



Variable UHP pump standard.
Adjustable pressure for
different applications.



Cleans into the grooves of a
runway for increased friction
and drainage.



The easy to use operator
interface allows for safe
and accurate control of the
cleaning system.



Single pass paint removal
leaves surfaces clean and dry
within minutes.



Ultra High Pressure Runway
Rubber and Paint Removal

KEY FEATURES AND BENEFITS

- Small truck chassis for easy transport between cleaning sites or offsite waste disposal
- Cleaning heads easily changeable from rubber removal to paint removal
- 34in (0.86m) wide cleaning path for rubber removal, adjustable cleaning path for paint removal from 6in (0.15 m) to 16in (0.41m)
- Fresh water tank provides up to 2 hours of operating time.
- LCD operator interface provides fully computerized control and automated operation for the most efficient runway cleaning operations.
- High pressure pump location provides easy access for maintenance.
- No vacuum means less noise for the operator

HOW IT WORKS

- Within the Cyclone head, up to 24 sapphire-tipped spray nozzles mounted to high speed rotating arms, blast the surface with ultra-high pressure water
- Specially shaped turbine blades, mounted to the arms, create a swirling vortex of air, water, and loosened rubber or paint at 140 mph — equivalent to a category 4 cyclone storm
- As the Cyclone head moves across the surface, the Cyclone vortex provides a secondary cleaning effect, while simultaneously lifting the waste and water from the surface and depositing it into a small tank mounted on the cleaning head
- A high-volume macerator pump emulsifies and pumps the recovered waste and water into the 600 gallon (2,300 L) waste recovery tank. The used water is then separated from the recovered material for easy disposal
- The unique technology of the Cyclone system utilizes instant recovery without an expensive and maintenance heavy external vacuum system, resulting in a lower cost of operation and a faster return on investment

Faster, Greener, Cleaner



The Cyclone Difference

CYCLONE 4006 ST TECHNICAL SPECIFICATIONS

Cleaning Head Assembly	Permanently mounted, joystick controlled, multi-pivot point maneuverability. Cast aluminum housing, hydraulically driven rotation, fiberglass recovery tank. Belt-driven return pump. Rubber or Paint removal head max work pressure is 43,500psi (2,700bar) at 6gpm (21L/min). Can easily be changed from Paint to Rubber removal in minutes.
Cleaning Attachment	Gas powered, remote paint removal head operates up to 300ft (91m) distance from the main vehicle.
Rubber Removal Head	(1)40in. (1.01m) cast aluminum head, with up to 34in. (0.86m) cleaning path. Hydraulically actuated with a multi-axis arm, joystick-controlled by the operator.
Paint Removal Head	(1) 24in. (60.96cm) cast iron head with adjustable 6in (15cm) to 16in (41cm) cleaning path. Hydraulically controlled with a multi-axis arm for easy maneuverability will produce from 6in (15cm) to 16in (41cm) path of paint removal
Productivity (Rubber)	Up to 25,000ft ² (2,322m ²) per hour for rubber removal*
Productivity (Paint)	Up to 10,000 linear feet (3048 meters) per hour**
Filtration System	Inlet water filtered to 0.35 micron over 260 ft.2 of organic and particulate filtration
Water Filters	Minimum of two (2) filters before UHP pump inlet: One (1) organic 50 micron filter, one (1) particle 0.35-micron filter. Combined filter media surface area of over 260ft ² .
Water Pump	Positive displacement, triplex plunger, with full pressurized lubrication, water cooled, 5.7gal (21L) per minute up to 40,600psi (2,800bar). Variable output from 10,000psi (689bar) to 40,600psi (2,800bar)
Fresh Water Tank	Capacity: 530gal (2,081L) internally baffled, constructed of corrosion resistant fiberglass.
Reclaim Tank	Separates water from material. 600gal (2,271L) total capacity. Powered dump with powered door for easy maintenance. Available in carbon or stainless steel.
Chassis	Third party chassis available (Ford F-550 is shown in the picture). 4X2 style
Operating System	Hydraulic creep drive. Independent cooling/radiator, package. Travel in drive or hydrostatic mode.
Controls	Automated cleaning controls. Computer monitored safety and maintenance system with automatic shutdown
Speeds	Cleaning speed: Up to 3.7mph (6km/h), transport speed: Up to 65mph (105km/h)
Brakes	Hydraulically actuated 4 wheel disc brakes
Dimensions	28ft 6in L x 7ft 10in W x 6ft 9in H (8.69m L x 2.39m W x 2.06m H) (Fits into a standard shipping container)
Fuel Tank	40 gal (151L) total fuel capacity
Gross Vehicle Weight Rating	19,500 lbs. (8,845 kg)
Steering	Power steering
Power Plant Engine	Engine is a 400 HP (298 kw) 6.7L Powerstroke V8 with an intercooled turbocharger, diesel direct injection, air filter with pre- separator, radiator cooler with fan and sensor to measure the coolant temperature
Pump Safety	Pressure relief burst disk will relieve all pressure if there is an increase of 7% above maximum recommended operating pressure

Specifications are subject to change without notice. *Additional Cyclone heads available upon request. *Rubber removal based on average buildup. Heavy buildup will decrease the productivity. **Paint removal based on single coated paintlines with reflective glass beads. Excessive paint thickness will decrease productivity.

STANDARD FEATURES

- Uses a low volume of water to provide effective rubber removal and paint removal with low water consumption
- Simple, on-board, gravity based separation of waste from used water
- Patented Cyclone head provides instantaneous recovery without an external vacuum which results in 30% lower fuel cost.
- Low clearance allows for paint removal inside most parking structures.
- Computer monitoring of the equipment and driver to protect both the surface and the machine.
- Adjustable pressure allows for center line cleaning and gate cleaning without damage to the surface or paint

OPTIONAL CY200 UHP ATTACHMENT

- Same technology as CY4006 with instant recovery
- Walk-behind unit provides excellent maneuverability
- At 40,000 psi (2,757 bar) the CY200 UHP is ideal for paint removal
- Consistent results with a range of up to 300 feet (91 meters)



Contact Us For More Information



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