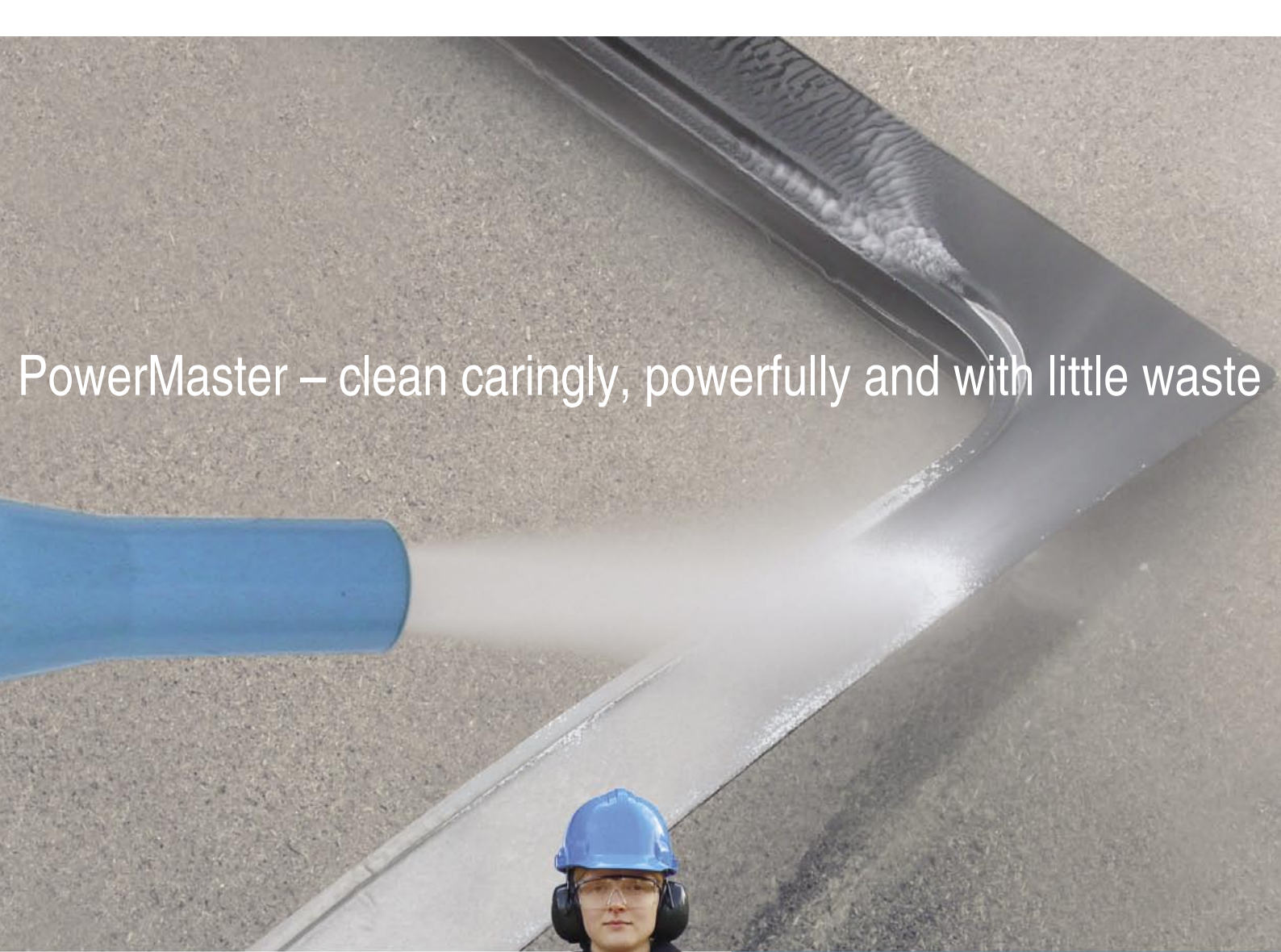


PowerMaster – clean caringly, powerfully and with little waste



PowerMaster



Mini-PowerMaster

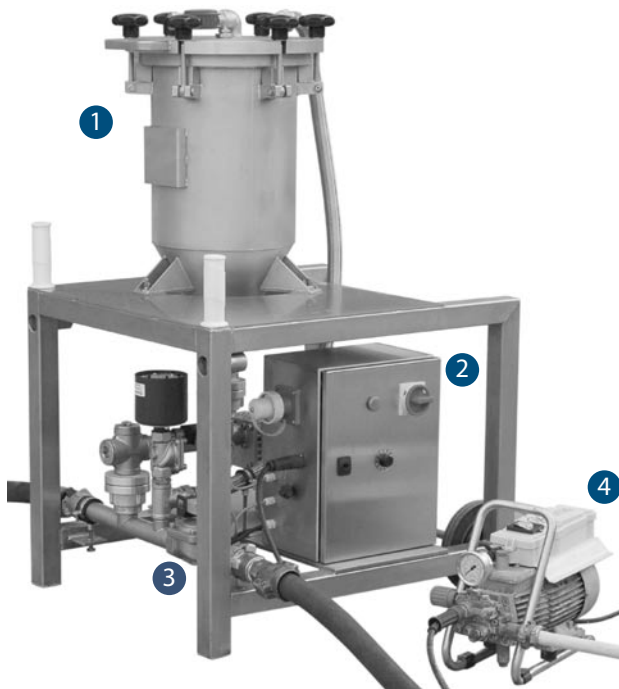


Removal of an adhesive/paper layer on a heat radiator in the paper industry

PowerMaster

Stripping the lacquer from a Maserati old-timer

PowerMaster is a new, patented blasting system that works with compressed air, small amounts of water and – if needed – also with water-soluble granules.



