

nForce

MOBILE AIR-LANCING



Cordless, battery-powered air-lancing for safe excavation around live cables, mains, services and fibre. Exposing utilities is fast and free from the risk of strikes. Operated by a single person, nForce has no trailing pipes, no compressor truck and no engine emissions.

<p>○</p> <p>STRIKE RISK</p>	<p>○</p> <p>LOCAL EMISSIONS</p>	<p>○</p> <p>TRAILING CONNECTIONS</p>
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Network Applications

- ▶ Joint bay and cable repair excavation
- ▶ Confined-space, cellar and chamber works
- ▶ Tree-root clearance around buried mains
- ▶ Pole, lamp column and street furniture footings
- ▶ Service connection exposure – gas, water, electric, fibre
- ▶ Fibre micro-trenching and duct installation
- ▶ Potholing prior to directional drilling or open cut
- ▶ Frost-bound or rock/root-impacted ground



Specifications

Rated power	7.5 kW
Battery pack	80 V DC, 45 Ah (3.6 kWh)
Runtime per pack	~30 min continuous lancing
Operator workflow	Swap-out Batteries
Compressor	2-stage oil-free centrifugal
Nozzle exit velocity	Mach 1.64
Mass (machine)	50 kg (wheeled trolley)
Width	680 mm
Air output	Oil-free, ISO 8573-1 Class 0
Operator interface	PLC + handle trigger
Noise level	75 dB(A) @ 1 m
Ingress protection	IP44 rating

Why Network Teams Choose nForce

- ✓ **Cable-safe by physics.** Compressed air dislodges soil without contacting or damaging buried services.
- ✓ **Battery-cordless.** Self contained unit, battery packs can be easily changed once depleted..
- ✓ **Indoor and confined-space capable.** Zero local exhaust work in cellars, chambers and near vulnerable persons.
- ✓ **Compact footprint.** 680 mm wide – fits residential doorways and narrow side accesses.
- ✓ **Force-control trigger.** Operator-tunable for clay, sand, gravel-fill or backfill.
- ✓ **Net-zero ready.** Fully battery-powered – supports DNO/GDN/water-co decarbonisation targets.

Compliance & Safety

- ✓ **Safe-dig methodology.** Supports HSG47 principles for avoiding underground service strikes.
- ✓ **NRSWA-friendly.** Reduced excavation footprint shortens permit duration and reinstatement scope.
- ✓ **BS 5228 sensitive sites.** Lower noise profile than diesel compressors – suited to night and residential works.
- ✓ **CE / UKCA** marked in progress.

Oil-free Air	Liquid-Cooled	Swappable Pack	Single-Operator	Doorway-Width	Designed in UK
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Specifications subject to change without notice. Items marked "to confirm" require verification against final production-unit certification. © Neo Air Systems Ltd.