



HYDRO- DEMOLITION

KNOW HOW



ROBOJETTING® & MANUAL HAND LANCE HYDRODEMOLITION

Hydrodemolition



Corejet are one of the UK's Leading Hydrodemolition companies, with 40 years' experience specialising in Concrete Cutting and removal. Members of the Water Jetting Association, our team of highly skilled and CSCS/WJA accredited operatives provide innovative solutions for the construction industry.

Utilising the latest technologies Corejet specialise in both Manual Hand Lance Hydrodemolition as well as Robojetting (Robotic Hydrodemolition), allowing us to deliver a wide range of concrete removal techniques, no matter your requirements.

- Hydrodemolition
- Water Jetting
- Pipe Cleaning
- Road Marking Removal
- Painting & Coating Removal
- Airfield Rubber Removal
- Runway Maintenance
- Tank & Vessel Cleaning
- Heat Exchanger Cleaning
- Kwickblast Wet Blasting

KEY FEATURES

- Vibration-free concrete removal
- Doesn't cause micro-cracking to structure
- Provides a clean surface with an excellent profile for the application of coatings and new material
- Cleans the existing reinforcement
- Precision removal of selected material
- Effluent and Residue Control
- Remote-controlled machine-mounted operation (Robojetting) for large-scale removal
- Using Hand Lacing for difficult to access areas or small precision projects
- High Productivity



Robojetting®



The Computer Controlled Hydrodemolition Robot is completely portable having it's own diesel engine and hydraulic control system.

Electric powered options are also available for work in enclosed areas where exhaust fumes are an issue. It is ideal for mass removal of concrete. Other applications for these Robots include Surface Preparation tasks such as scabbling or Bridge Deck Waterproofing removal which can incorporate an optional Vacuum Waste Recovery. Robots are in most cases controlled by a single operator thus making them a competitive concrete removal option.

The design of the Hydrodemolition Robot ensures that high removal rates are maintained over long periods with risk to operators minimised due to the remote control nature of the equipment. In addition to the mass removal of concrete

this robotic system can be used for scabbling, laitance and coatings removal as well as UHP Surface Cleaning.

Corejet has invested in a range of accessories which help provide the best solution for every application. These include items such as Rotolance and ERGO System. Rotolance is a tool for cleaning, preparing and the light removal of paint, rubber and other layers from concrete and steel. The ERGO System facilitates the use of Robojetting equipment in bespoke environments removing the requirement for Hand Lancing.



Hand Lancing

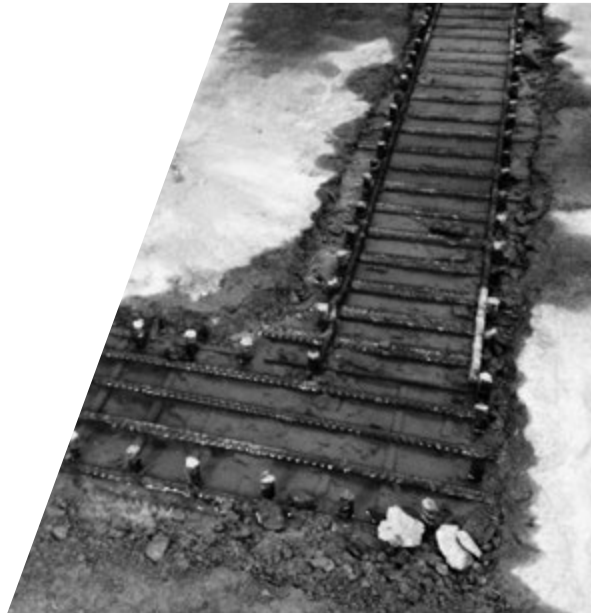


Hand Lancing is another method of Hydrodemolition available from Corejet. It is ideal for smaller precision projects in areas where access for our Robojet equipment may be restricted. There are a range of accessories available to enhance the equipment to suit individual requirements and this allows us to offer the highest quality, efficiency and reliability on every project.

Due to the light weight and small size of the Hand Held Safety Lance it is particularly suited to the removal of small volumes of material, ideal in restricted or difficult to access where precision concrete cutting is required. High Pressure Water is provided by a Trailer Pump with flow rates of between 20 to 250 litres per minute and pressures up to 3000bar enabling us to cut the aggregate within the concrete meaning we can work to a greater accuracy in some cases to the millimetre (mm).

Our portable pump units use either diesel engines or electric motors.

At Corejet we can offer a combination of Hand Lancing / Robojetting Systems which can perform High and Ultra High Pressure waterjetting applications in industrial facilities, construction sites, petrochemical works, food processing plants, nuclear sites and marine fabrication and refurbishment facilities.



KEY FEATURES

- /// Ideal for small precision projects in restricted areas
- /// Range of accessories available to customise equipment
- /// Lightweight and small, suitable for removing small material volumes
- /// Precision concrete cutting in hard-to-access areas
- /// Trailer Pump provides high-pressure water (20-250 litres/min., up to 3000 bar)
- /// Portable pump units with diesel engines or electric motors.





Locations

HEAD OFFICE

Core Cut Limited
Bankhead
Broxburn
West Lothian
EH52 6PP

T 01506 854 710
F 01506 853 068

E office@corecut.co.uk

REGIONAL OFFICE

Core Cut Limited
Unit 3, Greenland Road Ind. Park
Dannemora Drive
Sheffield
S9 5DF

T 0114 243 5533
F 0114 244 7394

www.corecut.co.uk



@corecutltd



Core Cut Ltd



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