ERGO GO
Hydrodemolition robot

Compact hydrodemolition system



AQUAJET

Ergo go

HYDRODEMOLITION ROBOT

Start your engines, get ready to go!

The Ergo Go is a revolutionary alternative in industrial cleaning, surface preparation and concrete repair applications where a compact hydrodemolition system is required. The Ergo Controller offers four times the power of a hand lance in a compact unit. It provides the maneuverability and power to keep workers out of harm's way during hazardous cleaning applications in oil, gas, refractory and other industries.

Hydrodemolition robots, such as the Ergo Go system, remove decayed concrete and built-up materials to a preset depth consistently. Using a number of productivity-enhancing attachments, contractors can remotely operate the Ergo system for efficient work in confined spaces.

The Ergo Go incorporates the controller unit, which powers and controls the hydraulics; the Ergo power head, which manipulates the high-pressure lance; and the climber, which are a unique system used to support and maneuver the power head, based on project needs. The climber attaches to any standard scaffolding or pipes and robotically moves along it to deliver powerful hydrodemolition forces for removal of materials such as paint, rubber coatings, petroleum products, rust and decayed concrete in a number of vertical vessels.

The Ergo System also works with any of two attachments in the Ergo Rotolance series for improved capabilities in confined or hard to reach places.



Get to know your ergo go

Replace hand lance work
The Ergo Go starter kit is designed for hydrodemolition operations in confined areas and to completely replace hand lance work on floors, walls or ceilings. It's perfect wherever a robot or other kinds of larger fixed hydrodemolition equipment won't fit. Above all, it's optimal wherever you need to clean or sanitize a construction site, a concrete floor, a ship's hull, and basically everything in between.

With Ergo Go you can be efficient 24/7 and handle 4-5 times more reaction force, compared to any hand lance method. Total freedom!

One size fits all
Each component brings a specific functionality to the system. Furthermore, the system is designed to make things easier and safer for the operator. All components are easy to connect with Aquajet's unique one-size, single-bolt solution. One tool is all you need.

Starter kit content
All components included in the Ergo Go starter kit have their own dedicated places inside the boxes. Ergo Go consists of 1 Ergo Controller, 1 Ergo Power Head, 2 Ergo Climbers, 2 roller beam sections (1m), 2 standard roller beam brackets, 2 low roller beam brackets, 1 radio remote, hydraulic hoses, tools and accessories.

Climb to the top
The Ergo Climbers are lifted into place with the tension handle loosened. The Ergo Climbers are designed to work on standard 48,3 mm (1,5") scaffolding pipes. The tension handle is pushed down and is secured automatically with the safety latch.

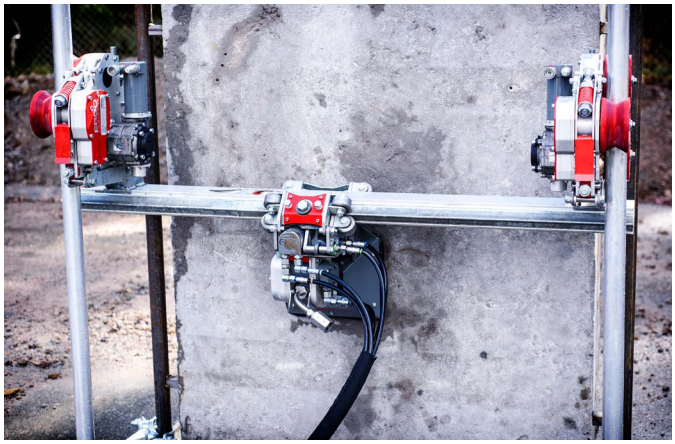
Flexible not sensitive
Thanks to the spring-loaded design and the all-wheel drive system, the Ergo Climbers are not sensitive to variations in pipe diameter. Dirt or concrete layers on the pipe is not a problem at all.

Grab, clamp and snap
When both climbers have been clamped to the pipes, the roller beam is snapped in place. The roller beam is secured with a single bolt on each side. All connection bolts have the same size. All you need is one single tool.

Connect the power head
The Power Head is snapped on to the roller beam and secured with one single bolt.

