

Hydro Milling

Ultra-high-pressure water jet system

Hydro Milling
Système de jet d'eau à ultra-haute pression
pour l'élimination du béton endommagé



This method removes (hydro-demolishes) deteriorated concrete using an ultra-high-pressure water jet. It is applied to deteriorated bridge deck slabs.

Features

- [Ensuring the quality of sound concrete](#)
It suppresses microcracks caused by impact during concrete removal work.
- [Protection of internal reinforcement](#)
Only the deteriorated concrete can be selectively removed without damaging the reinforcing steel.
- [Improved accuracy](#)
The use of a collision nozzle enables precise control of concrete removal depth.
- [Automatic control and improved construction efficiency](#)
An electronic control unit (ECU) automatically controls the concrete removal area. It enables shorter construction times and reduces the burden on operators.



Hydro-milling operation (front view)



Hydro-milling operation (side view)



Deck slab cleaning (large unit)



Deck slab cleaning (small unit)



Collision nozzle jetting



Ultra-high-pressure water generation unit (new type)

Applications

- Repairing deck slabs on concrete bridges (Removing and cleaning deck slabs, etc.)

