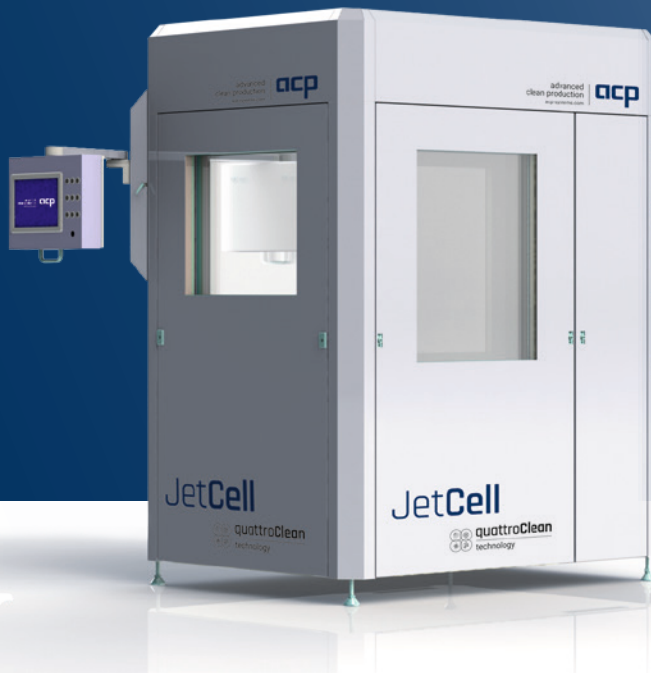


JetCell

with quattroClean® Technology

advanced
clean production
acp-systems.com

acp



Clean room
optimised

The JetCell is a fully automated cleaning cell, inline, stand-alone and application specific configurations for production integration 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

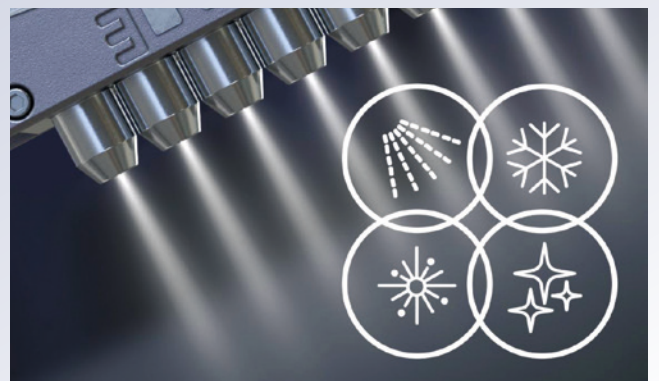
- Automated throughput of the component via workpiece carrier and conveyor belt or via integrated rotary indexing table with component-specific intake
- Fully automated cleaning process through 6-axis robot or via x/y-axis controlled nozzle (s) system
- External suction system to discharge the extracted pollution and CO₂
- Safe monitoring of the CO₂ concentration in the vicinity and automated shutdown of the CO₂ supply if the limit is exceeded
- Suitable for clean room processes (ISO 5) with active exhaust system and integrated air supply filter
- Defined soundproofing, media cabinets integrated and VA stainless steel casing
- 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 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	JetCell High-Purity
Empty weight	ca. 980 kg
Dimensions (H x W x D)	2.20 m / 1.80 m / 1.30 m
CO ₂ supply immersion	cylinder / liquid gas tank
Noise emission	approximately 70 dB
CO ₂ consumption per nozzle	0.07 to 0.14 kg / min
Compressed air requirement	2 to 16 bar; 0.2 to 0.6 m ³ / min
Hose connection	compressed air quick coupling NW 7.2
Power connection	400 V / 25 A
Cabinet / Frame material	brushed stainless VA steel

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