

GEOPROBE® SYSTEM - TOOLS FOR SITE INVESTIGATION

A Geoprobe is a hydraulically-powered, percussion/probing machine designed specifically for use in the Environmental Industry. The first Geoprobe brand machine was built for the Environmental Protection Agency in 1988.

Soil probing techniques can be thought of as a subcategory of what are commonly referred to as "Direct Push" techniques. Direct Push refers to tools and sensors that are "pushed" into the ground without the use of drilling to remove soil or to make a path for the tool. A Geoprobe relies on a relatively small amount of static (vehicle) weight combined with percussion as the energy for advancement of a tool string. Using a Geoprobe, you can drive tools to obtain continuous soil cores or discrete soil samples. You can drive samplers to obtain groundwater samples or vapor samples. You can insert permanent sampling implants and air sparging points. You can drive a conductivity sensor probe to map subsurface lithology. You can install small diameter monitoring wells. In fact, the Geoprobe has been used to perform many of these functions to depths of 100 feet (30m) or more where the geology and soil conditions are appropriate.

Complete with the ruggedness and power of standard Geoprobe machines but transferable from one carrier to another, **the Geoprobe Model 540U** is a hydraulically powered soil probing unit equipped with a 5.5-gallon (21 liter) gasoline tank, 14-gallon (53 liter) hydraulic oil reservoir, and integral hydraulic oil cooler. It requires no auxiliary power during probing operations. This compact unit allows for shipment across the country or overseas. You can expect quiet operation from the powerful 20-Hp, water-cooled, V-twin engine. It also features hydraulic lateral swing for easy placement of the probe over the work area.



The compact size of **the 6610DT** gets you in to confined spaces to get the work done. Because the weight of the unit is evenly distributed over both tracks, the 6610DT can easily maneuver through shallow water, soft sands, or muddy fields. But its convenient structure doesn't sacrifice strength... the 6610DT is as powerful as the truck-mounted 66 series units with 42,000 pounds of pull.

The Geoprobe Model 5410 probing machine has double the structural strength as its predecessor, the Model 5400, but weighs the same. Topping the list of new features is an electronic depth indicator which tracks the depth of your sampling tool on a digital read out on the main control panel. Faster probing, a stronger foot, and added safety features are all included in the new design elements of this machine.

