



For Solar Farm installations we offer screw piles or vibrated post foundations.

They can be installed with either our 500X torque head or our Mini/Midi PostMaster - both of which are mini-excavator mounted.

## Vibrated Posts

Mini-Postmaster - Installing 60R metal post



- Excavator mounted vibrator
- Rubber mounted to reduce noise
- 1.2m penetration in 12 seconds
- No concrete
- Mini-Postmaster can move, reposition and extract posts

## Screw Piles

500X Torque head- 60R anchor with conical extension



- Machine mounted or hand installed
- No Vibration
- 2-3m/min penetration
- Simply unscrew and reuse

# Solar Installation

## 500X Torque head installing 60R anchors

- Screw piles can offer up to 120kN per pile. Alternatively the vibrated posts can offer up to 30kN per pile in both compressive and tension.
- Installation is quick and accurate
- Posts and screw piles can be built on immediately



## Mini/Midi Postmaster

Vibrated posts can be installed at up to 200 posts an hour!

**Mini-Postmaster** - Fits 1.5 to 3 tonne machines  
Max Post 150mm Diameter

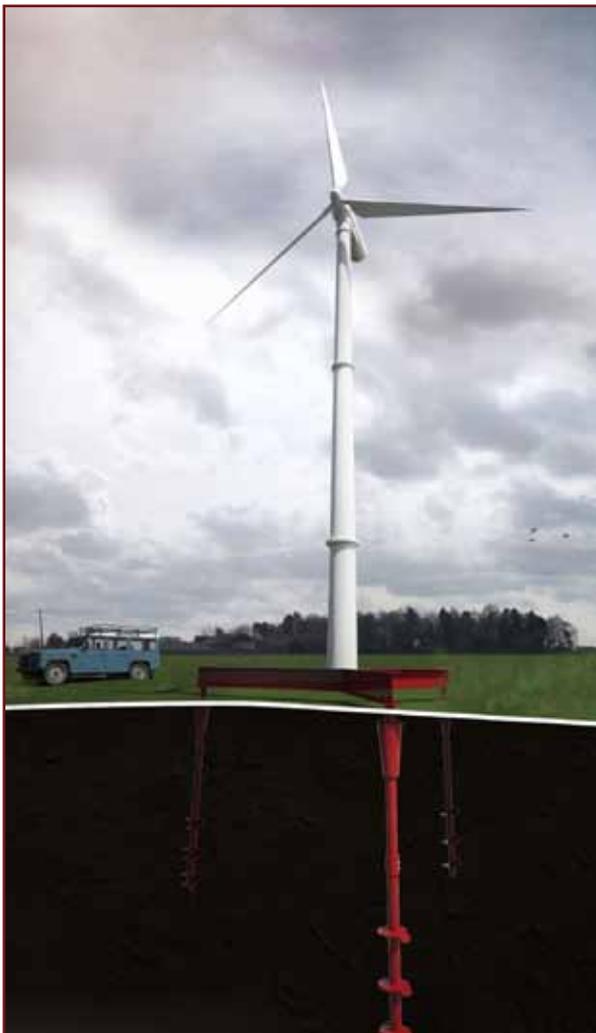
**Midi-Postmaster** - Fits 1.5 to 3 tonne machines  
Max post 200mm Diameter

(Installs various post materials, shapes and sizes)





Offering fast and accurate foundations that can be built on immediately



## Conical Anchors

Our conical topped screw pile is specifically designed to resist lateral loads which are common in high structures such as wind turbines.

The conical top compresses the soil around the top of the pile and offers a very stable flat base for connection.

These piles are usually installed in groups of 3 or more to form a rigid foundation for wind turbines.

We have versions available to suit very soft "peat" type soils through to hard compacted chalk or fractured rock.

 View our demos on the [autoguideequipment](#) channel





## STEP 1



2500X Driving an 89R Conical Rock Pile in very hard chalk

## STEP 2



Tripod design allows easy installation and mast can be lowered for maintenance

## STEP 3



5 KW turbine/installed in half a day

## Features

- Conical topped Anchors can resist lateral loads up to 5kN
- 60R Screw piles can resist compressive and tensile loads up to 120kN
- Screw Piles can be installed to depths to achieve required installation torque.
- Conical tops allow easy fixing using a single M30 thread
- The same system can be used for road signs, small towers and mast bases.
- Screw piles can be installed to exact levels using a laser level
- Screw piled foundations can be installed within 2 hours per tower and built on immediately
- No vibration or excessive noise when installing screw piles