout strengths can be verified onshore or on site by AS cylinder UCS as required..

DETAILS

BATCHING PUMPING PLANT

4000mmL x 2400mmW x 2703mmH, Weight: 3T

- Cement weigh hopper with PLC control: 2.5 tonne weight holding
- Cement replenishment dust managed by Silo Top filtration: 24m2
- Grout batching hopper (enclosed to contain dust): 1.5m3
- Grout pump, variable output: 450 lt/min (15 KW drive with a 18 KW VSD)

LABORATORY / WORKSHOP

1800mmL x 2400mmW x 2450mmH, Weight: 2.5T

- Compression Testing Machine: PILOT COMPACT (C13C02)
- Grout balance: OFITE (4 Scale: #115-00)
- Height / Diameter Gauge (Cat # 55-C0130.Con)
- Reusable moulds, 100 Ø x 200mm (as per AS 1012)
- 240 VAC power connections and lighting compliant to IP56
- Workshop tools and spare fittings suitable for remote are operations

INSTALLATION TURNTABLE

1800mmL x 1800mmW x 1600mmH, Weight: 1T

- Single or dual grout bag deployment
- Grout hose transfer fitting to suit multistage grout bags
- Bend restrictor on hose connection



Specifications

GROUT HOSE REELER

1650mmL x 2000mmW x 2400mmH, Weight: 1T

- Dual hose capacity (2 x 120m)
- Pressure rated delivery hoses (50mm)
- Hydraulically powered for safe deployment and recovery of grout hose

SUBSEA TURNTABLE DEPLOYMENT A FRAME

4500mmL x 2500mmW x 3000mmH, Weight: 3T

- Integrated deployment winch c/w 12mm Kevlar deployment down-line (WLL: 2 t)
- Provision for grout hose connection to down line
- Overhead grouting hose management for safe deployment of turntable and grouting hose

AIR SUPPLY

1800mmL x 2400mmW x 1800mmH, Weight: 1T

- 400 cfm air compressor (Diesel powered)
- Active de-watering unit
- High flow pressure regulator (for supply to Cement silo)
- Pneumatic supply manifold

CEMENT STORAGE

6100mmL x 2500mmW x 2650mmH, Weight: 4.5T Net

- 25m 3 Dry cement silo
- Pressure rated filler and transfer (100mm)
- Certified pressure relief

