JetStation High Purity
with quattroClean® technology

advanced
clean production
acp-systems.com

Cleanroom optimized

JetStation HP manual

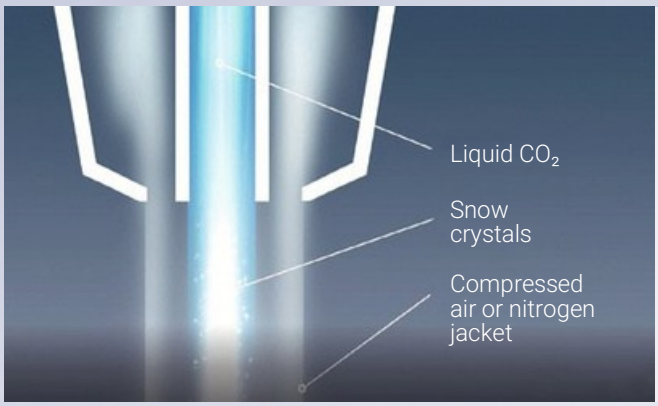
JetStation HP auto

The JetStation High Purity is a stand-alone cleaning station for manual loading. It can be operated manually or automated with the quattroClean® snow-jet technology based on CO_2.

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

Description and features

- CO_2 cleaning station for manual loading and unloading with safety switch
- Automated cleaning process with x/y/z-axis system and HMI
- Integrated extraction system to remove process gases and impurities
- Integrated laminar air flow through passive filter in the cabin ceiling or FFU
- Safe monitoring of the CO_2 concentration in the work area and automated shutdown of the CO_2 supply if the limit is exceeded
- Soundproof housing in stainless steel with different access options
- Integrated process monitoring



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

Cleanroom optimized

JetStation

quattroClean technology

CO_2 snow-jet cleaning

Objectives in manufacturing

Dry, particle and film free products

Features & benefits

- Dry, environment-friendly cleaning
- Fast & efficient (no drying cycle required)
- Residue free
- Selective
- No toxic 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 AG can clean sensitive surfaces on all kind of materials. The supersonic dual component quattroClean® technology provides 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 process qualifies perfectly for integration into automated production systems.

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	JetStation HP manual	JetStation HP automated	JetStation HP automated XL
Empty weight	500 – 650 kg		
Dimensions (H x W x D)	2.10 m / 1.40 m / 0.80 m	2.10 m / 1.40 m / 0.80 m	2 m / 1.40 m / 1 m
CO_2 supply (liquid)	Cylinder (dip tube) / tank, 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	ball valve G½"		
Power connection	400 V / 25 A		
Cabinet / Housing material	brushed stainless steel		
Front door design	Front door with iris ports	Lifting front door with integrated sliding door for loading	Automatic lifting front door

acp systems AG · Ditzingen

Berblingerstraße 8
71254 Ditzingen, Germany
+49 (0)7156 48014 - 0

info@acp-systems.com
www.acp-systems.com

acp systems AG · Zimmern ob Rottweil

Albring 18
78658 Zimmern ob Rottweil, Germany
+49 (0)741 175299 - 0