

# StarJet-Plus™

## Closed Loop Water Jet Stripe and Rubber Removal System



U.S. Patent Pending  
Unit shown with optional systems.

NLB's StarJet-Plus™, allows operators to remove more pavement marking or runway rubber per shift than ever before. It is the first ultra-high pressure water jet system with a closed loop, on-board vacuum and filtration system, so users can fill the water tank once and work all day without stopping to refill. This typically saves about two hours of downtime per 8-hour shift, speeding up project completion.

The StarJet-Plus™ is a closed-loop system with rotating water jets on a robotic arm that is mounted to the front of a flatbed truck. The 40,000 psi water jets completely remove markings or curing compound as the truck drives along the road, or remove rubber as it drives along the runway. Ultra-high pressure water jetting is faster and more thorough than grinding and does less damage to concrete or asphalt.



### NLB's StarJet-Plus™. *Simple, Fast, Easy and Dependable*

- Proportional controls on the robotic arm for more speed and better control.
- Closed loop water recycling system reduces downtime and improves productivity.
- In-cab video (2 cameras in front, 1 in back) to let the driver monitor progress as well as surrounding traffic.
- Three levels of waste and debris handling to suit specific customer needs.



***The Leader in High-Pressure Water Jet Technology***

# StarJet-Plus™



## High Pressure Pump

Pumping system includes a continuous duty six cylinder diesel engine rated for 365 HP (272 kw) on a continuous duty basis and generates 13.3 gpm (50 lpm) at 40,000 psi (2,800 bar).

## StarJet-Plus Features Include:

- ❑ Integrated permanent filtration compartment for recycling waste water.
- ❑ Hydraulically actuated removal assembly with proportional controls.
- ❑ Long life UHP seal assemblies with simple to replace seal for ease of maintenance.
- ❑ Fully automatic front end service mode makes maintenance and nozzle changes quick and easy.
- ❑ Dual heads for maximum productivity Fully automatic front end service mode makes maintenance and nozzle changes quick and easy.
- ❑ Multiple nozzle bar assemblies available to match any application.
- ❑ High resolution touch screen operator interface with adjustable skip line controls allow the operator to advance between skips.
- ❑ Hydrostatic Creep drive for precise speed control during removal. (0-350 fpm).
- ❑ Slow running plunger pump built from high-grade stainless steel and provides unprecedented reliability.

## Engine Driven Pumping Assembly:

- ❑ Slow running NLB Model 40330 pump
- ❑ Belt drive with guard
- ❑ Five plunger positive lubrication
- ❑ All necessary plumbing and operating controls
- ❑ Pressure adjusting by-pass valve
- ❑ Oil filled pressure gauge

## All Units Are Factory Tested Before Shipment

*Specifications subject to change without notice*



**The Leader in High-Pressure  
Water Jet Technology**

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High resolution in-cab video cameras allow the operator to monitor progress as well as surrounding traffic.



The 25 light traffic arrow board, along with all the other work lights, are completely controllable from within the cab.

Hydraulically actuated front end assembly with proportional joystick controls allow the operator to raise/lower, sweep/extend, and retract/rotate head.



2500 gallon steel debris/vacuum tank coated with Sherwin Williams two parts Genesis coating system.