



- Work faster, with less damage
- Ideal for hundreds of different jobs
- Manual, automated or semi-automated
- Comprehensive customer support



# Water Jetting Solutions For **Concrete Applications**

# Water jetting vs. chipping, sawing and jackhammering

High-pressure water jetting is a clean, simple process that can help you do a variety of concrete jobs more productively. It's easier on operating personnel than chipping and jackhammering, and is environmentally-friendly. Look at all these advantages:

- faster and more productive
- more complete removal
- won't harm rebar or sound concrete
- cleans and descales rebar
- no jackhammer vibrations to cause microfractures
- leaves a superior bonding surface
- limited exposure to flying chips (none with Concrete Buster)
- washes away entrained chlorides

## Typical water jetting applications

### Coating removal



### Form cleaning



### Additional applications:

- Scaffolding cleaning
- Laitance removal
- Expansion joint removal
- Spot repair
- Concrete scarification



## Example 1: Membrane and Coating Removal

A contractor removing an epoxy coating from a large (6' by 11') municipal swimming pool in a highly-populated suburb chose NLB water jetting at 36,000 psi instead of the usual sandblasting. Using a semi-automated SPIN JET® unit on the bottom and NLB rotating lances on the sides, the pool was completely stripped in less than 4 hours and ready for recoating. And instead of two tons of sand, the job produced just four 5-gallon buckets of debris.



## Example 2: Bridge Deck Hydrodemolition



Hawaiian Dredge chose the Concrete Buster®, a robotic hydrodemolition unit from NLB, for deck repair on Oahu's Highway 1. Contractor personnel say the job would be "almost impossible" without the Concrete Buster... it works fast, avoids rebar damage and leaves a very clean edge on all sides. The unit is simple to operate and "goes like clockwork."



Hydrodemolition blasts away bad concrete, yet leaves rebar undamaged

## Example 3: Concrete Truck Cleaning

Removing hardened redi-mix concrete with chiseling or chemicals can take hours, not to mention the risk of denting and damaging your drum. The NLB water jet system removes concrete build-up faster while eliminating the need for anyone to enter a confined space. Simply insert our 360° head on a telescoping lance and position it for complete interior coverage. It can clean the chute and truck exterior, too.



# Everything you need to make water work for you

NLB, the global leader in water jetting, offers the industry's most complete range of high-pressure pumps and accessories for concrete applications. To learn more about any model described here, just click on its name.

## MANUAL

- [hand lances and nozzles](#) to suit diverse jobs
- [rotating lances](#) for more powerful jets and a wider path

## SEMI-AUTOMATED

- [Vortex™](#) coating removal units (vacuum recovery available)

## FULLY-AUTOMATED

- [Concrete Buster™ 6600](#) hydrodemolition robot
- [Concrete Buster™ 5500](#) hydrodemolition robot

## CONVERTIBLE WATER JET PUMP UNITS

*(various flows and horsepower)*

- [NLB 125 Series](#) – 6,000 psi to 40,000 psi
- [NLB 225 Series](#) – 8,000 psi to 40,000 psi
- [NLB 325 Series](#) – 8,000 psi to 40,000 psi
- [NLB 605 Series](#) – 4,000 psi to 40,000 psi
- [NLB 1005 Series](#) – 4,000 psi to 20,000 psi

Many NLB pump units and accessories are available for sale or [rent](#) at our network of [regional branches](#). These conveniently-located branches also make it easy to get spare parts, service, training (operator and safety), and water jetting advice. If you'd like to discuss a potential application with an NLB expert, [click here](#) to send an email. Someone will respond within 24 hours.



NLB 225D convertible pump unit



Vortex™ coating removal unit



Concrete Buster 5500 for vertical hydrodemolition



NCG8450A-3 rotating lance

DUE TO NLB'S CONTINUING PROGRAM OF PRODUCT IMPROVEMENT,  
INFORMATION IN THIS BROCHURE IS SUBJECT TO CHANGE WITHOUT NOTICE.



***The Leader in Water Jet Productivity***

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