

JetWorker



CO₂-Snow Cleaning

Principles

- Embrittlement of the contamination through rapid cooling, material shrinking
- Detachment due to the transmitted forces of pressure and shearing
- Dissolving of adsorption bonds (solvent effect)
- Rinsing (increase in volume of approx. 500x during sublimation)

Performance

- Dry cleaning process
- Non-abrasive
- Solvent free
- Liquid-CO₂ supply
- Environmentally-friendly and non-toxic
- Cleaning is material non-dependent
- Residue-free cleaning
- Automatable process

The acp CO₂-Snow-Jet Cleaning technology is suitable for removing organic films and particles from surfaces.

The patented process allows for a clean, environmentally-friendly, residue- and solvent-free cleaning of delicate and finely-structured surface areas. With the aid of a supersonic jacketed jet an increased cleaning performance can be achieved while at the same time reducing the CO₂-consumption.

Automated applications can be designed to be process capable through liquid-CO₂ supply. The acp CO₂-Snow-Jet cleaning technology is available from a small mobile and stationary cleaning unit, the JetWorker and the JetStation, for a flexible cleaning in productions or for simple process evaluation up to a fully automated production platform.

CO₂ Snow-Jet Technology



Flexible cleaning equipment

The JetStation is a cleaning system based on the innovative acp CO₂-Snow-Jet cleaning process.

The design of the nozzle technology with a reduced CO₂ consumption makes it possible to have a mobile system with enough staying power while at the same time maintaining an extremely compact dimension.

The JetWorker cleaning system is equipped with CO₂ gas cylinders and can be operated mobile. To do this, it is simply connected to the compressed air network available via a quick-action coupling. Once empty, the gas cylinders can be quickly and easily renewed.

Main Unit with Nozzle device



CO₂-cooling unit



Specifications

Jetworker Model	P8e	P16
Dimensions	420 x 550 x 900 mm	
Empty weight	approx. 60 kg	approx. 70 kg
CO ₂ -supply	Standpipe bottle / liquid gas tank	
CO ₂ -fill capacity	10 kg	
CO ₂ -consumption	0,15 kg/min	
Standard-capillary	Ø 0,35 mm	
Compressed air	6-16 bar 0,25-0,6 m ³ /min	6-10 bar 0,55-1,3 m ³ /min
Working pressure	Up to 16 bar	
Hose connector	Compressed Air Quick Connector NW 7,2	
Power supply	230 V /16 A	
Housing material	Stainless steel	