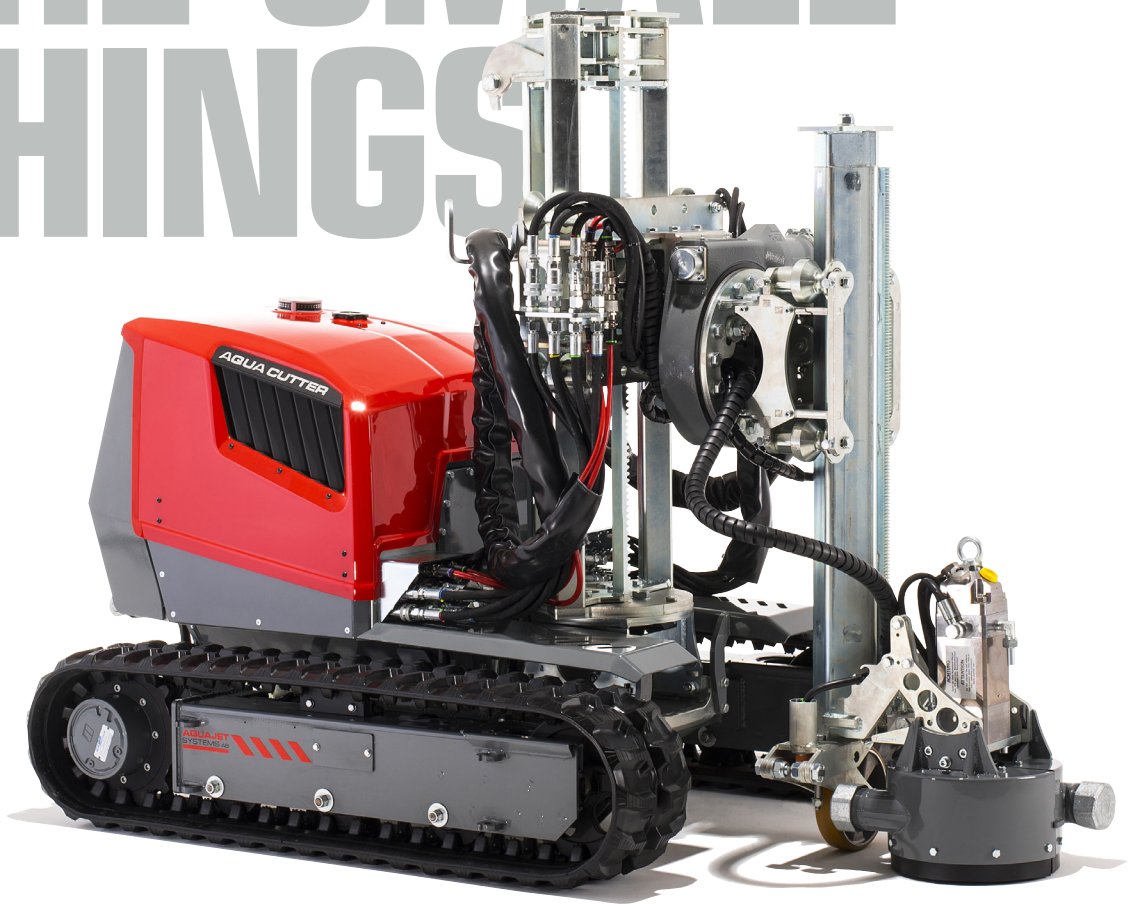
AQUA CUTTER

410V
TUNNEL KIT

EMBRACE THE SMALL THINGS



aquajet.se

DIFFICULT BECOMES EASY

The AQUA CUTTER 410V Tunnel Kit is the world's smallest standard manufactured robot for Hydrodemolition and industrial cleaning, specially designed for tunnels. With the tunnel kit you can use the robot in all kinds of operations. In other words, you'll get perfect results every time, wherever you work.

The AQUA CUTTER 410 is specially designed for applications in confined areas and to replace hand lance work. Examples are rehabilitation of concrete or steel sewer pipes in urban locations, small tunnels and inside buildings. Its small size and low weight allow the robot to easily pass through narrow passages such as doorframes or operate from scaffoldings. The tunnel kit can work tunnels from 1,3 m up to 3 m (4,3-9,8 ft)in diameter.

SPLIT TUNNEL VISION

The Tunnel Kit has many advantages, such as automatic detection and the ability to adjust the distance to the tunnel surface. This makes it very easy to operate in uneven tunnel shapes or oval tunnels. You can programme to robot to operate from a selected "zero point" and 0-360° on the circumference. The rotor has a multiple nozzle head and can be equipped with a variation of up to 20 nozzles, depending of the work at hand.

Read more about this machine at aquajet.se

INNOVATIONS AND DESIGN

// CLASSIC CONTROL SYSTEM

If you choose the AQUA CUTTER Classic control system you'll get our patented ISC system – Intelligent Sensing Control, with no cables or electronic sensors outside the enclosed engine hood. You'll also get the 30° EDS roller that keeps a set distance between the nozzle and the concrete.

