

JetStation

with quattroClean® Technology

advanced
clean production
acp-systems.com



JetStation Manual



JetStation Automated



The JetStation, Manual and Automated, is an automated, stand-alone cleaning station for manual loading operated with the quattroClean® snow-jet technology based on CO₂

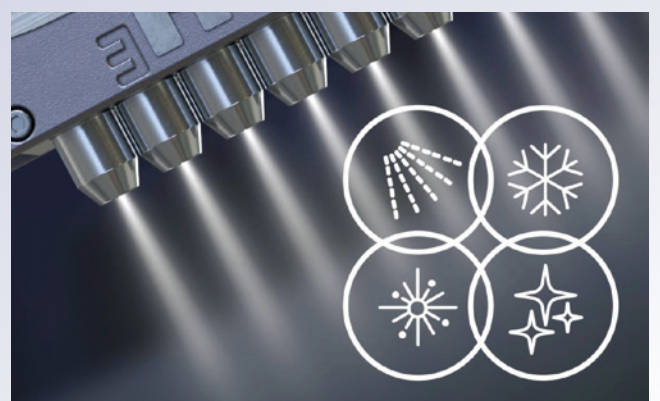
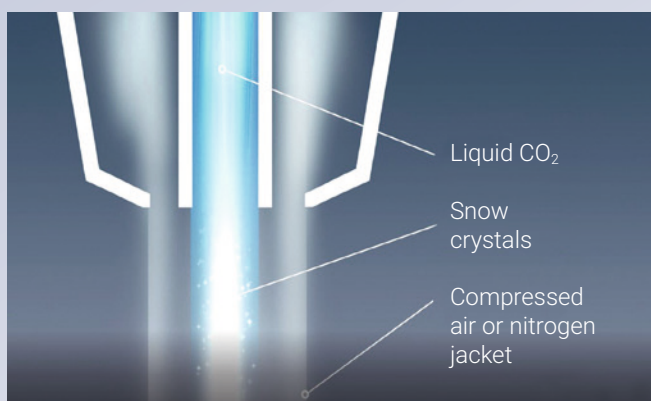


For a superior cleaning effect use the most efficient, reliable & stable snow-jet technology

Description and features

- Closed CO₂ cleaning station for manual loading and unloading with safety switch
- Fully automated cleaning process enabled through integrated x/y-axis system with HMI control panel
- External suction system to discharge the extracted pollution and CO₂

- Integrated laminar air supply flow through passive filter in the ceiling of the cabin
- Safe monitoring of the CO₂ concentration in the work area and automated shutdown of the CO₂ supply if the limit is exceeded
- Defined soundproofing and 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.

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

For a closer look at how CO₂ snow-jet cleaning works, visit our website acp-systems.com, [LinkedIn](#) or [YouTube](#) channel.



quattroClean
technology

CO₂ 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 CO₂)
- Manual or automated

Automotive

Micro & Precision Engineering

Electronics

Electromobility

Plastics

Medical Technology

Battery Pack Production

The advanced, patented CO₂ snow-jet nozzle technology from acp systems AG cleans component surfaces using a dry, environmentally friendly, residue free process. This supersonic dual component quattroClean® technology provides optimized, precise and repeatable cleaning results with a minimum consumption of CO₂.

With the direct and continuous supply of liquid CO₂, the process qualifies perfectly for integration into adaptable automated production systems, available either directly from acp systems AG, or supplied to our system integration partners as a modular system.

Benefits

- The process is dry and gentle and will not damage the surface structure
- Perfect for cleaning of sensitive and hydroscopic or porous surfaces
- No wastewater or chemicals to dispose of
- The CO₂ snow-jet process uses CO₂ that has been recaptured from existing industrial emissions, thereby ensuring no additional impact on the environment

Technical specifications	JetStation Manual	JetStation Automated	JetStation Automated XL
Empty weight	approx. 650 kg		
Dimensions (H x W x D)	2.15 m / 1.40 m / 0.80 m	2.15 m / 1.40 m / 0.80 m	2 m / 1.40 m / 1 m
CO ₂ supply (liquid)	cylinder or bulk		
CO ₂ consumption per nozzle	0.07 to 0.14 kg / min per nozzle depending on customization		
CO ₂ supply connection	DIN 477-6 or CGA 320		
Compressed air (CA) supply	2 to 10 bar; 0.2 to 0.5 m ³ / min		
CA hose connection	G1/2 inch internal thread		
Power connection	400 V to 480 V / 16 A		
Cabinet / Frame material	brushed stainless VA steel		
Door options	Hinged front door with iris glove box access	Lifting front door - service door - with sliding door access	Automatic lifting front door

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