

WHY GRUNDOMAT-P?

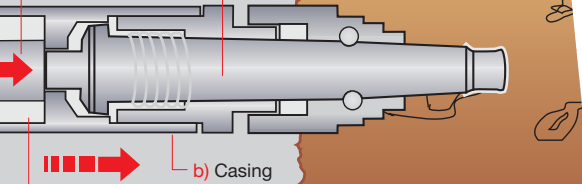
GRUNDOMAT Soil displacement hammers are designed to install pipes and cables over distances up to 50m (150 ft) and pipe sizes up to 200mm (8"). These GRUNDOMAT hammers or "moles" as they are referred to have an unique reciprocating chisel head for bores Direct on Target.

Design: Chisel head and casing are 2 separate items
 Functioning: 2-stroke system

Piston



a) Chisel



The piston strikes onto the
 a) chisel
 b) casing

In the 1st step, the piston strikes onto the chisel head assembly which is propelled forward as the piston accelerates and impacts against the rear of the chisel.

In a 2nd step the piston strikes onto the casing pulling it into the previously created bore hole together with the pipe to be installed.

Effect: the impact energy is concentrated onto the chisel so that ground resistance at the chisel head is overcome, leading to high single stroke impact energy, high directional stability, reduction of the soil friction and high boring speed. All in all: a **highly efficient** and **accurate** hammer.

Besides the chisel head system the **TT servo control** is another major advantage.

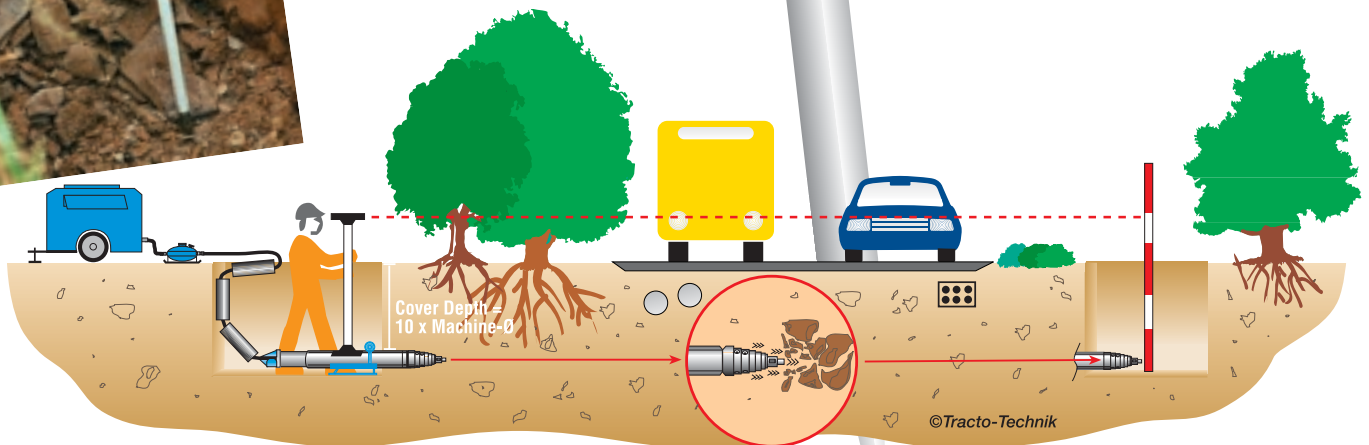


Advantages of the Tracto servo control:

- easy lever operation - immediate reaction
- fast switching from forward to reverse mode
- no unintentional mode switch
- no need to stop the hammer during mode switch
- mode switch using the lever, not the air hose

As leading pioneers in manufacturing soil displacement hammers, with decades of experience, we fully understand the requirements of our customers: lasting **quality and reliability** which is guaranteed by specially hardened components such as chisel, head and piston.

Some GRUNDOMAT models **can also be used for steel pipe ramming**



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 for perfect pipe
 installation.*