



**YOUR SAFETY IS OUR PRIORITY**



**24 hour  
call out  
service**

**0800 047 8775**

**Office: 01354 658888**

**[www.suctionexcavationuk.co.uk](http://www.suctionexcavationuk.co.uk)**







# About Suction Excavation UK

**Suction Excavation UK Ltd provide vacuum/suction excavation with nationwide coverage and a 24/7 emergency call out service, in one or two man teams.**

We are available for free site consultations anywhere in the UK to assess and help you plan your projects. Operating from various UK locations, so we are never far away. We can operate vehicles from 14 and 26 tonne, right up to 32 tonne. Each machine comes with a vast selection of fan arrangements to suit your requirements and different back arms for every application.

**Suction Excavation UK are constantly pushing the boundaries of Suction Excavation. We are constantly using new equipment, striving towards non-mechanical excavation.**

## **We are continuously improving site safety across a wide range of industries**

**Call us on 0800 047 8775**





# Our Fleet



## 32T TRIDEM

This is one of our 32T TRIDEM Vacuum Excavator units. It is the largest & most powerful unit we run. It is perfect for deep or long reach excavations & allows for great increase in productivity.

It equips an industry leading 12m<sup>3</sup> capacity skip which defeats our competitors\* capacity at what is usually 9m<sup>3</sup>. This will decrease tipping times & greatly increase efficiency.

Any material up to 250mm diameter will be easily removed from an excavation, as well as any foreign objects.





## 26T DINO

**This is one of our 26T DINO Vacuum Excavators. The DINO is no less capable than the 32T TRIDEM, the only real differences are the physical dimensions.**

This means that for sites with highly restricted access, the DINO is more likely to navigate through narrow streets, compounds, & sites. This means however you will sacrifice bin volume, so more time will be spent tipping. Regardless the 26T is a handsome machine & just as capable as any larger unit

Any material up to 250mm diameter will be easily removed from an excavation, as well as any foreign objects.



## CITY DINO

**This is our City Dino Sucker unit. This unit is perfect for works in inner city locations where access for larger machines are restricted.**

Our unit is a twin fan & comes fitted with a hydraulic arm. The unit provides performance levels not too dissimilar from it's larger relatives. The unit tips to the rear & into the ground or into bags.



# What is Suction Excavation?

**Excavation is a necessary part of below-ground construction. It's primarily used to create building foundations, but is also commonly during the laying and maintenance of below-ground pipe and cable systems.**

It's one of the more risky aspects of civil engineering and can be both costly and disruptive so there have, over the years, been a number of innovations designed to improve the effectiveness of the excavation process whilst minimising its environmental impact and reducing cost across the board.

One such innovation was that of vacuum excavation, a relatively new technique designed to improve excavation speed whilst reducing associated health and safety risks. Instead of using machinery to haul out soil, a high powered suction system is instead employed to remove all unwanted materials, both solid and liquid, from the excavation site.

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# How does Suction Excavation work?

When carrying out vacuum excavation, a blast of air is first directed into the site in order to loosen soil and break up any large materials.

Afterwards, an air vacuum hose is passed into the site and used to suck the loosened materials out of the hole and into a specially designed tank, ready to be transported elsewhere or saved for refilling the site later.

Because vacuum excavation technology is relatively low-impact and non-destructive, it's fast becoming the preferred excavation method for fuel and energy distribution industries, as well as other industries for whom both human safety and environmental impact are major factors.

It's also been successfully deployed in situations where congenital digging equipment has been deemed inappropriate, or areas which are inaccessible to larger machinery.





# Why use Suction Excavation?

**Because vacuum excavation has so much less of an environmental impact than its traditional mechanical counterparts, it's a great choice for anyone with a vested interest in protecting their green credentials.**

It also reduces the need for manual hand digging, thereby lessening the associated health risks for construction workers on site. Most importantly, for both industry operatives and the general public, vacuum excavation is exponentially faster than other excavation methods, which is essential for reducing disruption to homes, businesses and services, especially within urban areas.

Finally, because vacuum excavation is so precise, it is much easier to carry out repairs once the excavation has been completed, which again has a positive knock-on effect on the surrounding environment, as well as any nearby business owners and residents.







# Suction excavation is perfect for...

✓ Safe excavation around buried pipelines and cable networks

✓ Rail ballast removal

✓ Water treatment filter bed clearance

✓ Roof clearance

✓ Basement work

✓ Culvert clearing

✓ Emergency repair service for all pipeline and utilities network

✓ Deep Excavation and confined spaces


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✓ Sewer clearance

✓ Clearing around tree roots

✓ Long distance work





Traditional excavation methods are **notorious** for strikes.




Tier 1 contractor fined **£600,000** when a worker hit an electrical cable & was injured.



Utility strike costs on average **£30k** but can creep into millions.



Annually there are **12 deaths & 600 injuries** from contact with electricity cables.



Despite pre-excitation scans hand tool excavation accounts for **greatest number** of utility strikes.



**4 million excavations** every year to repair or install utility pipes and cables.





## Health & Safety Events

To always encourage safe practice, we often engage in Safety Stand Down events with some of our clients. This involves the explanation & demonstration of safe working practices when working around a suction excavator. Please get in touch if you would like us to participate in one of your Safety events to help educate & cultivate your teams.



## Specialist Suction Excavation

Each of our machines come with a vast selection of fan arrangements to suit your requirements and different back arms for every application. We are pleased to be able to offer a specialist Suction Excavation department. This method can be adapted to fit any size machine offering our clients the versatility of the tracked excavator and the safety of suction to achieve their end goal safely and quickly.



## Extension Pipes

Extension pipes can be used to reach the required depth, again proving how versatile the suction excavation trucks really can be. All jobs are completed safely by our highly trained Suction Excavation Team.

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providers of Suction  
Excavators across UK.**

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