



AQUAJET[®]

COMPLETE HYDRODEMOLITION SOLUTIONS



PRODUCT CATALOGUE
2026/2027

The Aquajet way

Since 1988, Aquajet has been dedicated to creating the best hydrodemolition equipment on the market. Based in Vetlanda, Sweden, we handle everything in-house — from design and manufacturing to delivery and after-sales support — ensuring high-quality, efficient, and sustainable products.

We are committed to innovation and quality, continuously improving our solutions to meet the evolving needs of the industry. Our strong global network allows us to offer tailored support to customers around the world, ensuring we meet local requirements with expert service.

As active members of key industry organizations like the European Water Jetting Institute (EWJI) and the International Concrete Repair Institute (ICRI), we stay connected to the latest trends and best practices. This helps us deliver high-quality solutions that make your work safer and more efficient.



**MADE IN
SWEDEN**



All about hydrodemolition

Hydrodemolition is a cutting-edge technique that utilizes high-pressure water jets to remove concrete with precision and efficiency. This method is ideal for a wide range of applications, from surface preparation to structural maintenance, without causing damage to the underlying material.

Aquajet's hydrodemolition equipment is designed to handle the most demanding projects worldwide, offering unparalleled versatility and reliability. With our advanced technology, the possibilities for hydrodemolition are endless, making it the preferred choice for professionals seeking top-tier results.

Results always depends on pressure and flow

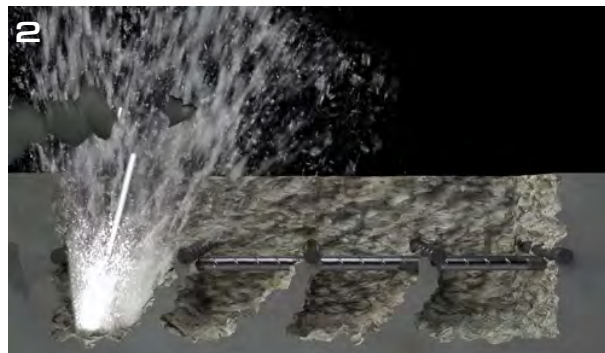
To achieve optimal results in hydrodemolition, it's crucial to align the pressure and flow of the water with the project's specific objectives, such as removing a preset depth of concrete, surface preparation, or rust removal. Both water pressure and volume are vital; higher pressure and low flow yield precise cuts, while lower pressure and high flow enable selective removal of deteriorated concrete. Adjusting these parameters ensures efficient, high-quality project completion.

How does hydrodemolition work?

The key element of hydrodemolition is to pressurize and widen existing pores and micro cracks in the weakened concrete structure using high-pressure water penetration. Material is removed as the build-up pressure exceeds the tensile strength of the concrete.



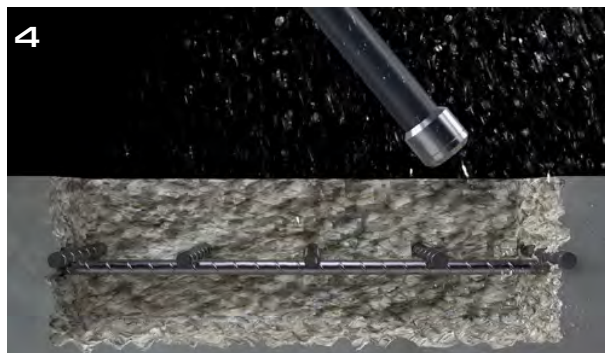
1 The water jet penetrates existing cavities and cracks.



2 By exposing the concrete to the water jet for a certain time you reach the desired depth.



3 By changing the angle of the lance the remaining material under the rebar (the shadows) will be removed.



4 The remaining area consists of structurally sound concrete and is now prepared for the application of a new layer.

Advantages

Hydrodemolition offers numerous advantages that make it a preferred method in construction and maintenance projects. By removing only deteriorated concrete, it preserves reinforcement bars, minimizes structural damage, and enhances worker safety. The process produces superior surface quality for optimal bonding, reduces dust and waste, and offers significant cost savings, making it a sustainable and economical choice.



Concrete removal or surface preparation

To achieve optimal results in hydrodemolition, it's crucial to align the pressure and flow of the water with the project's specific objectives, such as removing a preset depth of concrete, surface preparation, or rust removal. Both water pressure and flow are vital; higher pressure and low flow yield precise cuts, while lower pressure and high flow enable selective removal of deteriorated concrete. Adjusting these parameters ensures efficient, high-quality project completion.



Efficiency, productivity and quality

Hydrodemolition robots outperform traditional methods like chipping hammers and handheld water jetting by reducing labor, minimizing injury risks, and ensuring consistent quality. Their high-speed concrete removal shortens project timelines, making them ideal for large-scale jobs. Automated systems enhance productivity through remote operation and precise control. Unlike mechanical methods that cause vibrations and potential structural damage, hydrodemolition preserves structural integrity by using water jets to break concrete without creating micro-cracks or stress.



SELECTIVE
REMOVAL



NO MICRO
CRACKS



ENVIRONMENT
FRIENDLY



SAFER WORK
ENVIRONMENT



INCREASED
PRODUCTIVITY



IMPROVED
SURFACE QUALITY



COST
SAVINGS



A greener method

Water is essential in every stage of hydrodemolition – from sourcing to treatment and discharge – and strict environmental regulations make proper handling crucial. Fresh water can be supplied from tanks or natural sources, and wastewater is easily managed with Aquajet's Ecoclear system. Ecoclear automatically balances pH, removes suspended solids, and enables safe discharge or reuse in a closed-loop process. This real-time treatment solution helps contractors work sustainably, reduce freshwater use, and minimize waste handling.



Safer working environment

Hydrodemolition enhances job site safety by using high-pressure water jets instead of mechanical tools, eliminating airborne dust and silica exposure and greatly reducing the risk of respiratory issues such as silicosis. With robotic operation, workers are kept safely away from debris and other hazards, while the method also minimizes vibration-related injuries common in traditional concrete removal. Combined with innovations like the Ecosilence 3.0 high-pressure pump, which further reduces noise levels, hydrodemolition ensures a safer, quieter, and more efficient work environment.

Hydrodemolition equipment

Our line of hydrodemolition equipment provides a complete solution for concrete repair, surface preparation and industrial cleaning. With hydrodemolition robots, water treatment systems, high-pressure pumps and accessories Aquajet provides cutting-edge technology for the toughest jobs.

Hydrodemolition robots

Advanced machines designed for precise concrete removal and surface preparation on both reinforced and non-reinforced structures in all orientations. Equipped with computerized control systems, they accurately manipulate high-pressure water jets and offer remote operation for safe oversight.

Hydrodemolition pumps

High-pressure pumps, with a minimum power rating of 300 hp/220 kW, are vital components of hydrodemolition equipment. These pumps generate the high water pressure necessary to propel water jets and effectively dislodge concrete, ensuring efficient concrete removal.

