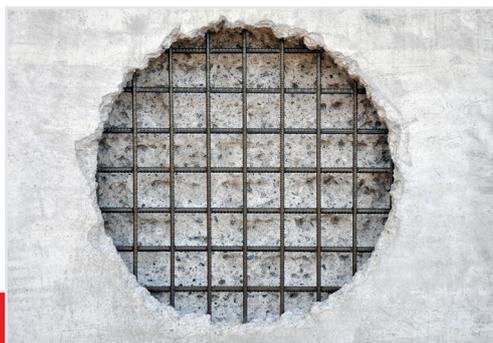


MASTER OF VERSATILITY



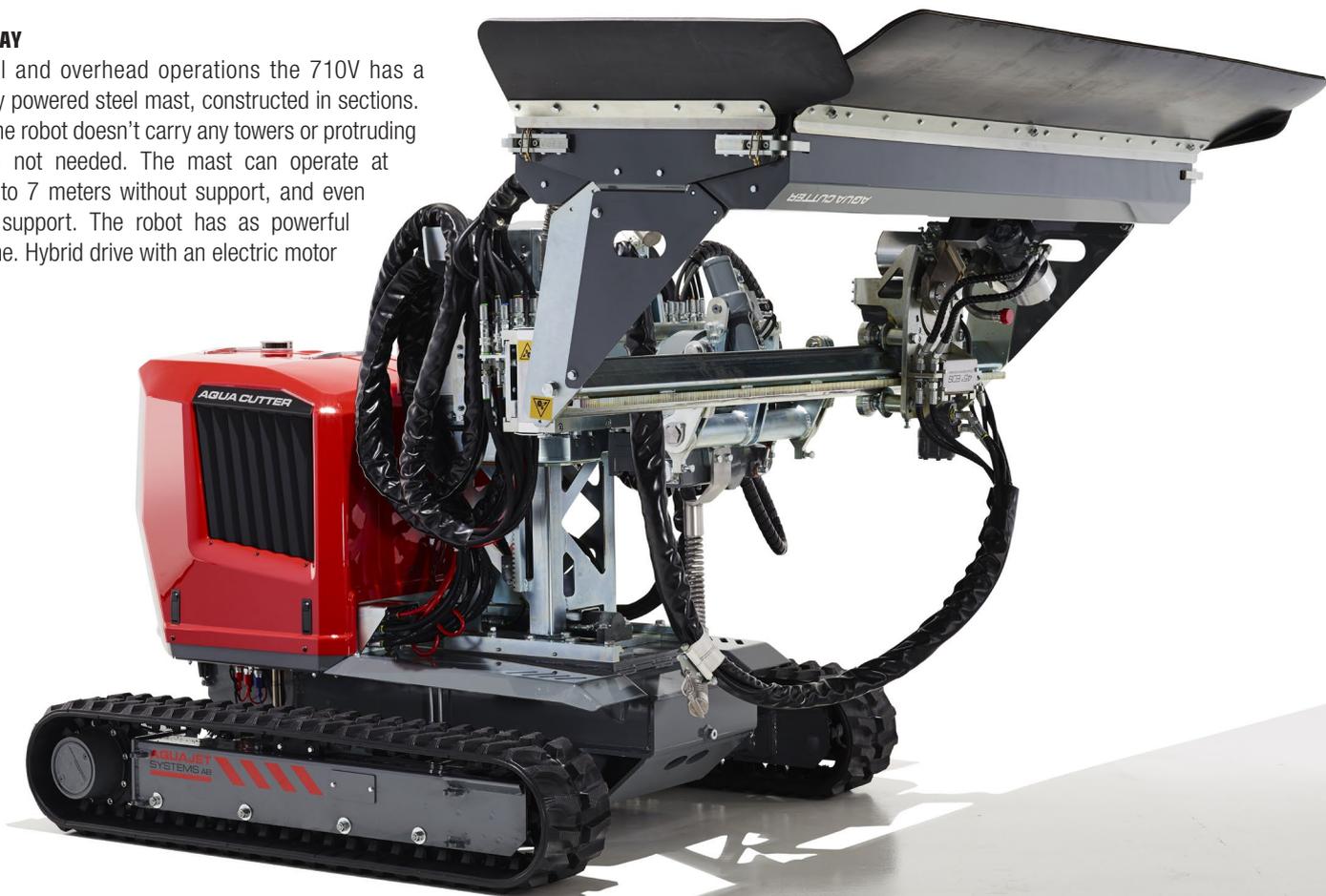
MASTER OF VERSATILITY

The AQUA CUTTER 710V is the most versatile Hydrodemolition robot on the market, suitable for all kinds of operations. Our innovative design gives the operator freedom to reach all horizontal, vertical and overhead areas up to 7 meters without support. In other words, where most robots fail, the 710V will prevail.

