

FORCE  **ONE**
PROVIDING SAFE EFFECTIVE SOLUTIONS

iVac

The safe innovative solution for Suction Excavation



Unique to Force One Ltd, the iVac is a state-of-the-art, remote-controlled, compact track mounted Suction Excavator. The iVac is specially designed for use in projects which involve sensitive service excavations that are limited in size or difficult to access, such as off-road locations, in fields or in built-up areas where other excavators simply cannot reach, such as narrow roads or passages.

Typical applications for the iVac include cable and pipeline repair and underground construction work involving buried lines. It provides a safe, cost-effective and efficient alternative to the traditional methods of mechanical excavation or hand digging and helps eradicate the threat of cable strikes.

This is the second generation of iVac with these latest versions seeing enhanced features such as Tier 4 engines with 20% improved suction output. The filter system has also been greatly improved making cleaning and changing of the new filter cartridge quick and easy.



The iVac fleet ready to go with a two man A78 fully qualified operative crew.

Why Use Suction Excavation?

Non-invasive suction technology presents a far safer alternative to manual and mechanical excavation techniques. Although responsible contractors try to locate underground utilities before excavation work, errors can still be made and the results can potentially be catastrophic. In the case of mechanical excavation, damage can be caused to cables by equipment such as Mini Diggers and damaged underground cables can be potentially hazardous. The traditional alternative is hand-digging but this requires extra physical effort by operatives and potentially has very serious safety risks if operatives manually strike a cable. When utilities are struck and damaged using traditional techniques, revenue can be lost, there can be severe disruption to supply, negative publicity, fines imposed by the Health & Safety Executive (HSE) and at worst, utility strikes can even cause severe or fatal injuries. The iVac presents huge Health and Safety benefits over the alternatives of mechanical excavation or hand digging and has been welcomed by the industry. With the iVac safe dig suction technology can

now be used in areas previously unreachable by standard large suction machines.



Size and Footprint:

The iVac weighs just 2.95 tonnes and has a footprint of 2m x 1.6m which means it is extremely mobile and can be used in many areas which would have otherwise proved inaccessible.



Specification:

Model: iVac Mk2

Engine: JCB Tier 4 ECOMAX DCM 3.3+

Fuel: Red Diesel
(Tank capacity 80 litres)

Compressor: Hydraulic driven motor, air output (100cfm) - 7 bar/100psi

Turbine volume: 17000 cubic metres/hour

Track: Rubber construction hydraulic driven

Remote Control: Radio remote control system for drive and operational functions

Weight: 2950kg

Noise emission: Full output 93dB

Spoil tank: 0.6 cubic metre capacity gravity fed dispensing

Suction hose: 10"/250mm diameter The iVac is supplied with an air lance and compressor air hose

Contact Force One Ltd:

For further detail on the iVac together with hire options and rates please contact our offices at March Cambridgeshire.

Force One Ltd
Unit 8 Arthur Park
Thorby Avenue
March
Cambridgeshire
PE15 0AZ

www.forceoneltd.co.uk
enquiries@forceoneltd.co.uk
Tel: 01354 655441