

Piling Equipment Specialists

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In early 2024 ABI Equipment provided Vibro Ground Improvement Specialists with an ABI TM22 Mobilram to undertake Rigid Inclusion installation works on a site in Royal Tunbridge Wells where two large industrial units were being built.

Rigid Inclusions are typically grout or concrete piles that are installed into softer soils using rotary displacement techniques as a ground improvement method. The finished piles provide an economic solution to meet settlement criteria and improve bearing capacity typically over large surface areas.

VIBRO GIS used our ABI TM22 Mobilram to install 1800No Ø280mm piles to a maximum depth of 18.5m. The Mobilram was equipped with one of our VDW10050 double auger drive units, developing 150kNm of torque which made light work of installing the inclusions - regularly achieving more than 70No piles per day.

Royal Tunbridge Wells

Our client: Vibro Ground Improvement Specialists

Equipment: ABI TM22 Mobilram
VDW10050 Auger Drive

Application: Rigid Inclusions



Powered by a 470kW CAT C18, EU Stage V low emission diesel engine operating in conjunction with ABI's unique Efficiency Drive System, the rig was routinely able to return a fuel consumption of only 400-litres per day. Ground conditions were soft clays.



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Mark Henry, Operations Director, and joint founder of Vibro Ground Improvement Specialists commented:

“We have been extremely impressed with the performance of the TM22. This is the first time we have used an ABI Mobilram for this type of work, and it has not only exceeded our expectations in terms of production rates, but we have also been pleasantly surprised with its overall efficiency, particularly its fuel consumption. The job site has been a quieter and more environmentally friendly place to work.”

