

Pennine Vibroflots

Pennine offer a range of vibroflots for ground improvement, with different models available depending on the soil conditions and techniques to be implemented.



300 Series

HD 130

The HD 130 is the original Pennine vibroflot. It operates at 50 Hz with a power output of 98 kW. It is mainly used for stone column construction and fitted to Pennine's bespoke vibropiling rigs.

HD 150

The HD 150 is more powerful than the HD 130 (130 kW) but physically looks the same. The extra power improves its ability to penetrate, particularly in difficult strata. It also operates at 50 Hz and is capable of both stone column work and sand compaction.

BD 300

The BD 300 is designed to operate at 30 Hz for sand compaction and constructing stone columns using water flush (i.e. where ground penetration is not difficult). In soils requiring stone columns and compaction of granular material it is the ideal vibroflot.



400 Series

BD 400

The BD400 vibroflot is designed to operate at between 25 to 30 Hz, making it ideal for large deep compaction projects where wider column spacings enable time and cost savings.

BD 500

This is the most powerful vibroflot in the Pennine range, purposefully designed for sand densification with the operating frequency of 20 Hz being at the minerals natural compaction frequency. The system is mainly used in the Middle East for ports, airports and other large civil engineering projects.

Accessories

A range of accessories such as hoses, isolators, extension tubes, crane and rig mounting parts are available for both the 300, 400 and 500 series vibroflots.