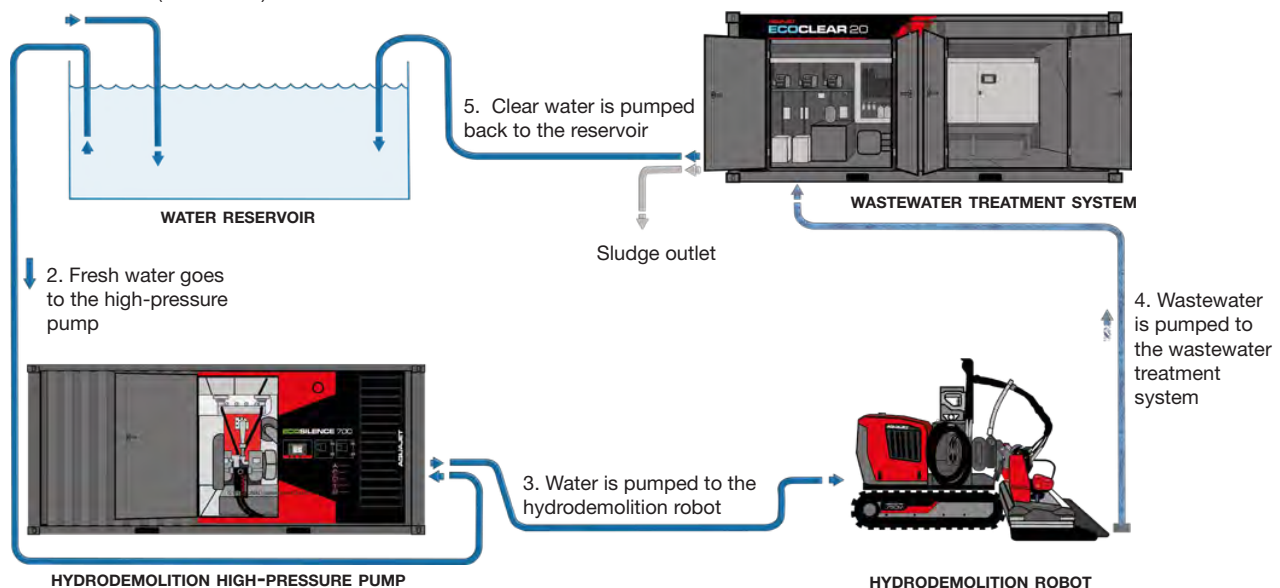
Wastewater treatment system

Hydrodemolition generates a significant amount of wastewater with elevated pH levels, containing concrete particles and debris. To comply with environmental regulations and ensure proper disposal, a wastewater treatment system can be employed. Ecoclear corrects the pH, separates and removes suspended solids from the wastewater, allowing for the safe disposal or recycling of the treated water.

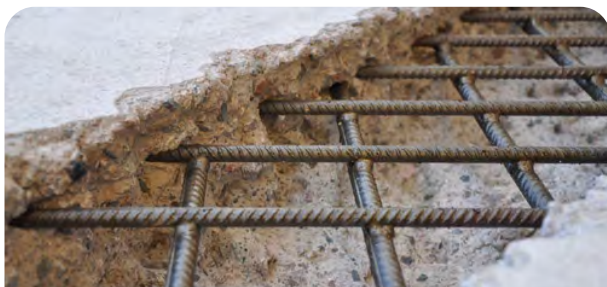


Hydrodemolition process

1. Water source (fresh water)



Results depending on pressure and flow



Selective removal

Selective removal is one of the basic principles of hydrodemolition. By using lower water pressure combined with higher flow, the effect on the concrete becomes selective. Only the deteriorated or damaged concrete is removed, while the sound concrete remains intact. As a result, the sides and the bottom of the cut will be a little rough since it follows the quality of the concrete.



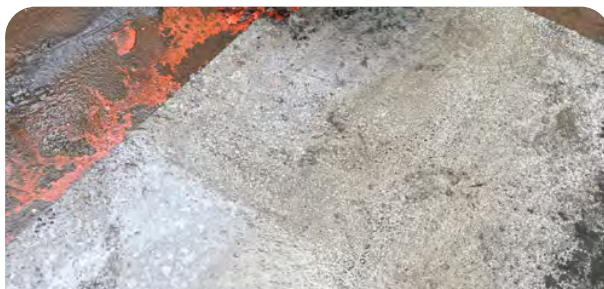
Controlled depth removal / Hydromilling

Controlled depth removal means using higher water pressure combined with lower flow, that will result in a more cutting effect on the concrete. The result will be more even along both the sides and the base of the cut. It will remove all concrete specified in the control system, regardless of the quality of the underlying concrete.



Scarifying and surface preparation

Hydrodemolition can be used to scarify or roughen concrete surfaces in preparation for overlays, coatings, or bonding of new concrete. When the aim is to create an optimal bonding surface while minimizing material removal, employing a rotating tool proves highly effective. This will ensure precise and swift removal of a shallow layer of concrete, resulting in an rough bonding surface for new coating.



Rust and paint removal

High-pressure water can also be used to remove paint or rust, avoiding use of grid blasting. This means no dust pollution, no contaminated sand to dispose of, just a clean steel surface left after removal. Rubber coatings or rubber on, for example, airplane runways from the tires can also be removed.



Industrial cleaning

Traditional industrial cleaning has historically been carried out by handheld tools. This is a very dangerous operation and can be avoided by the use of robotic cleaning. More and more contractors are switching from manual to automated cleaning, increasing both safety and efficiency.

HYDRODEMOLITION ROBOTS

Aquajet's Aqua Cutter and Ergo series represent the forefront of hydrodemolition robots, designed to deliver precision, power, and safety in every application. From large-scale concrete removal to confined-space operations, these systems combine intelligent control, user-friendly operation, and unmatched versatility — ensuring maximum performance and consistent results on every job.



Features & innovations

AQUAJET HYDRODEMOLITION ROBOTS



Evolution control system

The Evolution control system is the advanced brain behind Aqua Cutter hydrodemolition robots, delivering exceptional efficiency, precision, and ease of operation. With programmable functions and an intuitive interface, it simplifies even the most complex tasks, enabling operators to achieve outstanding results.

Key features:

- Advanced robotic management; Manual or Automatic
- Programmable functions
- Smart lance control
- User-friendly interface
- Safety features
- Remote operation capabilities
- Data monitoring
- Automatic setting calculations
- Maintenance tracking



Infinity oscillation

Infinity oscillation is Aquajet's patented breakthrough in hydrodemolition technology, delivering smooth, continuous lance motion for superior concrete removal. Unlike standard oscillation, Infinity maintains constant surface speed—eliminating pipe holes, improving cut quality, and dramatically increasing productivity. Fully integrated with the Evolution 3.0 control system, it automates optimal settings and ensures consistent, high-performance results across any surface.



EDS (Equal Distance System)

Aquajet's patented EDS (Equal Distance System) ensures a constant distance between the nozzle and the concrete surface, regardless of the water jet's attack angle. Unlike standard systems, which lose efficiency due to fluctuating distances, EDS maximizes power delivery, enhances precision, and improves concrete removal—especially around rebar.



SLT (Smart Lance Technology)

Integrated into every Aqua Cutter robot with the Evolution control system, Smart Lance Technology (SLT) is Aquajet's patented software that automates the entire hydrodemolition process. By calculating, coordinating, and optimizing lance movement based on a few simple operator inputs, SLT delivers unmatched precision, efficiency, and productivity with real-time feedback and built-in safeguards.



