

ARCHWAY ENGINEERING (UK) LTD

Archway Dart rigs are mechanically simple and easy to operate. The rigs are designed for use by a single operator and drilling can begin within minutes of arrival on site.

Because the units are light in weight, site disturbance is minimised, making the Dart ideal for use on environmentally sensitive sites. The rigs are highly mobile and manoeuvrable, they can be tracked up slopes and can negotiate difficult terrain.

The Dart is ideal for work on sites with restricted access, close-up against walls and inside buildings, where it would otherwise be difficult to obtain samples.

Sampling is achieved by a percussive method. The drive mechanism consists of a chain-driven drop weight that repeatedly strikes an anvil, driving the rods and sample tubes into the ground. The rig can drive sample tubes into all soil types, but it is not designed for sampling or coring in hard rocks.



Hydraulic take off points allow secondary equipment, such as hydraulic breakers, to be used in conjunction with the rig.

The unit features expanding tracks which create an increased footprint and load spreading on softer ground (750mm TO 1050mm)

The weight and the drop height are adjustable, enabling Standard Penetration Tests (SPT) and Dynamic Probing (Lost Cone) Tests (DPH and DPSH) to be carried out as well as soil sampling. Blow rates up to 50 per minute can be achieved when driving sample tubes into the ground.

The Archway Dart features a patented rod extraction system which allows up to 5 metres of rods to be extracted simultaneously, allowing much faster operating times per hole and increased productivity.