The classic control system makes it very easy to program the robot and all speeds are set manually with hydraulic valves. You can easily program and determine your operation width and area thanks to mechanical stoppers on the front roller beam.

// EVOLUTION CONTROL SYSTEM

If you choose the AQUA CUTTER Evolution control system you'll enable highly computerized robotic management for advanced operations. In addition, you'll get the 45° EDS roller that keeps a set distance between the nozzle and the concrete, without any water jet energy waste.

The Evolution control system allows you to program geometrical figures such as circles, triangles, squares and rhomboids. Today, it's the most sophisticated and flexible system on the market for Hydrodemolition robots.

// RADIO REMOTE CONTROL

A radio remote control allows you to operate the AQUA CUTTER robot from a safe distance, wireless or with a hard wire. That's up to you and the operation at hand.

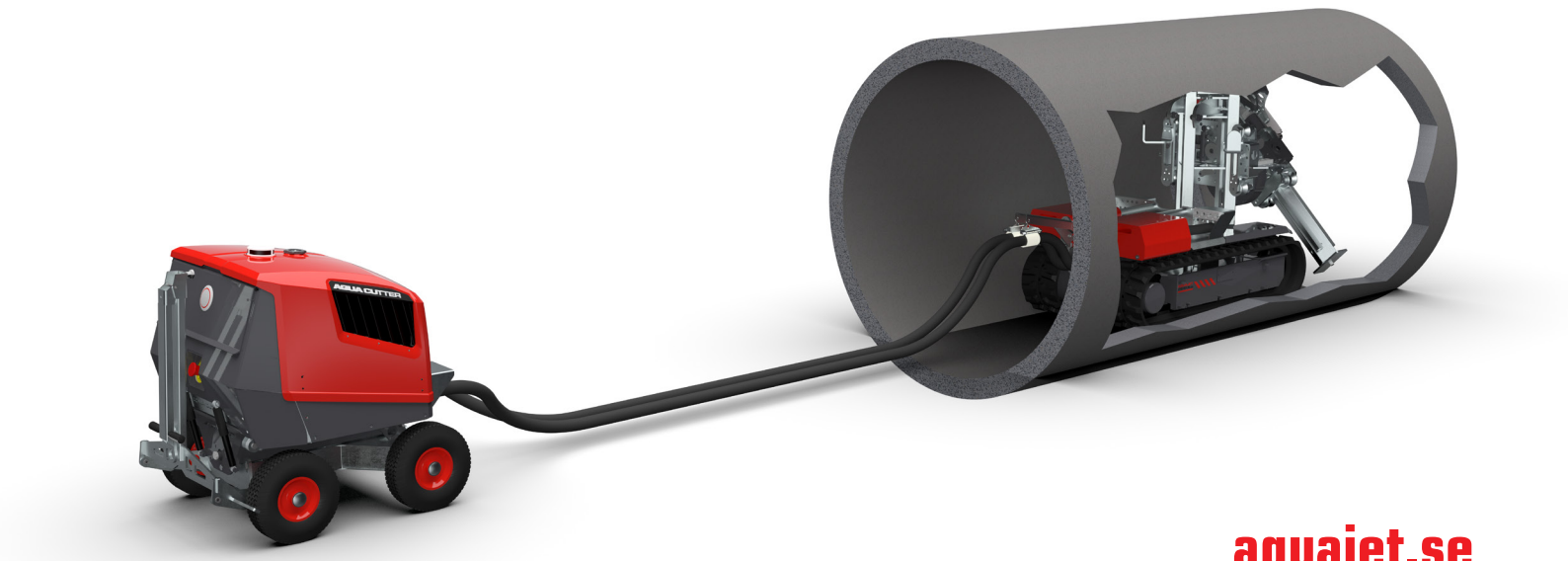
// DISCONNECTABLE PCM

The power control module (PCM) can be disconnected from the tracked crawler. This allows you to drive the crawler into tight and inhospitable environments, such as small tunnels and flooded sewer pipes.

You can operate the crawler from a safe distance with a radio remote control. In such situations the PCM is connected to the crawler by a cord, ensuring complete control of the robot in horizontal, vertical and overhead operations.