ISC (Intelligent Sensing Control)

Aquajet's ISC (Intelligent Sensing Control) uses advanced closed-loop software to continuously monitor and memorize water jet movement during operation. Built into all Aqua Cutter robots and the Ergo system, ISC ensures trouble-free performance, reduced downtime, and easy programming—so you can focus on results, not cables.



Multi-positioning

Many of our products has multi positioning features, either directly on the product or indirectly via an attachment. All of these features further enhances our hydrodemolition robots capacity and flexibility - making work easier for the operator.

Featured on all Aqua Cutter V-models, Aquajet's Multi-axis 3D Positioning System gives you full control over the robot's tower and front section, allowing precise movement in virtually any direction. Whether you're working on high walls, tight spaces, or hard-to-reach surfaces, this system ensures optimal lance positioning, stability, and ease of inspection—maximizing efficiency and adaptability on every job.

• Tower positioning system

Forward/backward movement – Adjust the tower to control distance from surface. Increased stability when extended – Handles greater reaction forces during operation. Seamless inspection reset – Retract for checks, then return to the exact same working position.

• Vertical hoist movement

Raise or lower the hoist with the front attached to it along the tower for extended reach on tall structures.

• Front rotation

Nearly full 360° rotation capability of the front section for optimal access to complex or tight areas.

• Hydraulic side shift function

On V-models, the entire front can be hydraulically shifted left or right—ideal for fine-tuning the distance to a wall or extending reach to the side.

• Manual beam offset

On all 450 and 750 models, as well as the Aqua Rail system, the complete roller beam can be offset sideways in its brackets. This allows you to extend reach or adapt the setup for specific tasks.

• Tilt function

Tilt the front up or down for wall work in front of the robot or to visually inspect surface results.



Quick connection

Both the Aqua Cutter robots and the Ergo Controller are equipped with quick connection solutions designed to make everyday work faster, safer, and more efficient. On the Aqua Cutter, quick connections on the hydraulics allow operators to change attachments with ease, while the entire robot front can be disconnected just as quickly. The Ergo Controller offers the same hydraulic quick connections, ensuring a fast and easy setup.



Adjustable tracks

Easily adjust the track width on the Aqua Cutter robots — narrow for tight spaces or wide for greater stability and higher reaction forces. Tracks can be moved symmetrically or individually for flexible setup in any environment.



Foldable back cover / Gullwing hood

The Aqua Cutter 410 and 450 are equipped with a foldable back cover that folds down for quick daily maintenance. For complete accessibility, the cover can also be fully removed—making inspections, servicing, and repairs faster and more efficient. The Aqua Cutter 710 and 750 take accessibility a step further with a unique gullwing hood combined with a foldable back cover. This design provides effortless access for both routine checks and full-scale repairs, ensuring every component is always within easy reach.



Extendable tower system

All Aqua Cutter V-models feature an extendable tower system. Simply add extra tower sections using a quick single-bolt connection to increase vertical reach with ease. For even greater height, an optional tower support is available—providing additional stability beyond what the robot can support on its own.



Hydraulic and articulated arm

All Aqua Cutter A-models feature a hydraulic, articulated arm that rotates to follow curved surfaces and extends up to 3 meters (9.8 feet) from the robot, allowing for precise operation on curved, horizontal, vertical, and overhead surfaces.



Detachable PCM

All Aqua Cutter 410 and 450 models feature a detachable Power Control Module (PCM), allowing the power unit and tracked crawler to operate independently. The electric PCM stays in a secure, dry location while the fully submersible, radio-controlled crawler works in confined or hazardous environments such as flooded sewer pipes or narrow tunnels. When detached, the PCM is placed on a dedicated Carrier trolley for easy transport and maximum mobility.



Precision drive

Integrated into the Aqua Cutter 450 and 750, Precision Drive offers highly accurate, responsive hydraulic control. By eliminating micro-movements and mechanical inconsistencies, it ensures optimal surface quality and repeatable cutting precision.



Inclination sensor

The Aqua Cutter 450 and 750 feature an inclination sensor, integrated with the Aquajet Connected Control, enhances safety by shutting off Auto mode and high-pressure water if the machine tips. It continuously monitors tilt along both axes and provides clear warnings to the operator when the inclination exceeds safe limits, ensuring precise control and preventing accidents.



Visual status light system

The Aqua Cutter 450 and 750, with the Evolution 3.0 Control System, features a multi-color visual status light that communicates the machine's condition at a glance. By using different colors and patterns—steady or pulsing—the light clearly

indicates when the machine is operating normally, requires attention, or when automatic functions or the engine have stopped, helping operators stay informed and work safely.



Smooth ride tracks

All Aqua Cutter 450 and 750 models are equipped with a Smooth Ride Track System. The smooth, stable movement of the tracks reduces vibrations and bounces, protecting components and extending service life, while also maintaining precise nozzle-to-surface distance for enhanced cutting accuracy.



Aquajet Online

Aquajet Online, a cloud-based system for equipment tracking, real-time diagnostics, data collection and analytics. Aquajet Online is accessible via a computer or smartphone and provides owners, operators and project stakeholders with a digital toolkit to maximize safety, security, productivity and machine utilization. Robust data collection and analysis tools also allow customers to track the long-term value of equipment and its impact on their overall operation.



Extra receiver for connected controls

An extra receiver can be added to the robot's radio remote control, allowing both Ecosilence and Aqua Cutter to be connected to each other and to the operator via the radio remote control. Simple and with no need for extra cables or devices. Provides full control over both units in an easy and safe way. Through the remote control you can turn the high-pressure ON/OFF and emergency stop both units, as well as see and change the settings of pressure and engine rpm.



Adjustable beam brackets

The Ergo Climber 3.0 can be equipped with a range of adjustable roller beam brackets for maximum flexibility. Choose between a height-adjustable bracket, a height- and tilt-adjustable version, or a model designed for curved and circular roller beams. This upgrade allows the scaffolding structure to be mounted at varying distances from the concrete surface, while the adjustable brackets maintain the optimal cutting distance for precise and efficient hydrodemolition every time.



Super Lance system

The Super Lance System is a versatile toolkit that enhances the adaptability of your Aqua Cutter. With elbows, lance extensions, and multiple nozzle options, it provides greater control, performance and access.



Aquajet ceramic nozzles

Durable ceramic nozzles designed for precise, consistent water jet performance with minimal wear.

**Compact and electric,
with all the essentials
for hydrodemolition.**



AQUA CUTTER 410A

Tracked hydrodemolition robot

The Aqua Cutter 410A is specially designed for applications within confined areas. Its small size and low weight allow the robot to easily pass through narrow passages such as doorframes or operate from scaffoldings. The hydraulic and articulated arm, with two rotating joints and three extensions, can reach as far as 3 m (9,8 ft). This makes the robot agile, powerful and very easy to position.

