

Application Data

Automotive



Benefits of Water Jetting

- Dust free
- Minimal waste disposal
- Environmentally friendly, no smoke, fumes or chemicals
- No distortion of dollies/skids unlike with pyrolysis
- No need to remove dollies, skids or hangers from site for cleaning, they can be cleaned online without disrupting production
- No contamination of surrounding sensitive rotating equipment
- Does not profile steel so does not provide a key for paint to stick to
- Minimal water consumption
- The pump is versatile & can be used for other cleaning & cutting applications

Typical Pumps & Performances

Pump	Performance	Application
HPS1000	28lpm at 1400bar (8gpm at 20,000psi)	Removal of lightly adhered overspray paint in paint shops with hand held gun or floor cleaner
HPS3000	120lpm at 1000bar (32gpm at 14,500psi)	Removal of lightly adhered overspray paint from dollies & skids with robot mounted nozzle
Ultrabar 24	23lpm at 2750bar (6gpm at 40,000psi)	Removal of all paint from skids, dollies & hangers

Automotive plant paint shops suffer from overspray paint on dollies, skids & floor grates which can become detached & contaminate newly coated vehicle body shells, leading to expensive manual rework. An immaculate vehicle paint finish is only possible if the paint shop is contaminate-free & water jetting achieves that.

Paint shop floor grids are generally cleaned outside of production hours using push along floor cleaners which contain the water & debris. Hand

held jetting guns are used to clean smaller, intricate areas.

To clean dollies & skids on-line, without disrupting production, water jet nozzles can be attached to robots for automatic cleaning. Frequency of cleaning, type of paint etc. will determine what pressure is used, but typically between 900-2750bar.

Water jetting can also be used to strip paint from jigs & hangers used in any paint shop.



Manual cleaning inside a paint shop, 2500bar



Skid before cleaning



Skid after cleaning at 2500bar at Nissan, UK



Paint removal from Dolly, 500bar

This information is intended to be a guide only. The required pump size & performance can vary depending on many factors including rate of work required, hardness of deposit or work piece, operator skill, site access etc.

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