



Chemgrout CG-500HP

Soil anchoring & perimeter piling

CASE STUDY

Background

CGS customer, Fusion Civil, was awarded the contract for rock anchor works at a shopping centre development site of c.3,500sqm. 200+ rock anchors were required around the site perimeter. Fusion needed a specialised grouting solution with the ability to batch multiple grout mixes simultaneously and continuously, high pressure delivery and high volume output.

CGS Solution

The Chem Grout CG-500HP (high-pressure) grout plant presented the perfect solution to achieve Fusion's desired objectives.

The CG-500HP utilises a double-acting positive displacement plunger pump, delivering high volume output. It includes two mix tanks, capable of mixing and batching two different grout mixes, and allowing operators to batch and pump non-stop. The centrally positioned hopper is fitted with a fine mesh screen, preventing grout packaging paper and hardened clumps of dry grout from entering the plunger pump. The reversible mixing paddles completely shear the cementitious mix, creating a homogenous grout mixture perfect for pumping.

Utilising the combination of an Ingersoll Rand ECM-660 Drilling Rig and ChemGrout's CG-500HP, Fusion installed 8-9 anchors per day minimum.

The ability to speed up and slow down the mixing paddle via the hydraulic reversible control valve proved incredibly valuable, limiting splashes of grout whilst bags were broken into the mix tanks. Fusion was able to mix two different grout batches simultaneously, first pumping a very low viscosity mixture to act as a drilling fluid, then switch to a higher density mix once the final rod was ready to be inserted.

The CG-500HP is the perfect grout plant for ground stabilisation projects, including soil anchoring. Contact CGS Equipment today to discuss how the Chem Grout range can help your business deliver bigger, better projects with confidence.