Our unique 3D positioning system can perform wonders. The front power head gives the operator full freedom to efficiently reach all areas. One example is vertical operations along or against the surface. Due to a compact design the AQUA CUTTER 710V can be operated in tight and confined areas, with retained mobility.

UP AND AWAY

For vertical and overhead operations the 710V has a hydraulically powered steel mast, constructed in sections. Therefore the robot doesn't carry any towers or protruding arms when not needed. The mast can operate at heights up to 7 meters without support, and even more with support. The robot has as powerful diesel engine. Hybrid drive with an electric motor is optional.



▶ 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.

// TOWER AND 3D POSITIONING SYSTEM

The easy to extend tower system on all V models has proved its versatility; it is fast and easy to fit the required numbers of sections to reach the desired operation height whether it is for vertical or overhead removal.



The multi axis 3D positioning system of the cutting head, gives the ability to operate on all surfaces. The standard reach is 7 meters, and can be extended further.

// 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.



// 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.



// HYBRID KIT

A hybrid kit is a powerful ally where a diesel engine is not allowed or appropriate, such as parking garages and inside of other buildings in urban environments. It's very easy to attach and uses an intelligent system to automatically disengage the on board diesel engine.



// EDS - EQUAL DISTANCE SYSTEM

All of our AQUA CUTTER robots feature our patented EDS system, short for Equal Distance System. The EDS keeps a preset distance from the nozzle to the concrete surface, regardless of the attack angle of the water jet. This is a major advantage. Standard systems without EDS make the water jet lose a lot of power before it hits the concrete.



// OSCILLATION SYSTEM

The stroke can be changed in a minute to adapt for the scope of the work. A shallow cut requires a longer stroke and a deep cut needs a short stroke. This allows you to get a higher removal rate and better cut results in all situations.



// REMOVAL IN CORNERS

How do you reach corner areas where the wall and floor meet? Usually you need some kind of handheld trimming equipment. We have solved this problem in an ingenious way. With our robots you'll finish the job with only one overpass thanks to unique lance control and the EDS system. No hand lances. No adjustments. Perfect results.



