CBA's Mobile Injection Treatment Unit
Model: MITU-LVR

- In-Situ or Ex-Situ treatment in all soil types
- Up to 16 feet wide and 4 feet deep cut in a single pass
- Exempt from most air quality permitting

The Mobile Injection Treatment Unit Technology has been patented and successfully operated by CBA since 1993. The Large Volume Remediator (LVR) consists of a 3 ft to 5 ft diameter rotating drum mounted to a conventional track trenching machine.

The MITU-LVR is capable of treating organic and inorganic contaminated soils either in-situ or ex-situ. The MITU utilizes the rotating drum/trenching action along with heat and various other reagents to remediate contaminated soils. The cutting/mixing action of the MITU-LVR allows superior soil/reagent blending and soil density breakdown in all soil types.

Model MITU-LVR Specifications

Track Trencher
Various (typically mounted to Trencor® or Vermeer® trach trenching machines).

Approximate Weight
Trencher: Varies
Disk Drum: 13,000 lbs.
Solid Drum: 15,000 lbs.

MITU Rotating

Disk Drum:
Length: 12ft - 16ft
Diameter: 5ft

Drum consists of 8 to 10 individual solid steel disks with carbide cutting teeth. Superior perormance in homogenization and reagent mixing.

Solid Drum:

Length: 10ft - 12ft 8 in
Diameter: 4ft

Solid steel drum with carbide cutting teeth designed to create a veil or soil beneath the Superior performance for forced hot air/thermal desorption applications.

Hood Assembly
The hood assembly is constructed of heavy gage plate steel. The hood serves as both as an environmental control device and as a thermal treatment unit. Hot air is forced into the hood across the soil veil while vapors are collected for on-board treatment.

Vapor Treatment
Vapors are typically transferred to an activated carbon filter assembly, mounted on the rear of the trencher, at flow rates between 100 cfm to 300 cfm. Vapors can also be transferred to a separate thermal/catalytic oxidizing unit for treatment.

Heat Generation
Exhaust from the trencher is captured and delivered through a heat exchange unit to provide forced hot air at temperature ranging from 200° F to 800° F.

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