JetWorker High Purity with quattroClean® technology

advanced clean production
acp-systems.com

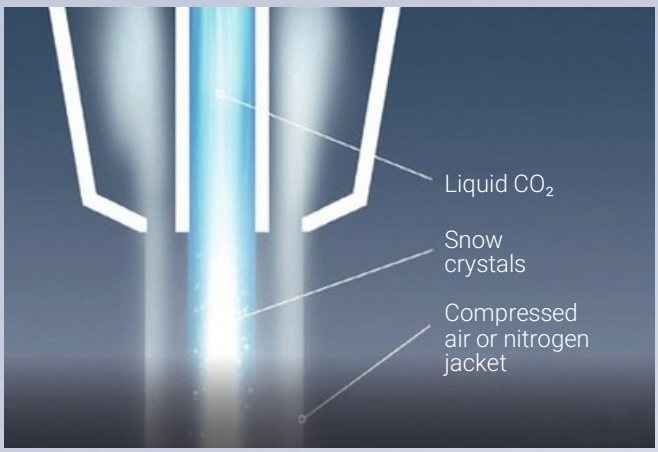
Cleanroom optimized

The JetWorker High Purity is a mobile and manual cleaning system operated with the quattroClean® snow-jet technology

For a superior cleaning effect using the most efficient, reliable & stable snow-jet technology

Description and features

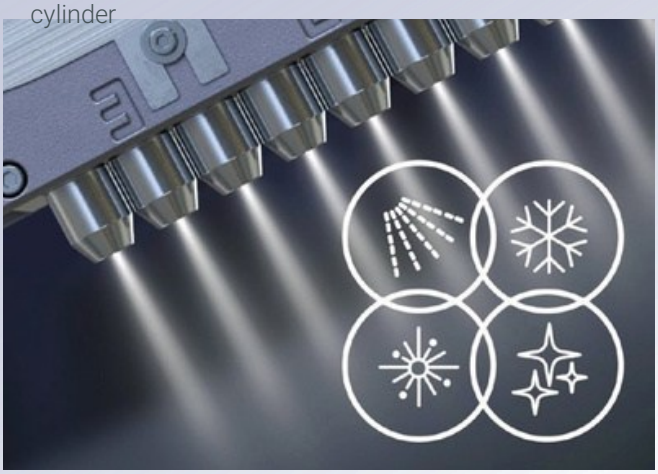
- Mobile cleaning system operated with CO_2 snow-jet cleaning technology from acp systems
- Manual cleaning process
- Equipped with tripod mounted nozzle or cleaning gun
- Cleaning process triggered by foot pedal or trigger on the hand-held unit
- Stand-alone CO_2 sensor to monitor working area concentration (optical and acoustic signal)
- Connections to compressed air network and CO_2 cylinder



Two-component concentric nozzle

acp systems AG's advanced and patented dual media nozzle technology is unique and has significant advantages over alternative systems.

For a closer look at how CO_2 snow-jet cleaning works, visit our website acp-systems.com, LinkedIn or YouTube channel.



The quattroClean® cleaning process comprises four stages: impulse transmission, rapid cooling, sublimation and solvent rinsing.

quattroClean®
technology

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JetWorker

quattroClean technology

CO_2 snow-jet cleaning

Objectives in manufacturing

Dry, particle and film free products

Features & benefits

- Dry, chemical-free cleaning
- Fast & efficient (no drying cycle required)
- Residue free
- Selective
- No chemicals or wastewater
- Kind on the environment (recaptured CO_2)
- Manual or automated

- Semiconductor
- Micro & Precision Engineering
- Electronics & Microelectronics
- Electromobility
- Medical Technology
- Aerospace

The patented CO_2 snow-jet nozzle technology from acp systems can clean sensitive surfaces on all kind of materials. This supersonic dual component quattroClean® technology provides optimized, precise and repeatable cleaning results with a minimum consumption of CO_2.

With the direct and continuous supply of high purity liquid CO_2, the manual device can easily be setup in R&D laboratories and high purity production areas.

High purity benefits

- The process is suitable for highly sensitive surface structures
- Highest specification of media supply technology for XCDA and CO_2
- Removing sub-µm particles and organic impurities
- Media filtration down to the sub-µm range
- Media-supply components in stainless steel and non-outgassing polymers
- Semiconductor industry approved components, e.g. process valves

Technical specification	JetWorker High Purity
Weight	approx. JW unit 68 kg / cooler unit 30 kg
Dimensions (H x W x D)	JetWorker: 92 cm x 43 cm x 55 cm Cooler unit: 37 cm x 36 cm x 30 cm
CO_2 supply (liquid)	Cylinder (dip tube), gas quality 4.5 (99,995%)
CO_2 consumption per nozzle	0.07 to 0.14 kg/min
XCDA	up to 10 bar
XCDA consumption per nozzle	0.2 to 0.5 m³/min
XCDA connection	12 mm cutting ring, male
Power connection	230 V / 16 A
Housing material	brushed stainless steel

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