

## Vapor Cleaning Equipment in the Mechanical Industry

Global Vapor Ltd. line up of Saturno Systems can solve most cleaning and degreasing problems quickly and economically, producing less liquid waste than traditional systems.

Traditional degreasing systems use various solvents, high pressure water and/or compressed air to blow away low adherence particles. These steps pose a considerable risk to the environment, creating large quantities of hazardous waste to be disposed of, and increasing health risks associated with noxious fumes in the workplace. Dry vapor can eliminate most, if not all, solvent use and the associated costs of obtaining and disposing of them. Dry vapor uses a fraction of the water employed by high pressure washers and allows for contained cleaning in that water and contaminants are not dispersed through the air to compromise other workstations and equipment. Dry vapor is highly versatile in that it encapsulates contaminating micro-particles and makes them precipitate. This technology has been adopted by a growing number of leading companies to protect the health and safety of their employees in compliance with the North American standards on hygiene, health and safety in the workplace. This technology has direct applications in the following industries:

- Automotive industry
- Small parts manufacturing
- Transportation (aeronautical, rail, auto, etc.)
- Mechanical and electromechanical plants
- Laboratories

The Saturno dry vapor equipment, which has been used extensively in Europe for over 20 years, produces a superheated jet of vapor (6% moisture, and over 180° C) and uses a minimal amount of water (as little as 4 tablespoons per minute - compared to the standard pressure wash systems using 3 to 5 gallons per minute). This vapor breaks the physical bonds that hold grease, dirt, and contaminants to the surface, all in the same single step. The vapor leaves the surface virtually free of any residue – and it's completely dry and ready to use. Specially formulated emulsifiers & surfactants can be used in combination with the Saturno system where necessary. Since the system uses temperature to clean, it is a quick, simple task to remove grease and soil from surfaces and parts, and can be enhanced by using the optional vacuum recovery system. The Saturno system is much less costly to operate than typical CO2 systems, and does not harm delicate components.



Global Vapor Ltd.  
*“Changing the Way Industry  
Cleans”*

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