

## Who are Vac-Ex Ltd?

Based in Doncaster, South Yorkshire Vac-Ex Ltd are designers and manufacturers of vacuum excavation systems.

Our sister company "Vacuum Excavation by John Mee Construction" has operated various vacuum excavation systems for many years. The experience they gained identified the need for an environmental mid-range system, hence the design and development of the Mod-Ex range.

By using the Mod-Ex system a vacuum excavator can be used from the base unit of 2500 CFM upwards to your required suction output.

## The Mod-Ex System

The Mod-Ex systems can be fitted to a range of support applications:

Mod-Ex C (Wagon chassis)	2,500 CFM plus
Mod-Ex T (Trailers)	2,500 CFM plus
Mod-Ex S (Skid)	2,500 CFM plus
Mod-Ex R (Rail stock)	2,500 CFM plus

The above systems are manufactured with interchangeable modules in order to increase or decrease the suction as required. Our design team are willing to work with your company to construct the Vacuum Excavation machine to suit your company's needs.

## Training

We offer a complete training package for operators' of vacuum excavators. This is to NVQ Level 2 standard, leading to City & Guilds Certification and to the widely recognised NPORS Card (National Plant Operators Registration Scheme). For the qualification, operators will follow a programme of induction and onsite assessments.

The site visits will be by the assessor who gathers evidence of competence whilst real work is being undertaken.

Our training is designed to ensure operators receive practical training as well as essential health and safety training.

Please contact one of our company representatives should you require further information.

## VACUUM EXCAVATORS

by VAC-EX Ltd

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Cross Bank, Carr Hill, Balby, Doncaster DN4 8BE

# VACUUM EXCAVATORS

by VAC-EX Ltd



## MOD-EX 5000C

THE FLEXIBLE MODULAR  
VACUUM EXCAVATION SYSTEM

[www.vac-ex.co.uk](http://www.vac-ex.co.uk) t: 01302 366900

# MOD-EX 5000C

The Mod-Ex 5000c is a powerful, yet compact unit which has its own stand alone compressor to allow controlled break up of the sub-base prior to vacuum recovery of the material to be excavated whilst removing the risk of operator injury and damage to the underground assets.

Vacuum excavation is the safest way to remove material from unknown obstructions or services being non aggressive and non invasive. It is an inherently safe system for uncovering and exposing buried utilities, tree roots and small excavations, providing a quick and clean method of material removal from awkward or sensitive areas.

Vac Ex recognise the necessity for a smaller footprint machine that can safely expose underground utilities and services without the risk to either the utilities or operator, and have the ability to create an appropriate sized excavation to undertake any intended work.

Vac-Ex Ltd and our sister company, Vacuum Excavation by John Mee Construction Ltd have many years of experience in the development, manufacture and operation of vacuum excavator technology in sectors such as Civil Construction, Utilities, Arboriculture and Petrochemical.

The Mod Ex 5000c Vacuum Excavator has already gained much interest amongst the UK's major contractors and local authorities for its ability to greatly increase productivity over traditional hand dig or mini-digger methods.

Traditional exploratory excavation techniques even when used with ground penetrating radar or cable avoidance tools can expose ground workers to risk of injury and in many cases lead to project delays and expensive repair bills from service providers for the damage caused by operatives to repair their services.



SPECIFICATION	7.5t	12t
Length	7300mm	7800mm
Width	2370mm	2370mm
Height	2670mm	2670mm
Weight (empty)	7t	8.3t
Maximum vacuum depth	10m	
Span	30m	
Compressor	180cfm / 100psi 8 bar working pressure	
Arm radius	2.4m (in digging position)	
Vacuum hose	150mm	
Spoil tank	1.2m <sup>3</sup> cap	3m <sup>3</sup> cap
Vacuum type	quad fan	
Emptying	side tipping action (into bulk bags)	

## THE BENEFITS

Low fuel consumption

High output proven diesel compressor

3no. 110v power supplies for task lighting and traffic management

Fixed hand rails for safe working and maintenance

Remote control pneumatic arm system

Self cleaning filters for long term use

High pressure water system

Ideal for the vacuum of wet or dry materials

Touch screen for ease of operation

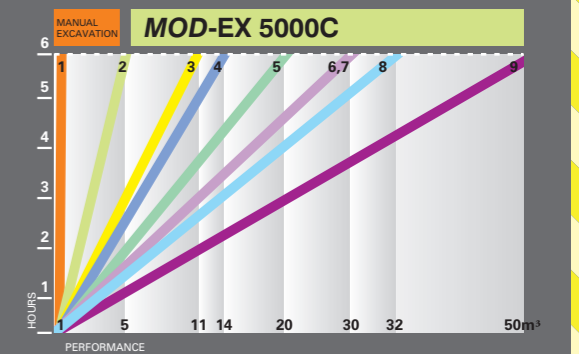
On-board weighing system to avoid the danger of overloading

Suitable for built-up areas and tight working environments

24hr parts and service call-out

Side tipping skip capable of filling tonne bulk bags

## PERFORMANCE COMPARISON



Manual Excavation

1. Manual excavation

Employing MOD-EX 5000C

2. Heavy soil

3. Sand wet

4. Wet sandy clay

5. Soil mix

6.7. Sand dry, Type 1

8. Gravel

9. Water

Above production rates can vary depending on tipping/ access to water/proximity to job