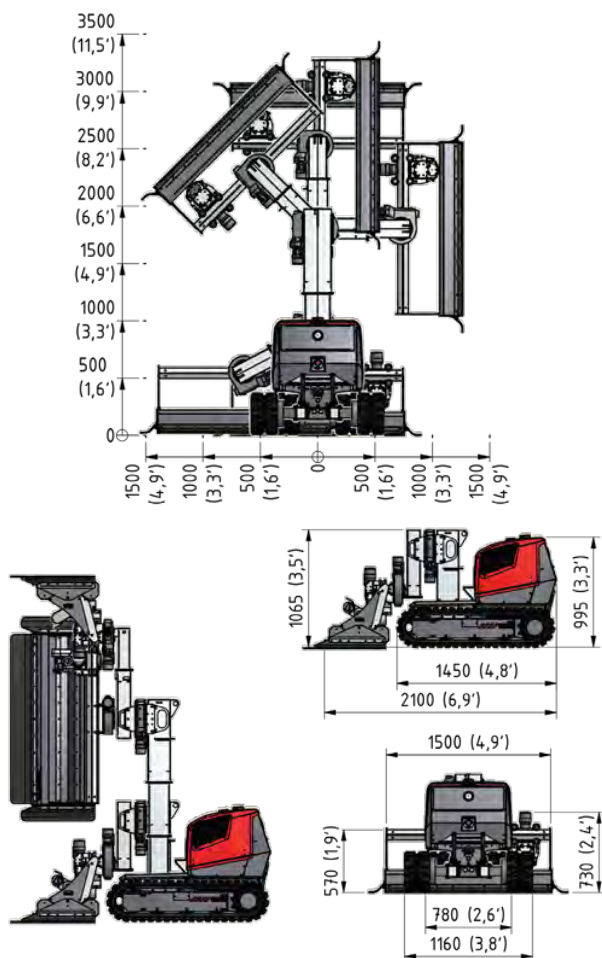


Key features

- » **Hydraulic, articulated arm** with two rotating joints and three telescopic extensions.
- » **Circular reach** of up to 3 m (9.8 ft).
- » **Evolution 2.0** control system.
- » **Fast and easy positioning** for efficient operation.
- » **Disconnectable** Power Control Module (PCM) allows entry into areas where the electric PCM cannot.
- » **Fully submersible crawler**, enabling operation under water.
- » **Optimized for confined spaces**, such as tunnels, culverts, parking garages and other enclosed areas.



							
ELECTRIC	ROBOTIC ARM	POWER HEAD 410	SUPER LANCE	3 M (9,8 ft)	3000 BAR (43 500 psi)	1400 N (315 lbf)	55 DB
							
EVOLUTION 2.0	RADIO REMOTE	EDS	ISC	DETACHABLE PCM	SLT	MULTI POSITIONING	

**Size/Range**

Length	2,1 m (6,9 ft)
Min. width	0,78 m (2,6 ft)
Track width	0,78-1,16 m (2,6-3,8 ft)
Min. height	0,99/1,07 m (3,2/3,5 ft)
Operating height	3 m (9,8 ft)
Side reach	1,3 m (4,3 ft)
Side shift stroke	-
Lance angle	± 45°
Working width	0-1,7 m (0-5,6 ft)
Working width extended	0-3,2 m (0-10,5 ft)

Weight

Total weight	1190 kg (2620 lb)
Weight/m ² dep.on track width	726-488 kg/m ² (17228-11580 lb/ft ²)
PCM only	375 kg (827 lb)
Robot without PCM	815 kg (1796 lb)

Operation

Max reaction force	1400 N (315 lbf)
Max roller speed AUTO	15,0 m/min (49,2 ft/min)
Max track speed AUTO	10,0 m/min (32,8 ft/min)
Noise level	55 dB
Operational hydraulic pressure	110 bar (1595 psi)
Max hydraulic flow	35 l/min (9,2 gpm)
Hydraulic oil tank volume	45 l (11,9 gal)
Motor power	Electric motor, 3 phase, Direct start, 5,5 kW Multiple voltage and frequency options available.

Control system

Sensors	Pulse
Control System	Evolution 2.0
Type (control system)	Radio control, Remote control
Range (Radio remote control)	Up to 300 m

Options

Nozzles	Different sizes available
PCM Carrier	70 kg (154 lb)
PCM Weight kit (all weights)	300 kg (661 lb)



Adjustable track width for narrow access and increased stability.



Detachable Power Control Module (PCM).



Hydraulic and manual side shift.



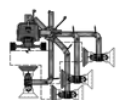
Quick connection of front and hydraulics.



Foldable back cover for easy access.

Compatible attachments

ROTOLANCE LT
2.0



EXTENSION KIT LT
2.0



PCM CARRIER



PCM WEIGHT
KIT



SUPER LANCE
SYSTEM



MULTI
NOZZLES

Compact hydrodemolition system for surface prep and industrial cleaning.



ERGO GO

Compact hydrodemolition system

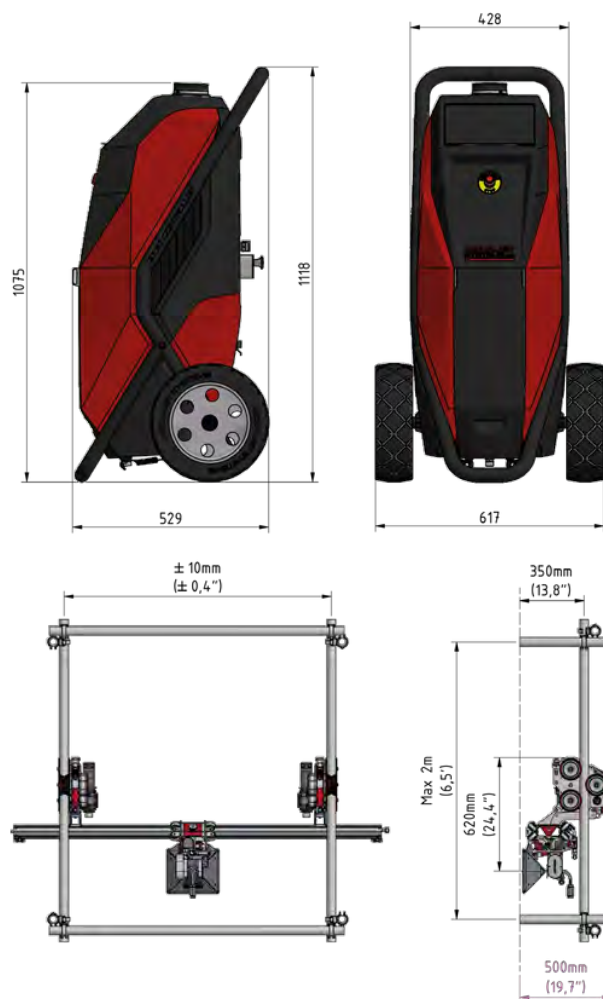
The Ergo Go is a compact hydrodemolition system designed for industrial cleaning, surface preparation, and concrete repair. Delivering four times the power of a hand lance, it enhances productivity while keeping operators safe. Easily mounted on standard scaffolding, it's perfect for confined spaces and adaptable to complex environments like silos, power plants and for refractory work.

