

RUNWAY RUBBER REMOVAL WITH WATERBLASTING SYSTEM BY S.D.C.



Rubber removal, platform cleaning, surface re-texturing, SDC complete cleaning and painting on your airport grounds. Also paint cleaning and removal, oil spills and return friction to your surface. The system used is high pressure water, without any chemicals. We used the latest generation equipment with experienced personnel.



Technical Details:



www.sdc-est.net

Our specially high-pressure water blasting vehicle is equipped with a pump which has a delivery of 45.4 l/min at a variable pressure of between 0 and 2.750 bar. Depending on the thickness of the rubber deposit, water consumption ranges from approximately two to four liters per square meter.

The rubber is removed by a cleaning unit mounted at the front of the vehicle. The hydraulically-powered nozzle bar cleans over a working width of about 1.20 m.

This has the advantage of an outstandingly high performance in terms of square meters per hour (3700 m²), which results in extremely fast job times.

The waste water suction is entirely captive within the vacuum. This means that no waste water contaminated with rubber is left behind, and we can clear the runway within a few minutes without leaving any residue.

The speed of the cleaning machine, the water pressure and the speed of rotation of the spray bar can all be varied to match the different removal rates from concrete, asphalt.

In addition, different fan-jet nozzles can be used depending on the thickness of the rubber. Spray bar nozzles have the advantage that the water jet leaves the nozzle at an angle of between 10° and 45°. Unlike round jets, the force applied is distributed over a larger area, allowing us to achieve virtually 100% cleaning results without unnecessarily damaging the runway surface.

The runway lighting can be cleaned as well in a single work operation if the customer so requests. Our pricing not only includes waste water treatment but also any second cleaning operation which might be necessary.

Depending on the thickness of the deposit, the net cleaning performance is at least 1,000 to 1858 m² per hour on asphalt and concrete surfaces. Only water is used, without chemical additives of any kind. We use special, hydrostatically-driven combined tank and suction vehicles to ensure continuous operation on the runway.

ADVANTAGES OF USE HIGH PRESURE WATER FOR THE AIRPORT

- Rubber removal rates up to 40,000 sq. ft. (3716 m²/hr) on asphalt and concrete runways.
- Rapid cleaning and rejuvenation of runway center line marking retro-reflectivity reduces dramatically the frequency of center line painting.
- Runway re-texturing in extreme hot climates where friction is lost because of asphalt bleeding.
- Simultaneous vacuum recovery allows for immediate emergency landings during the removal process.
- The machine will shut down and vacate the runway in 45 seconds.