// NOZZLES

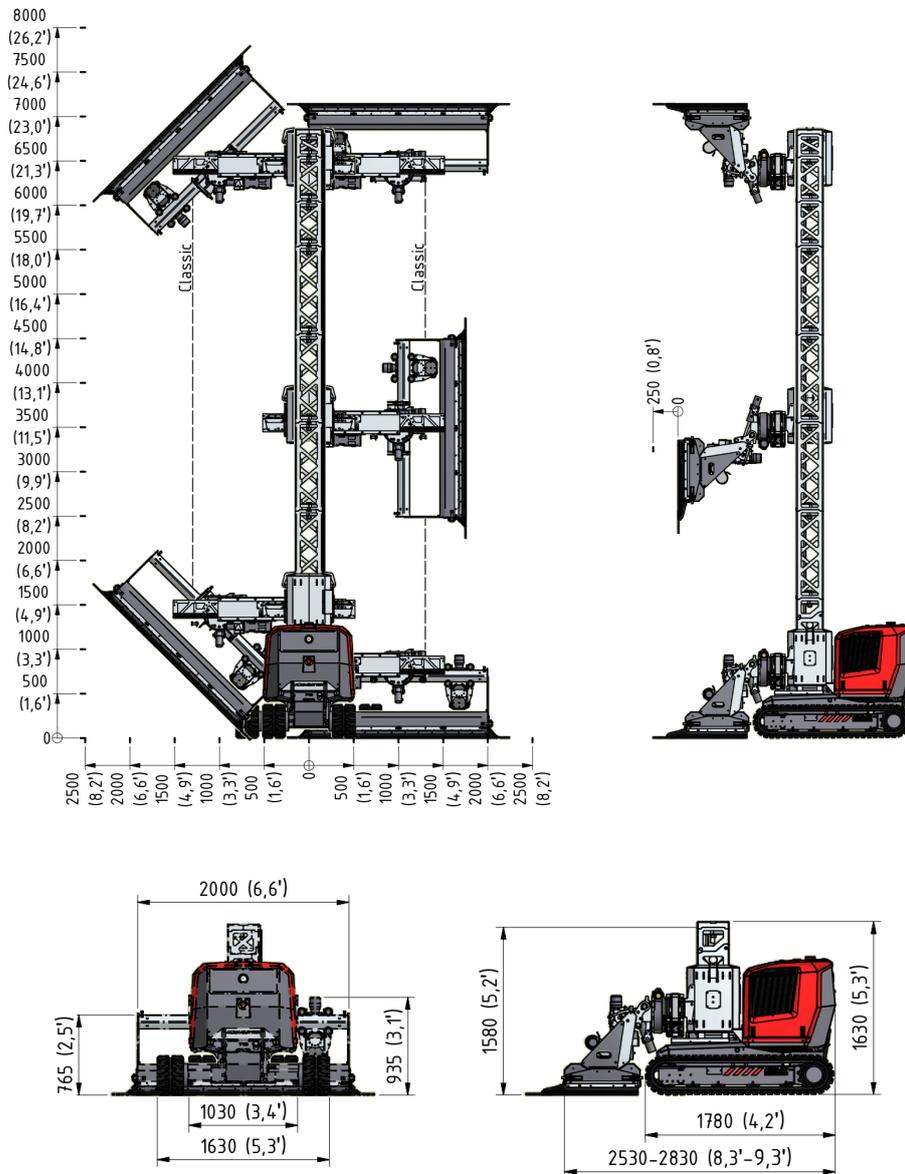
At Aquajet we use unique ceramic nozzles, specially designed for highly demanding operations and all kinds of Hydrodemolition applications. The lifespan of a nozzle is up to 300-350 hours depending on the water quality. In terms of efficiency, our nozzles are unbeatable.



aquajet.se



SPECIFICATIONS



// TECHNICAL DATA CLASSIC

Total weight	2300 kg (5070 lb)
Length	2,57-2,82 m (8,4-9,2 ft)
Min. width	1,03 m (3,4 ft)
Track width	1,03-1,63 m (3,4-5,4 ft)
Min. height	1,3/1,6 m (4,2/5,2 ft)
Operating height	7 m (23 ft)
Side reach	1,3 m (4,2 ft)
Lance angle	± 30°
Working width	0-2,14 m (0-7,0 ft)
Working width extended	0-4,14 m (0-13,6 ft)
Drive source	Diesel engine (electric optional) 14kW / 1850 rpm

// TECHNICAL DATA EVOLUTION

Total weight	2350 kg (5181 lb)
Length	2,57-2,82 m (8,4-9,2 ft)
Min. width	1,03 m (3,4 ft)
Track width	1,03-1,63 m (3,4-5,4 ft)
Min. height	1,3/1,6 m (4,2/5,2 ft)
Operating height	7 m (23 ft)
Side reach	2 m (6,6 ft)
Lance angle	± 45°
Working width	0-2,45 m (0-8,0 ft)
Working width extended	0-4,45 m (0-14,6 ft)
Drive source	Diesel engine (electric optional) 18kW / 1600-2600 rpm

// COMPATIBLE PRODUCTS

Hybrid Kit
Rotolance
Extension Kit
CPH - Circular Power Head

// EXAMPLES OF APPLICATIONS

Bridges
Hydropower plants
Tunnels
Pillars/piles
Ship cleaning
Berth/piers
Parking garages
Diaphragm walls

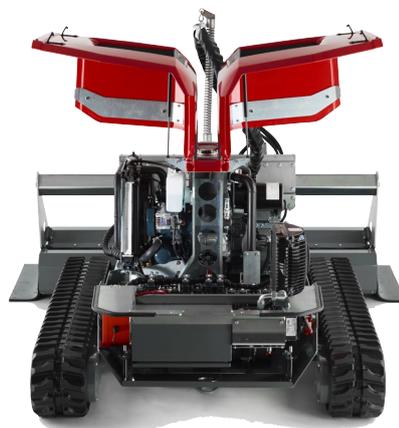


RELIABLE AND EASY SERVICE

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 unique gullwing hood and foldable back cover of our 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

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