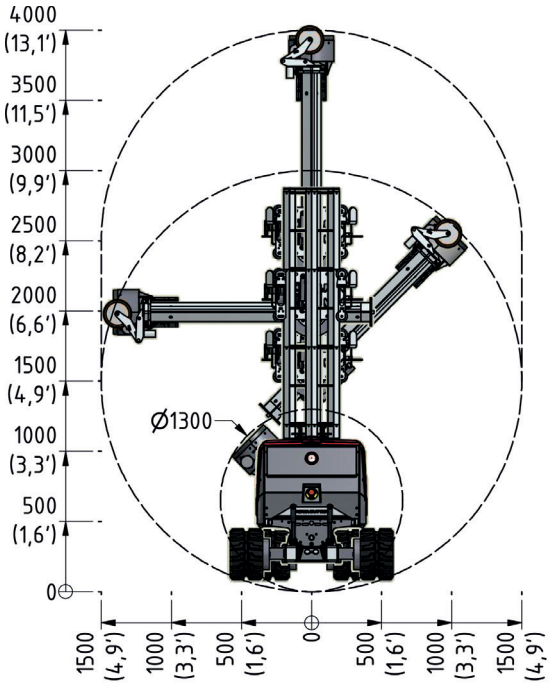
// ROBOT INSIDE POWER PACK

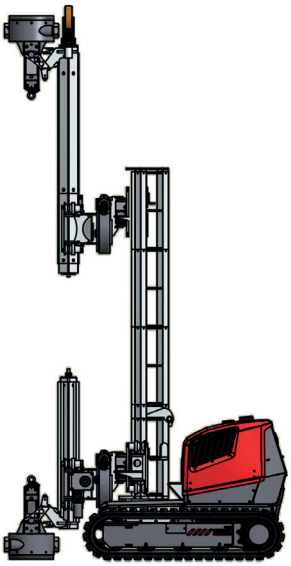
All our 410 and 710 robots will fit into our 23' Power Packs. All in one package ready to go to the worksite and no need for an extra trailer. Robot is also protected from unauthorized intrusion inside the power pack during the night.

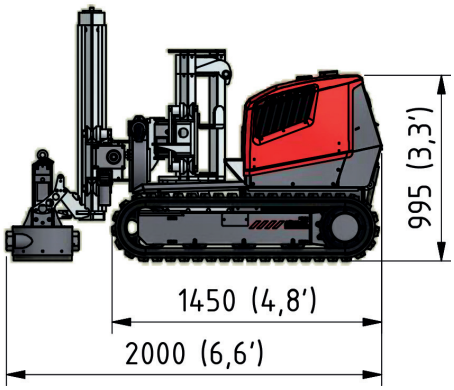


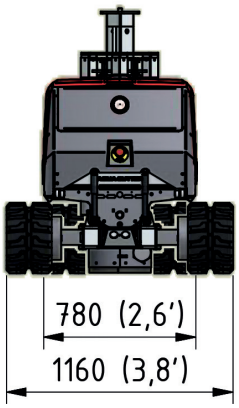
aquajet.se

SPECIFICATIONS









// TECHNICAL DATA CLASSIC

Total weight	1160 kg (2560 lb)
Length	2 m (6,6 ft)
Min. width	0,78 m (2,6 ft)
Track width	0,78-1,16 m (2,6-3,8 ft)
Min. height	0,99 m (3,2 ft)
Operating height	4 m (13,1 ft)
Operating diameter	1,3-3,0 m (4,3-9,9 ft)
Vacuum connections	2 x 2,5" BSP
Diameter nozzle head	250 mm (9,8")
Flow and pressure	170-65 l/min @ 800-2500 bar
Drive source	Electric engine 3 phase 5,5 kW 400 VAC 16A (other on request)

// TECHNICAL DATA EVOLUTION

Total weight	1160 kg (2560 lb)
Length	2 m (6,6 ft)
Min. width	0,78 m (2,6 ft)
Track width	0,78-1,16 m (2,6-3,8 ft)
Min. height	0,99 m (3,2 ft)
Operating height	4 m (13,1 ft)
Operating diameter	1,3-3,0 m (4,3-9,9 ft)
Vacuum connections	2 x 2,5" BSP
Diameter nozzle head	250 mm (9,8")
Flow and pressure	170-65 l/min @ 800-2500 bar
Drive source	Electric engine 3 phase 5,5 kW 400 VAC 16A (other on request)

// COMPATIBLE ACCESSORIES

PCM Carrier

// EXAMPLES OF APPLICATIONS

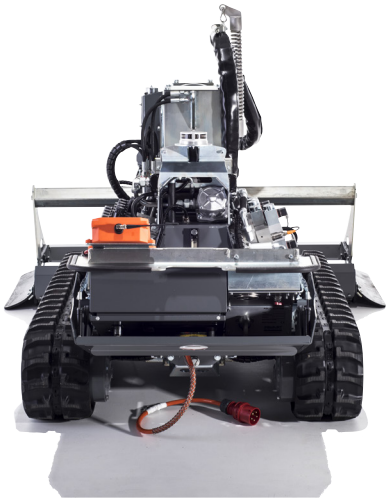
Tunnels
Hydropower plants
Nuclear plants
Petrochemical plants
Waste water plants
Industrial cleaning

RELIABLE AND EASY SERVICE

Innovative design provides unrivalled ease of access for all maintenance jobs. This means less downtime with maintenance work and more time for actual work.

POP THE HOOD

The foldable back cover of our AQUA CUTTER robots offer total access for both daily maintenance jobs such as checking oil levels, and periodic service jobs such as oil and filter changes.



aquajet.se

Call us: + 46 383 508 01
E-mail us: aquajet@aquajet.se
Visit us: Brunnsvägen 15, SE-570 15 Holsbybrunn, SWEDEN

AQUAJET SYSTEMS AB