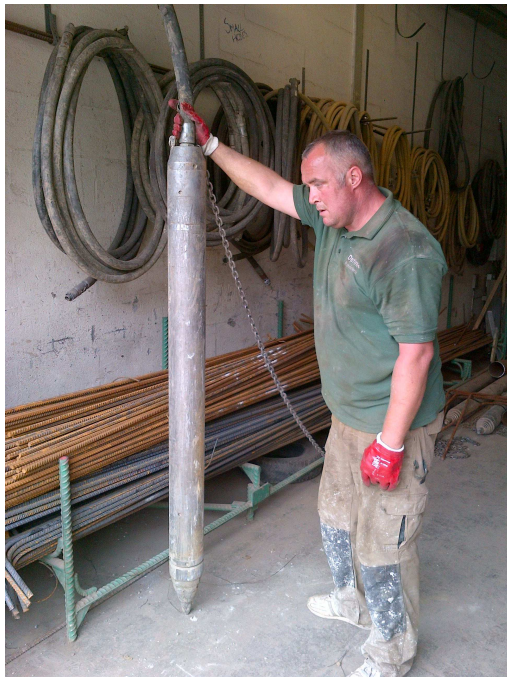


Grundomat Piling Mole

This system is used to install of load bearing piles and is used in the domestic market to act as new foundations for extensions or underpinning of existing structures, which are already in structurally distressed states in addition to commercial projects where vibration is a concern. The equipment, which is powered by a 150cfm air compressor, is a high frequency, low vibration-piling machine that drives a steel casing from the bottom into the ground.

This system is a derivative of the horizontal mole techniques used to install service ducts beneath roadways where it is impractical to excavate.

Below are a couple of photographs to give an indication of the size of the plant which hopefully demonstrates the low impact /sympathetic nature of the proposed system. The system can be used in areas surrounding tree roots. Should a major root be encountered, the pile will be unable to penetrate/sever the root, the pile casing can be extracted and redriven in another location.



Grundomat mole used to install the pile



Restricted site working on decking over a lake to provide foundations (Grundomat is inside the casing)

Once the steel casing has been installed to a satisfactory “set” the Grundomat is winched out of the tube and concrete and reinforcement is placed forming a pile with a max SWL capacity of 100kN.