

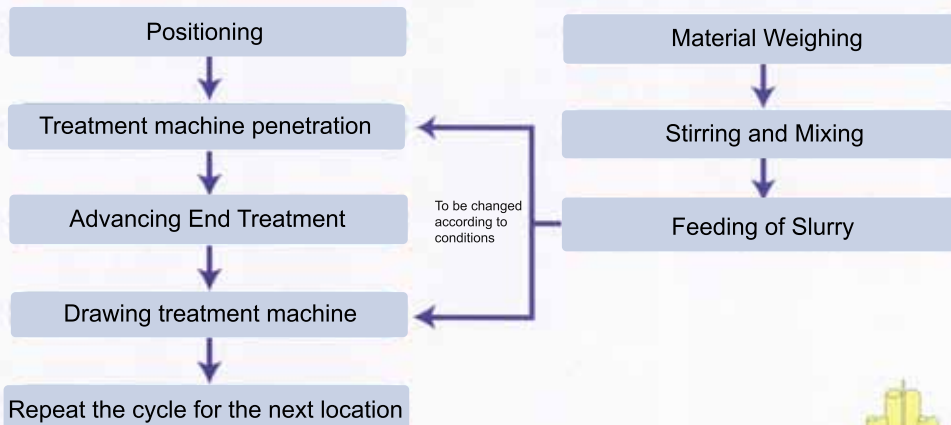
Deep Mixing (CDM) Method

The Deep Mixing Method uses cement-base solidifier slurry to be stirred and mixed with soft soil by a treatment mixing equipment to improve the strength of soft ground to a specified level in its natural position. The strength of treated soil is increased by hydration reaction of cement-base solidifier and water and by pozzolanic reaction of calcium hydroxide produced by hydration reaction and cohesive soil.

Features

- ★ Avoid sea water turbidity since soft ground is solidified in its natural position
- ★ Perform with low noise, vibration and hardly affecting the neighboring existing structures
- ★ Powerful excavation stirring facilitates penetration into relatively hard stratum.

Working Procedure



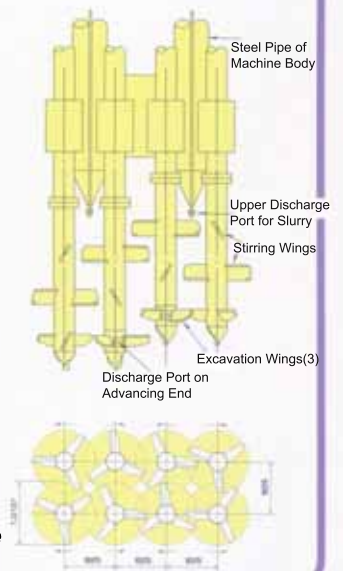
Equipment to be Used



Working Vessel at Sea



Work in Progress (on Land)



Advancing End of Treatment Machine (Working Vessel)

Completed Projects Record

Project Name	Duration	Project Site	Client	Objective	Improvement Length	Soil Volume
Tokyo Airport Joint Temporary Works	89.6~90.3	Tokyo	Transport Ministry	To increase strength of foundation ground	44.0m	66,100m ³
Aoumi Multi-Service Tunnel Construction Work	91.11~93.10	Tokyo	Rinkai Fukutoshin Kensetu K.K.	To increase strength of multi-service tunnel	16.0m	53,900m ³
RI Quaywall Remedial Work	95.9~96.10	Kobe	Transport Ministry	To increase strength of quaywall foundation ground	11.8m	625,200m ³
Ground Improvement Work for New Sea Area Landfill Site	96.3~98.5	Tokyo	Tokyo City	To increase strength of revetment foundation ground	45.0m	493,300m ³