Procedure

Water-soluble granules are added to the compressed air by means of a dosing unit.

Subsequently, few water is added turbulently to the compressed air jet, directly in the pistol.

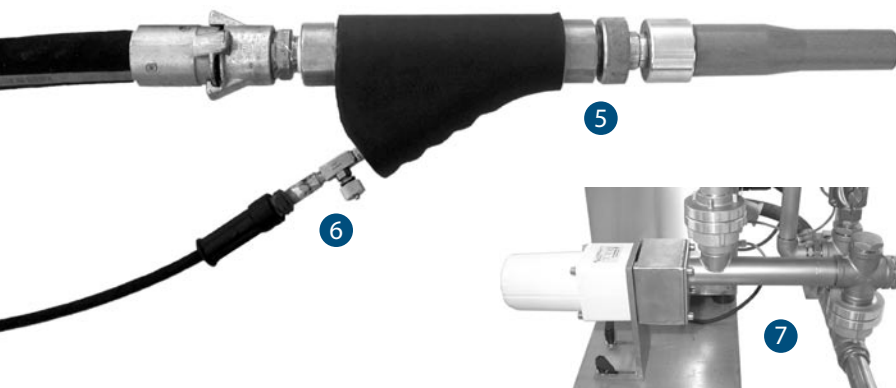
The moistening of the granules with water before the jet increases the mass weight of the granules and thus the impact force.

In addition, the granules, already water-saturated in the fringe areas, burst under the high impact pressure immediately upon hitting the surface.

Innovation

PowerMaster cleans, strips lacquer and removes coatings powerfully and with low waste. The system works cost-favourably in the low-pressure range between 3 and – depending on the device type – a maximum of 8 to 10 bar compressed air, with a low water consumption of 1 to 2 litres per minute. In this respect, the speed of the jet can be in the subsonic or supersonic range depending on the purpose of use.

When using the granules recommended by mycon, even polished high-grade-steel surfaces or light-



- 1 Storage container for granules
- 2 Switching cabinet
- 3 Solenoid valve
- 4 Compressed water dosing pump
- 5 Spray gun with nozzle
- 6 Hand-regulation valve for water dosing
- 7 Transport device for granules

environmentally friendly

cost-favourable

operator-friendly

flexible

Removal of lacquer and undersealant on railway rolling stock for the purpose of checking the welding seams.



metal surfaces can be cleaned or their coating removed without visible impairing of the metal surfaces. Foils, paints, lacquers or resins, greases, bituminous layers or separating agents on moulds can be removed carefully, quickly and economically with PowerMaster. Even for light-metal surfaces PowerMaster kann be applied.

PowerMaster can be used for the cleaning of large surface areas with special nozzles of up to 160 mm in width.

When dedusting light dirt, PowerMaster works without the addition of granules. Vehicles, vehicle wheel-rims as well as glass, synthetics or building facades of all forms can be cleaned carefully with high surface power.

Application

The stripping of lacquer from a Maserati old-timer with aluminium bodywork using dry ice proved to be uneconomical or not possible, as the thick layers of filler present could not be removed.

PowerMaster stripped the lacquer from the entire vehicle cleanly and removed the filler completely, without any damage or roughening of the aluminium surface. The entire action took one working day.

Based on experience, the lacquer-stripping of a motor car without removal of filler, is possible within a blasting time of approx. 4 to 5 hours.

Advice and service

PowerMaster can be adapted specially to your wishes. Various nozzle attachments enable operation of the installation even with small amounts of air.

We shall gladly offer you advice on how to integrate PowerMaster into your production process.

Dedusting of light dirt without granules



mycon GmbH is certified as per DIN EN ISO 9001:2000





PowerMaster technical data

PowerMaster

Mini-PowerMaster

Supply of compressed air

Supply pressure	3 up to max. 8 bar	3 up to max. 10 bar
Consumption (per minute)	3 to 10 m ³ *	from 2 m ³ *
Required air quality	PowerMaster and Mini-PowerMaster: free of oil and dust, dew point below -5° C if possible	

Water

Normal drinking water quality	Normal drinking water quality
Consumption (per minute)	1 to 2 litres **
	0,5 to 1,5 litres **

Granules

Water-soluble granules	Water-soluble granules
Consumption (per operating hour)	25 to 75 kg **
	12 to 45 kg **

Weight

Blasting pistol	5 kg	5 kg
Total installation	200 kg	120 kg

Consumption and supply pressure depend on purpose of use and nozzle used.

* depending on nozzle Attachment. PowerMaster: Air consumption with special noozles up to 14 m³

** with standard nozzles, depending on purpose of use



For further information
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