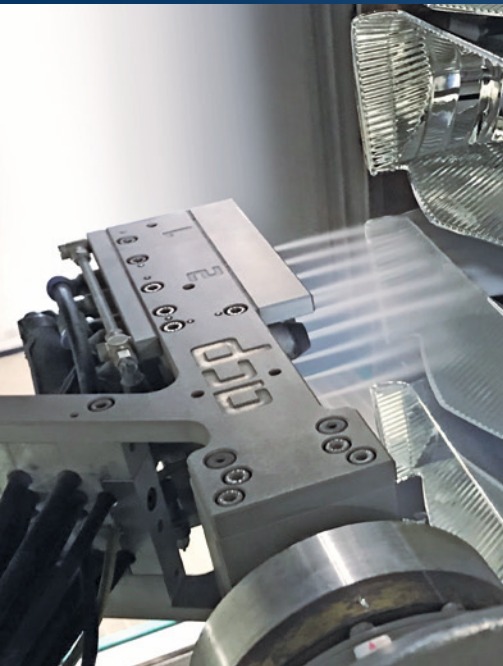


JetModule

with quattroClean® Technology

advanced
clean production
acp-systems.com

acp



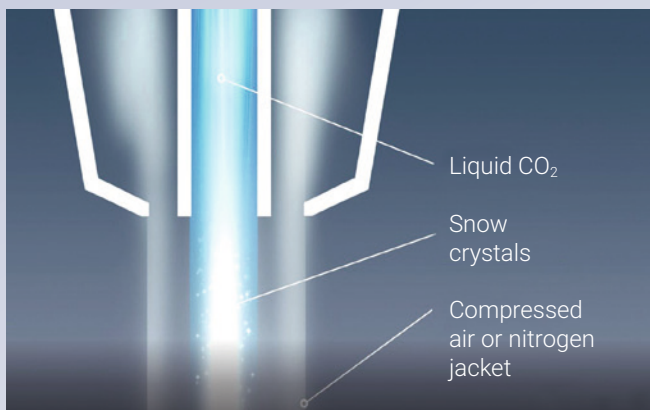
The JetModule for integration in production systems is operated with the quattroClean® snow-jet technology based on CO₂



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

Description and features

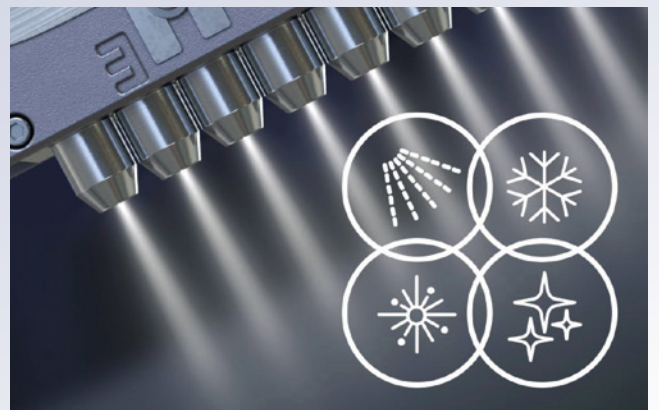
- CO₂ snow jet module to integrate the cleaning process within customer production processes e.g. cleaning before painting
- Control connection of the actuators and sensors into the parent system control via integrated I/O-terminal in the control cabinet
- A hose assembly supplies the nozzle technology of the system with compressed air and liquid CO₂ from the media cabinet
- Safe monitoring of the CO₂ concentration in the vicinity and automated shutdown of the CO₂ supply if the limit is exceeded
- Integrated monitoring of the snow-jet cleaning process



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 hygroscopic or porous surfaces
- No wastewater or chemicals to dispose of
- The CO₂ snow-jet process uses CO₂ that has been re-captured from existing industrial emissions, thereby ensuring no additional impact on the environment

Technical specifications	JetModul
Number of nozzles	1 to 24 nozzels possible depending on customer requirements and specification
Dimensions media cabinet	2,10 m / 1,00 m / 0,50 m (H x W x D)
Conformity & Certification	CE / UL
Optimum operating distance of process nozzle	80 mm to 200 mm
CO ₂ consumption per nozzle	0.07 kg / min to 0.14 kg / min
Compressed air supply	3 to 9 bar
Processing speed	up to 1000 mm / sec
Power connection	400 V / 16 A

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