Key features

- » **Light and compact** hydrodemolition system with quick setup.
- » **Four times the power** of a hand lance and safe for operators.
- » **Attach to standard scaffolding pipes** or shape the pipes for curved surface, like pillars or tunnels.
- » **Three key components:** the Ergo Controller unit, which powers and manages the hydraulics; the Ergo power head, which operates the high-pressure lance; and the Ergo Climbers, a unique system that supports and maneuvers the power head.
- » **Electric powered** and easily managed via the display on the Controller or through the radio remote control.
- » **Compatible with the Aqua Rail System** as well as several other attachments.



						
ELECTRIC	3000 BAR (43 500 psi)	1000 N (225 lbf)	60 DB	ERGO	RADIO REMOTE	ISC
						
CONTROLLER 3.0	POWER HEAD ERGO	CLIMBER 3.0	ROLLER BEAM ERGO	NOZZLE	BEAM BRACKET STANDARD	



Size/Range

Controller

Length (Controller)	530 mm (20,9 in)
Width (Controller)	430 mm (16,9 in)
Width over wheels (Controller)	620 mm (24,4 in)
Height (Controller)	1110 mm (43,7 in)
Wheels (Controller)	320x100 mm (12,6x3,9 in)

Climbers

Working width, linear beam	0-2,0 m (0-6,6 ft)
Working diameter, Tunnel 360°	ø1,0-4,3 m (3,3-14,1 ft)
Working diameter, Pillar 360°	ø0,4-3,7 m (1,3-12,1 ft)
Roller beam lengths	0,25/0,5/1,0 m (0,8/1,6/3,3 ft)
Scaffolding pipe	ø48,3 mm (ø1,9 in) / NPS 1,5/DN40
Lance angle	±45°
Min. width	500 mm (19,7 in)
Min. clearance height	320-500 mm (12,6-19,7 in)
Max. length between supports	2.0 m (6,6 ft)
Transport boxes	1100x355x400 mm (43,3x14,0x15,7 in)

Weight

Weight Controller (dry/with oil)	98 kg (216 lb) / 124 kg (273 lb)
Weight Ergo Power head	23 kg (51 lb)
Weight Ergo Climber	22 kg (49 lb)
Weight Roller beam (1,0 m)	9,5 kg (21 lb)

Operation

Max reaction force	1000 N (225 lbf)
Roller speed AUTO	1-15 m/min (3,3-49 ft/min)
Indexing speed AUTO	0,5-5 m/min (1,6-16 ft/min)
Parallell drive	±2%
Noise level	60 dB
Operational hydraulic pressure	20-160 bar (290-2320 psi)
Max hydraulic flow	21,4 l/min (5,6 gpm) @50Hz
Hydraulic oil tank volume	25 l (6,6 gal)
Motor power	Electric motor, 3 phase, Direct start, 4,2 kW
Multiple voltage and frequency options available.	

Control system

Sensors	ISC/Sensorless
Control System	Ergo
Type (control system)	Radio control, Remote control
Range radio control (Hard-wire)	Up to 50 m (164 ft)

Options

Nozzles	Different sizes available
Aquajet Online	Online tracking
Adjustable roller brackets	Adjustable height and angle



Passable brackets for scaffolding pipes allows for long rail systems.



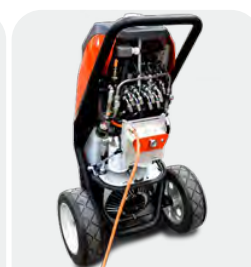
Roller brackets between Climber and Roller with adjustable height and angle as option.



Quick connect on the Controller.



Transport boxes for easy operation.



Remove back cover for easy access to all maintenance jobs.

Compatible attachments



ROTALANCE
ERGO



AQUA RAIL
SYSTEM 3.0

Compact Ergo rail kit for surface prep and industrial cleaning.



ERGO SPINE GO

Compact hydrodemolition system

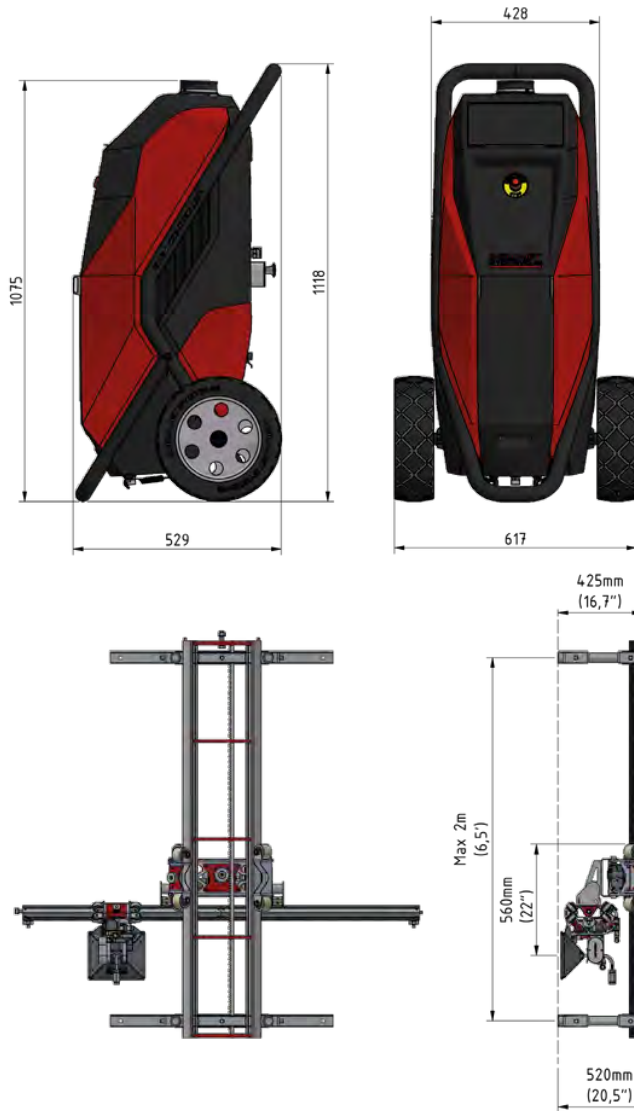
The Ergo Spine Go is part of the Ergo family, featuring a lightweight yet high-strength Ergo Spine rail that supports a roller beam and Power Head, all controlled by the Ergo Controller. Its standard setup efficiently tackles concrete walls, floors, and ceilings, while the side configuration is ideal for accessing tight or confined spaces, making it ideal for the most challenging work environments.

Key features

- » **Light yet high-strength** rail system.
- » **Four times the power** of a hand lance and safe for operators.
- » **Attach directly to surface** or use support legs if needed.
- » **Three key components:** the Ergo Controller unit, which powers and manages the hydraulics; the Ergo power head, which operates the high-pressure lance; and the Ergo Spine, a rail system that holds and maneuvers the roller beam with the power head.
- » **Electric powered** and easily managed via the display on the Controller or through the radio remote control.
- » **Compatible with the Aqua Rail System** as well as several other attachments.



