



D&C
Engineers

Aggregate Storage solutions



☎ (01827) 54824 ✉ enquiries@dandcengineers.co.uk 🖱 www.dandcengineers.co.uk

📍 Unit 1 Mariner, Coton Farm Industrial Estate, Lichfield Road, Tamworth, Staffordshire B79 7UL



D&C Engineers

Aggregate Industries Redruth:

- **Tilting receiving hopper.**
 - 30-ton capacity tilting hopper.
 - This system allows the delivery truck to discharge 30 tons of aggregate onto the receiving hopper in it's start position and then vacate the site.
 - Reducing site congestion.
 - Beneficial for traffic management planning.
 - No requirement on site for aggregate storage bays.
 - No requirement on site for a loading shovel.
 - The hopper will then tilt from horizontal to vertical via 2No hydraulic rams.
 - Once vertical (In the finished position) the hopper will sit like any conventional above ground hopper and will discharge the aggregate via a short conveyor onto the existing plant radial conveyor, which will then fill the bins accordingly.
 - Components:
 - Fully welded, one piece hopper and tilt frame.
 - The pivot pins are to be machined once the hopper has been fabricated, in turn allowing a smooth running tilt action.
 - Short horizontal aggregate conveyor.
 - Motor/ gearbox driven with variable speed.
 - 2 number hydraulic rams with anti-drop device. The hydraulic rams will be piped directly into the hydraulic power, which sits alongside the hopper.
 - Flexible hydraulic hoses will be utilised between the power pack and the Rams.
 - Power pack is housed within a single skin clad cover.
 - Electric operated vibrator.
 - Safety Features:
 - Perimeter fence.
 - Complete with electrically operated double door access for delivery vehicles.
 - Single pedestrian door access, for maintenance with key lock system.
 - There is the ability to control the hopper from 2 locations on the site.
 - Operations as a result of the technical design, manufacture and installation of the control system.
 - Perimeter gate:
 - Slide open.
 - Slide closed.
 - Tilting hopper:
 - Tilt.
 - Return.
 - Conveyor:
 - Stop.
 - Start
 - Vibrator:
 - On.
 - Off.

The tilting hopper has multiple means of alerting the drivers of the delivery vehicles that they're in the correct position for offloading. The drivers have the option to either reverse up to a prefabricated backstop, or they will be alerted by breaking the beam of infrared light on the positioning system.

Contact us to find out more:

☎ (01827) 54824 ✉ enquiries@dandcengineers.co.uk 🖱 www.dandcengineers.co.uk

📍 Unit 1 Mariner, Coton Farm Industrial Estate, Lichfield Road, Tamworth, Staffordshire B79 7UL