



CY4006HT

ULTRA HIGH PRES- SURE RUNWAY RUBBER AND PAINT REMOVAL

- Up to 2,300 m² of effective rubber removal per hour using less than 23 L/min.
- Self-contained cleaning system integrated with a Class 8 truck chassis.
- Ability to service multiple airports in a region.
- Roadway paint-line removal.
- Up to 5 hours of continuous operation using just 6,000 L of water.
- Simple design results in ease of use, serviceability, and maintenance.

KEY FEATURES AND BENEFITS

- Commercial truck chassis: Easy transport between cleaning sites; offsite waste disposal.
- Cleaning head configuration for multiple applications; 860mm wide cleaning path for rubber removal; adjustable cleaning path for paint removal 150mm to 410mm.
- Large fresh water tank provides up to 5 hours of continuous cleaning.
- LCD operator interface provides fully computerized control and automated operation for efficient runway cleaning.
- Roll-up doors provide safe accessibility to the high pressure pump and hydraulic components. Doors are constructed of noise reducing material.
- 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 along the surface, the Cyclone vortex provides a secondary cleaning effect, while simultaneously lifting the waste & water off the surface and whipping it into a small tank mounted on top of the head.
- A high-volume macerator pump further emulsifies and pumps the recovered waste water slurry into the large 7,600 liter waste recovery tank located at the rear of the vehicle with powered dump for quick and easy service.
- Cyclone Technology non-vacuum design means less maintenance and lower annual fuel cost; resulting in a faster return on investment.

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FASTER, GREENER, CLEANER  THE CYCLONE DIFFERENCE



TECHNICAL SPECIFICATIONS

CY4006HT

Cleaning Head Assembly	Removable, joystick controlled, multi-pivot point maneuverability. Cast aluminum housings, hydraulically driven rotation, fiberglass recovery tank. Belt-driven return pump. Each head max work pressure is 2,700 bar at 21L/min Each head has a separate return tank and filtration screen.
Rubber Removal Head	1010mm cast aluminum head with up to 860mm cleaning path
Paint Removal Head	60.96cm cast iron with adjustable 15.24cm to 40.64cm cleaning path
Productivity (Rubber)	Up to 1,858m ² per hour
Productivity (Paint)	Up to 914m per hour
Filtration System	Inlet water filtered to 0.35 micron over 24m ² of organic and particulate filtration
Water Filters	Minimum of two (2) filters before UHP pump: One (1) organic 50 micron filter, one (1) particle 0.35-micron filter
Water Pump	Positive displacement triplex plunger, with full pressurized lubrication, water cooled, 21.6L per minute @ 2,758 bar, variable output from 413 bar to 2,758 bar
Fresh Water Tank	Fresh water capacity: 6,000L standard. Available up to 8,327L for 6.5 hours of operating time
Reclaim Tank	Separates water from material. 7,570L total capacity. Sand blasted and powder coated stainless steel. Carbon steel tank is painted with polyurethane paint. Powered dump with powered door for easy maintenance
Chassis	Third party chassis available. 6X4 style, GVWR 26,000kg
Operating System	Creep drive. Independent cooling/radiator, package. Travel in drive or hydrostatic mode. Cleaning mode: Engine operates at 1,550RPM
Controls	Automated cleaning controls. Computer monitored safety and maintenance system with automatic shutdown
Speeds	Cleaning speed: Up to 6km/hr, transport speed: Up to 105km/hr
Brakes	Air brakes, front and rear automatically adjusted 6 wheel drum brakes
Dimensions	(Dimensions with cleaning heads retracted): L 10.5m x 2.4m x 3.5m
Fuel Tank	Up to 500L total fuel capacity
Gross Vehicle Weight Rating	Up to 27,000 kg
Steering	Power Steering
Power Plant Engine	Turbocharged liquid cooled diesel engine or equivalent
Pump Safety	Pressure relief burst disk will relieve all pressure if there is an increase of 7% above maximum recommended operating pressure

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)

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