



COMMON USES:

- Cutoff Walls
- Retaining Walls
- Circular Shafts
- Temporary Walls for Urban Excavations

Cutter soil mixing (CSM) provides a cost-effective solution for the rapid construction of retaining and cutoff walls by mixing soil in-situ with a cement/bentonite grout. Like traditional walls, the CSM wall consists of adjacent male and female panels. Depending on soil conditions and specific project requirements, the soil is mixed and grouted, following pre-determined procedures, during the drilling and the extraction phases.

The CSM wall is constructed using newly-developed equipment derived from diaphragm wall cutter technology. It consists of cutting and mixing drums mounted on compact hydraulic motors. The drums are essentially designed to combine high penetration rates with excellent soil/cement mixing. The precise positioning and verticality of the wall is achieved using a Kelly bar. CSM incorporates the latest monitoring technologies. Real-time processing of the construction parameters ensures optimum control and a high standard quality product.