						
ELECTRIC	3000 BAR (43 500 psi)	1000 N (225 lbf)	60 DB	ERGO	RADIO REMOTE	ISC
						
CONTROLLER 3.0	POWER HEAD ERGO	ERGO SPINE	SPINE HOIST	ROLLER BEAM ERGO	NOZZLE	



Size/Range

Controller

Length (Controller)	530 mm (20,9 in)
Width (Controller)	430 mm (16,9 in)
Width over wheels (Controller)	620 mm (24,4 in)
Height (Controller)	1110 mm (43,7 in)
Wheels (Controller)	320x100 mm (12,6x3,9 in)

Spine

Working width, linear beam	0-2,0 m (0-6,6 ft)
Min. width	530 mm (20,9 in)
Min. clearance height	508 mm (20,0 in)
Max. length between supports	2,0 m (6,6 ft)
Roller beam lengths	0,25/0,5/1,0 m (0,8/1,6/3,3 ft)
Lance angle	±45°

Weight

Weight Controller (dry/with oil)	98 kg (216 lb) /124 kg (273 lb)
Weight Ergo Power head	23 kg (51 lb)
Weight Ergo Spine roller	28 kg (62 lb)
Weight Roller beam (1,0 m)	9,5 kg (21 lb)
Weight Ergo Spine rail (1,0 m)	11 kg (24 lb)

Operation

Max reaction force	1000 N (225 lbf)
Roller speed AUTO	1-15 m/min (3,3-49 ft/min)
Indexing speed AUTO	0,5-5 m/min (1,6-16 ft/min)
Noise level	60 dB
Operational hydraulic pressure	20-160 bar (290-2320 psi)
Max hydraulic flow	21,4 l/min (5,6 gpm) @50Hz
Hydraulic oil tank volume	25 l (6,6 gal)
Motor power	Electric motor, 3 phase, Direct start, 4,2 kW
Multiple voltage and frequency options available.	

Control system

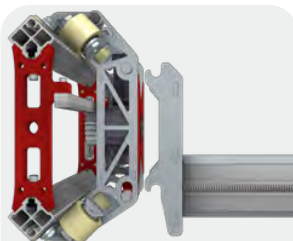
Sensors	ISC/Sensorless
Control System	Ergo
Type (control system)	Radio control, Remote control
Range radio control (Hard-wire)	Up to 50m (164 ft)

Options

Nozzles	Different sizes available
Aquajet Online	Online tracking



The Spine roller is connected to the Ergo Spine with a single bolt.



Quick connection with single bolt for different brackets and tools.



Quick connect on the Controller.



Remove back cover for easy access to all maintenance jobs.

Compatible attachments



ROTOLANCE
ERGO

ROBOT ATTACHMENTS

Aquajet's range of robot attachments expands the capabilities of every Aqua Cutter and Ergo. From powerful Rotolances to versatile Extension Kits and the innovative Hybrid Kit, each attachment enhances flexibility, precision, and performance — adding value to every hydrodemolition project.



**Smoothing the
path with surface
preparation.**



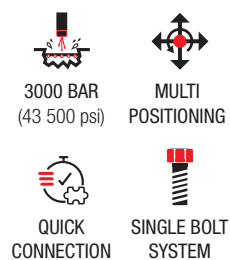
ROTOLANCE

Aqua Cutter

The Rotolance is a versatile tool for cleaning, light removal and preparatory work to roughening concrete surfaces. It removes concrete, paint and various kinds of layers such as rust and plastic – without vibrations and dust pollution.

Key features

- » **Surface preparation**, light removal and industrial cleaning.
- » **Attachment for all Aqua Cutters** as well as the Aqua Spine.
- » **Multiple versions**, depending on pressure and flow.
- » **Up to 1000 or 2500 bar** (14,500 or 36,300 psi).
- » **Comes equipped with** vacuum connections for quick and efficient cleanup.
- » **Removal capacity of 0-20 mm** in standard configuration.
- » **Compatible with Dual and Triple nozzles.**



	Rotolance 1000 (Aqua Cutter 710/750)	Rotolance 2500 (Aqua Cutter 710/750)	Rotolance 2500 XL (Aqua Cutter 710/750)	Rotolance 2500 LT (Aqua Cutter 410)
Size/Range				
Working diameter	350 mm (13,8")	350 mm (13,8")	350 mm (13,8")	210 mm (8,3")
Max. water pressure	1000 bar (14 500 psi)	2500 bar (36 300 psi)	2500 bar (36 300 psi)	2500 bar (36 300 psi)
Max. water flow	240 l/min (63,4 gpm)	65 l/min (17,2 gpm)	150 l/min (39,6 gpm)	65 l/min (17,2 gpm)
HP hose connections	M36x2 DKO	9/16" LH (M30x2)	9/16" LH (M30x2)	9/16" LH (M30x2)
Max. number of nozzles	4	20	20	20
Vacuum connections	2x2,5" BSP	2x2,5" BSP	2x2,5" BSP	2x2,5" BSP

Weight

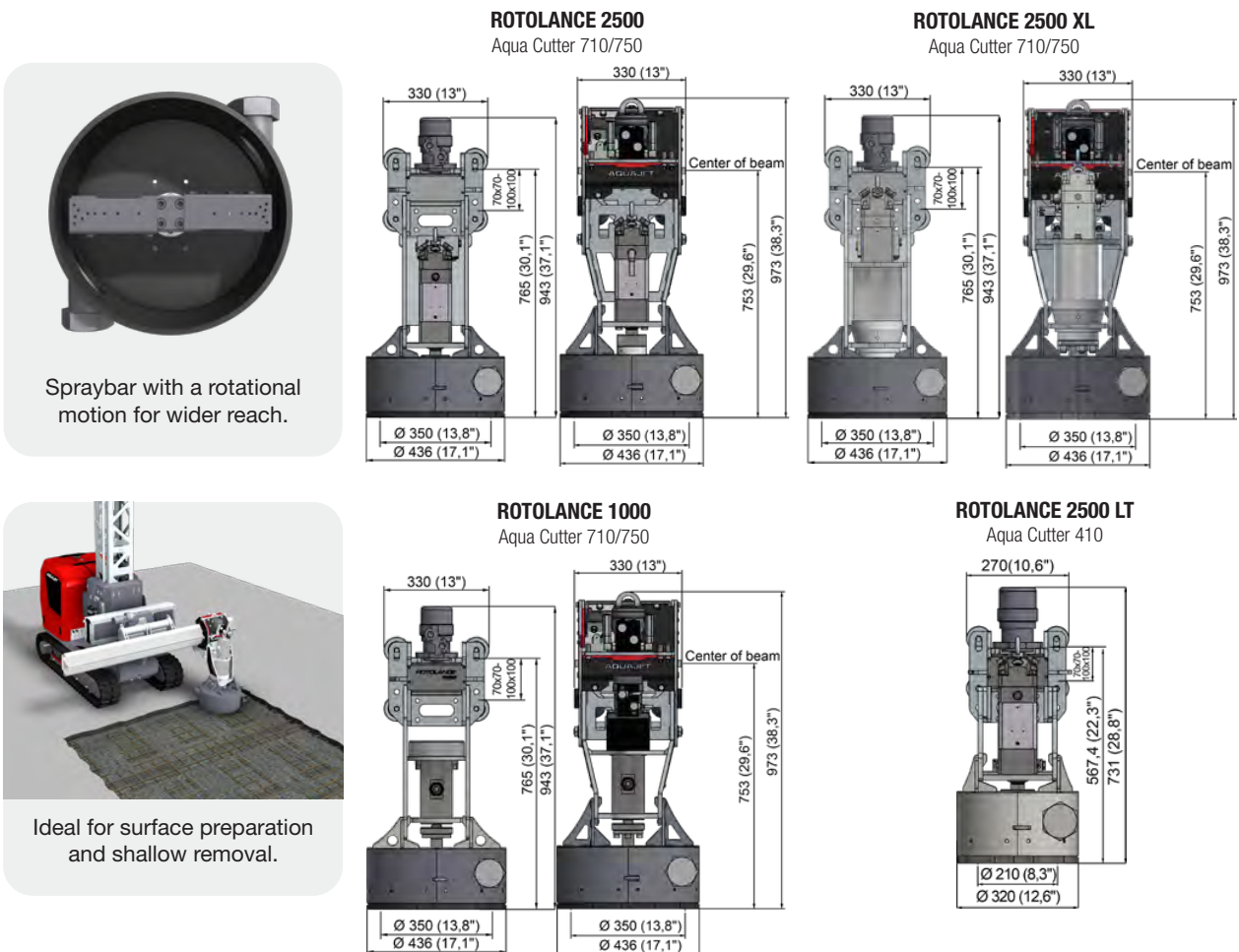
Weight	108 kg (238 lb) (710) 112 kg (247 lb) (750)	110 kg (242 lb) (710) 112 kg (247 lb) (750)	135 kg (298 lb) (710) 134 kg (295 lb) (750)	86 kg (190 lb) (410)
Weight with hosepackage	116 kg (256 lb) (710) 118 kg (260 lb) (750)	118 kg (260 lb) (710) 120 kg (265 lb) (750)	143 kg (315 lb) (710) 142 kg (313 lb) (750)	96 kg (212 lb) (410)