Press play and go
The hydraulic hoses are connected to the Ergo Controller with a multi connector. This is also secured with one single bolt. After the high pressure hose has been connected, the operation can be started. The settings can be controlled either from the display on the Ergo Controller or from the display on the radio remote control.







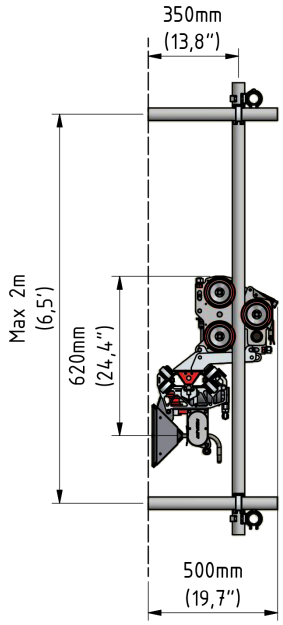


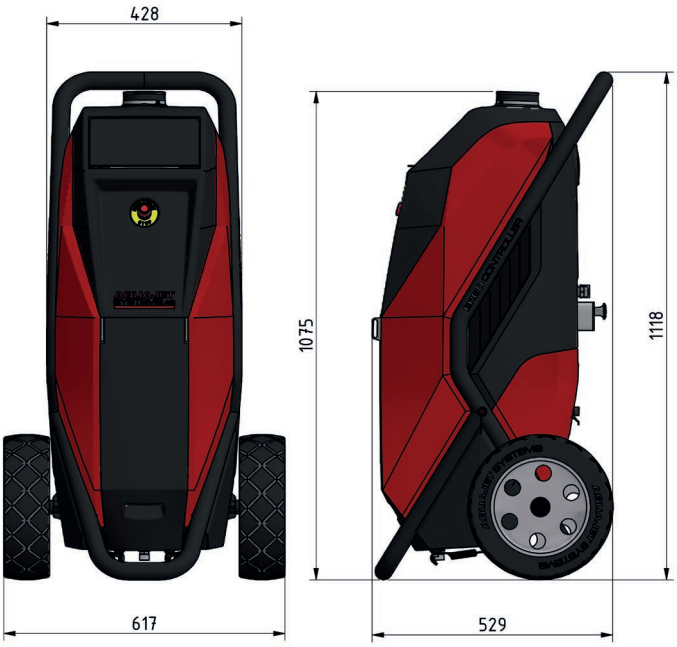
Ergo go

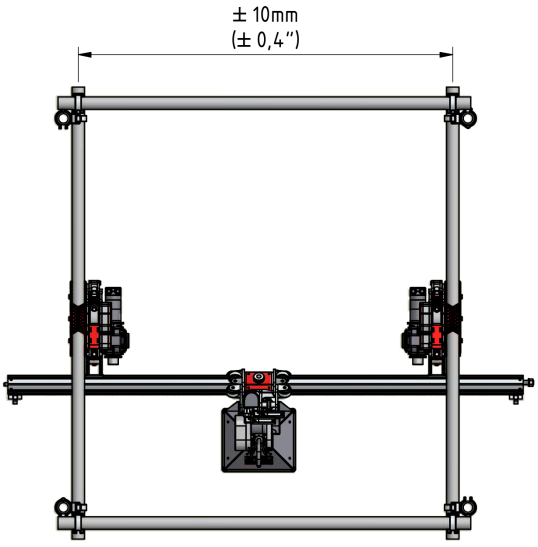
FACTS

Facts

Working width	0-2,0 m (0-6,6 ft)
Max length between supports	2.0 m (6,6 ft)
Min clearance height	320-500 mm (12,6-19,7 in)
Roller beam lengths	0,25/0,5m/1,0m (0,8/1,6/3,3 ft)
Lance angle	±45°
Oscillation steps	8° / 22mm (0,9 in) and 14° / 42mm (1,7 in)
Transport boxes	1100x355x400 mm (43,3x14,0x15,7 in)
Climber weight	22 kg (49 lb)
Power Head weight	23 kg (51 lb) / 37 kg (82 lb)
Roller beam weight	9,5 kg (21 lb)
Controller weight	98 kg (216 lb) dry, 124 kg (273 lb) with oil
Max reaction force	1000N
Parallel drive	±2%







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