

# Hydro Demolition

We are excited to introduce you to a hydro demolition robot called the Aqua Cutter 410A Evolution. It's suitable for all types of operations; it's small but extremely capable, it is designed for quick set up and safely enables high productivity on small to large hydro-demolition and scabbling projects. It has an articulated telescoping arm which enables a full range of movement. This flexibility allows the robot to reach horizontal, vertical and overhead areas in many challenging work spaces including round pipe and tunnels.

The robot is supported by a 380HP power pac (water blaster) capable of delivering up to 40,000 psi. It is currently configured to produce up to 20,000 psi at 95 litres per minute or up to 10,000 psi at 180 litres per minute.

Our personnel are trained and certified IFAP operators and are equipped to ensure your job is completed safely and efficiently.



Some of the robots features include:

- Significant increase in H&S, being able to operate the crawler from a safe distance via a remote control unit removes the operator from the immediate work zone
- Designed for working on wharves, bridges, roads, buildings, confined spaces, tanks, tunnels, pipes, treatment plants, shafts, earthquake strengthening and repairs
- Increased productivity through precise control of the water lance at higher pressures and flows than can be safely managed by hand lance operations
- Efficiently and safely replaces hand lance work in most situations
- Computer programmable to maximise production and minimise over break
- Totally repetitive hydro-demolition results 24/7
- Weighing less than 1.2 tonnes and at only 780mm wide (tracks in) the robot is small and light, so can pass through and operate in narrow passages, doorways and small tunnels
- Operate from scaffolding
- Be positioned easily
- The hydraulic arm has two rotating joints and three extensions and can reach as far/high as 3 metres (4 metres with an additional extension)
- Ability to remove corner areas with only one overpass



The Evolution control system is the most reliable, sophisticated and flexible on the market. It's possible to program geometrical figures such as circles, triangles; squares and rhomboids. The patented ISC system (Intelligent Sensing Control), means there are no cables or electronic sensors outside the enclosed engine hood.

Our hydro demolition system and team are ready to work for you.  
Please contact us for more information and to discuss your project needs.