Operation

Rotation speed (hydraulic)	0-800 rpm (710) 0-640 rpm (750)	0-1000 rpm (710) 0-1000 rpm (750)	0-1000 rpm (710) 0-1000 rpm (750)	0-1000 rpm (710) 0-1000 rpm (750)
Min water pressure when rotating	100 bar (1450 psi)	250 bar (3626 psi)	250 bar (3626 psi)	250 bar (3626 psi)

Hydraulics

Max. hydraulic pressure	120 bar (1740 psi) (710) 200 bar (2900 psi) (750)	120 bar (1740 psi) (710) 200 bar (2900 psi) (750)	120 bar (1740 psi) (710) 200 bar (2900 psi) (750)	120 bar (1740 psi) (410)
Max. hydraulic flow	20 l/min (5,3 gpm) (710) 16 l/min (4,2 gpm) (750)	20 l/min (5,3 gpm) (710) 16 l/min (4,2 gpm) (750)	20 l/min (5,3 gpm) (710) 16 l/min (4,2 gpm) (750)	20 l/min (5,3 gpm) (410)



Compatible with



AQUA CUTTER
410/710/750



AQUA CUTTER
450 (2026)



AQUA RAIL
SYSTEM 3.0

**Smoothing the
path with surface
preparation.**



ROTOLANCE 130/130S

Ergo

The Ergo Rotolance is the ideal addition to your Ergo system! It expands the capabilities of the standard power head, making it perfect for tasks like industrial cleaning, surface preparation, concrete scarification, and paint removal. Available in two models—Rotolance 130 and Rotolance 130S—the Ergo Rotolance helps you tackle any surface challenge with ease and efficiency!

Key features

- » **Surface preparation**, light removal and industrial cleaning.
- » **Attachment for all Aqua Cutters** as well as the Aqua Spine.
- » **Multiple versions**, depending on pressure and flow.
- » **Up to 1000 or 2500 bar** (14,500 or 36,300 psi).
- » **Comes equipped with** vacuum connections for quick and efficient cleanup.
- » **Removal capacity of 0-20 mm** in standard configuration.
- » **Compatible with Dual and Triple nozzles.**



3000 BAR
(43 500 psi)



MULTI
POSITIONING



QUICK
CONNECTION



SINGLE BOLT
SYSTEM

**Divide the power
– multiple nozzle
solutions.**



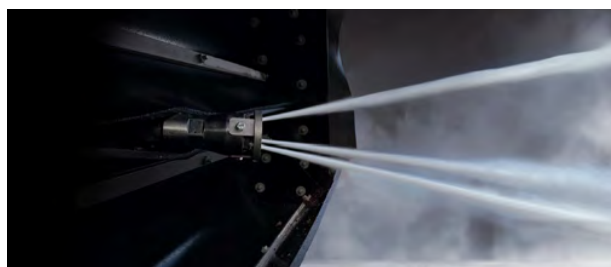
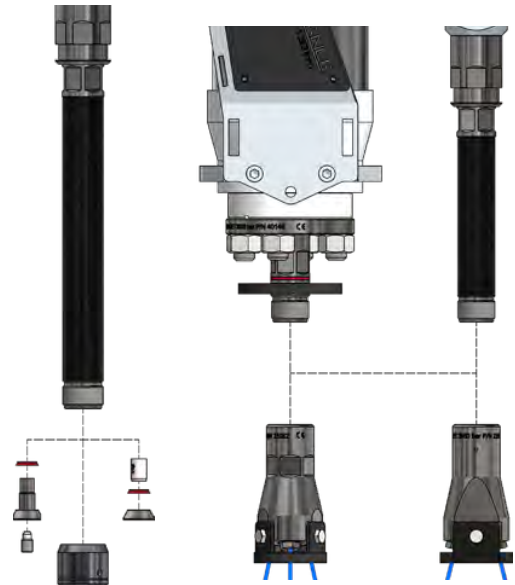
NOZZLE SOLUTIONS

Hydrodemolition accessories

Aquajet provides a complete range of nozzle solutions — from single lances with ceramic nozzles for deep, powerful cuts to multi-nozzle configurations for efficient, shallow concrete removal. With options for both lances and Rotolances, our systems deliver the versatility, precision, and performance needed for any application.

Key features

- » **Wide range of nozzle solutions** for deep or shallow, broad or precise removal.
- » **Durable Aquajet ceramic nozzles** in multiple sizes for high-pressure performance.
- » **Full compatibility** with lances, lance extensions, and Rotolances.
- » **Single nozzles** for deeper, more powerful cuts.
- » **Dual & Triple Nozzles** for extended coverage and efficient shallow removal.
- » **Spraybar configuration** for rotational hydrodemolition — ideal for cleaning, light removal, and surface preparation.



3000 BAR
(43 500 psi)



AQUAJET
CERAMIC NOZZLE

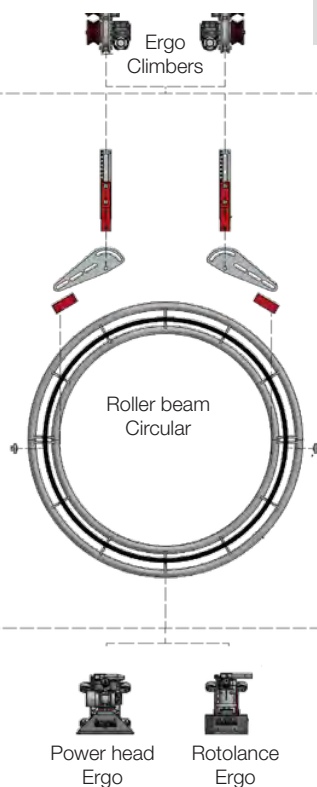
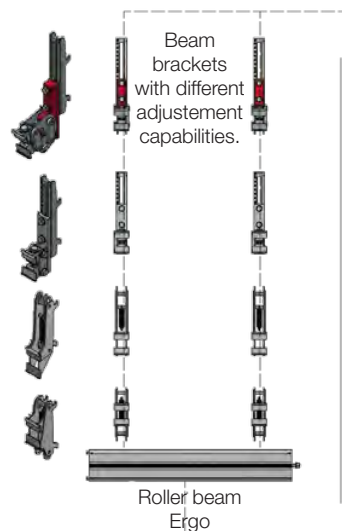


QUICK
CONNECTION

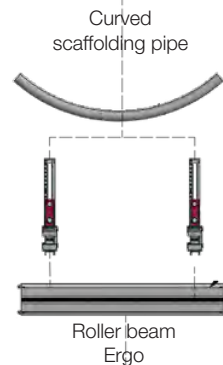
ERGO CLIMBER 3.0

Aqua Rail setup

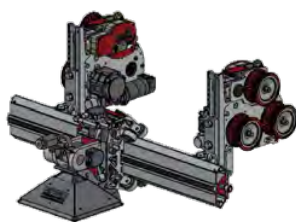
LINEAR HYDRODEMOLITION



CIRCULAR HYDRODEMOLITION Pillar & Tunnel



Ergo Climber
Linear



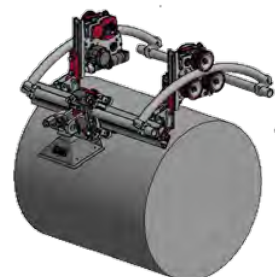
Linear setup

Ergo Climber
Circular

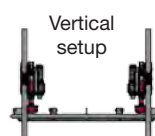


Pillar setup

Ergo Climber
Curved



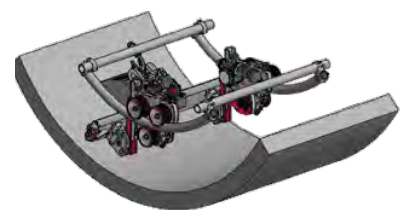
Pillar setup



Linear setup



Tunnel setup



Tunnel setup

Your partner worldwide

Together with our extensive global network of partners, we stand as a reliable and experienced partner in the global hydrodemolition and industrial cleaning industry.

Expert service, wherever you are

Our expert technicians provide maintenance, trouble-shooting, and repairs on-site or at our service center. Spare and wear parts are easily ordered with global shipping and fast delivery.

Hydrodemolition demonstrations

Seeing is believing. We offer hydrodemolition demonstrations worldwide. Contact us if you're eager to experience the power of Aquajet technology firsthand.

Prioritizing safety through Aquajet Academy

Safety is our top priority. Through Aquajet Academy and its training programs, we provide comprehensive education for skilled, safe operation and secure work environments.



For more information on our products and services, please visit our website.
www.aquajet.se



Aquajet Calculator App — Work smarter!

Simplify your work with the upgraded Aquajet Calculator app. Easily calculate nozzle sizes, pressure, and flow — now enhanced with removal capacity calculations, a robot configuration simulator, pump configurator, and more. Seamlessly switch between US and Metric units for maximum flexibility.

Access it directly on our website or download it on your phone from the App Store or Google Play.



Download on the
App Store



GET IT ON
Google Play

AQUAJET

global partner network



SWEDEN / HEADQUARTER

Aquajet Systems AB
Holsbybrunn, SWEDEN

(+46) 383-508 01
aquajet@aquajet.se
www.aquajet.se

AUSTRALIA/NEW ZEELAND

Brokk Australia Pty Ltd
Morphett Vale, AUSTRALIA
(+61) 08 8387 7742
info@brokk.com.au
www.brokk.com/au

BELGIUM

Brokk BeNeLux BV
Tessenderlo, BELGIUM
(+32) 472 671 550
benelux@brokk.com
www.brokk.com

CANADA

Brokk Sales Canada Inc.
Hamilton, ON, CANADA
(+1) 800 621 7856
keith.armishaw@brokkinc.com
www.brokk.com

CHINA

Brokk Machines Co Ltd
Beijing, P.R. CHINA
(+86) (0) 10 8225 5331
info-2008@brokk.com.cn
www.brokk.com.cn

DENMARK

SIHM Højtryk A/S
Esbjerg Ø, DENMARK
(+45) 75 15 97 00
sales@sihm.dk
www.sihm.dk

FINLAND

HP Jetvac Oy
Salo, FINLAND
(+35) 8 500 329 009
jph@hpjetvac.com
www.hpjetvac.com

FRANCE

BROKK France
Thaon-les-Vosges, FRANCE
(+33) 3 29 390 390
info@brokk.fr
www.brokk.fr

GERMANY

Brokk DA GmbH
Friedenweiler GERMANY
(+49) 7654 21297-0
info@brokk.de
www.brokk.com/de

ITALY

Brokk ITALIA srl
Milano, ITALY
(+39) 031 264 087
info@aquajet.it
www.aquajet.it

JAPAN

Gadelius Industry K.K.
Yokohama-City JAPAN
(+81) 45 595 4401
www.gadelius.com

LATIN AMERICA

Aquajet Systems AB
Holsbybrunn, SWEDEN
(+46) 383-508 01
aquajet@aquajet.se
www.aquajet.se

NORWAY

Pump Supply AS
Drammen, NORWAY
(+47) 32 27 36 00
post@pumpsupply.no
www.pumpsupply.no

SINGAPORE

Brokk Asia-Pacific PTE LTD
Singapore, SINGAPORE
+65 6 316 25 00
info@brokk.com.sg
www.brokk.com/sgp

SOUTH AFRICA

Total Blasting
Johannesburg, SOUTH AFRICA
(+27) 11 452 3292
info@totalproducts.co.za
www.totalblasting.co.za

SPAIN

Hammelmann SL
Zaragoza, SPAIN
(+34) 976 504 753
mail@hammelmann.es
www.hammelmann.es

SWITZERLAND

Brokk Switzerland GmbH
Kriens, SWITZERLAND
(+41) 41 755 39 77
service@brokk.ch
www.brokk.com/ch

TÜRKIYE

Hammelmann Türkiye
Istanbul, TÜRKIYE
+90 216 504 10 74
serkan.cakir@hammelmann.com.tr
www.hammelmann.com

UNITED ARAB EMIRATES

Brokk Middle East FZE
Dubai, DUBAI-UAE
+971 4 817 02 79
haitham.gouda@brokk.com
www.brokk.com

UNITED KINGDOM

Brokk UK Ltd.
Cumbria, UNITED KINGDOM
(+44) (0) 153 95 66055
info@brokkuk.co.uk
www.brokk.com/uk

USA

Brokk Inc.
Monroe, WA, USA
(+1) 800 621 7856
keith.armishaw@brokkinc.com
www.brokk.com

