



PRODUCT CATALOG

2026 C10 CLEANING DRONE

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All prices are indicative, please ask for your custom tailored quote from our representative.



**WE
BUILD
DRONES.**

A black quadcopter drone with a long horizontal arm is shown in flight against a blue sky with scattered white clouds. The arm extends to the right, where a high-pressure water lance is directed at the glass facade of a tall, modern skyscraper. The building's windows are dark and reflective. The drone has four propellers and various sensors or cameras mounted on its frame.

CLEAN SMARTER, SAFER, HIGHER

- MEET THE ABZ INNOVATION C10

Redefining High-Rise Cleaning

The challenge of maintaining modern façades is a costly battle. Conventional methods like scaffolding, cranes, and rope access are slow, labor-intensive, and disruptive to daily operations. Handling high-pressure equipment at height introduces unnecessary risks to your workforce.

Meet our solution: ABZ Innovation C10

The ABZ Innovation C10 introduces a new paradigm. It combines the cleaning effectiveness of industrial pressure washers with the versatility and precision of drone technology, delivering high-quality maintenance without compromising safety or operational flow:

- No Scaffolding.
- No Height Risks.
- No Compromise.

Industrial Power, Aerial Agility

The C10 is a purpose-built industrial cleaning drone engineered to carry high-pressure cleaning lances to elevated surfaces while keeping all heavy equipment—pumps, hoses, and water sources—securely on the ground.

KEY CAPABILITIES



- **Maximum Height:** Up to 60 meters (**≈ 196.9 ft**)
- **Pressure & Temperature:** Up to 200 bar (**≈ 2900 psi**)
- **Flow Rate:** 900 liters per hour (**≈ 237.8 gph**).
- **Versatility:** Compatible with **Osmosis (RO) water** for streak-free glass cleaning and specialized nozzles for complex surfaces.

WHY CHOOSE THE C10?

- **Rapid Deployment:** Turns multi-week projects into time-efficient operations by bypassing complex setup procedures.
- **Eliminates Infrastructure:** Removes the need for costly cranes, lifts, or time-consuming scaffolding.
- **Enhanced Safety:** The pilot and crew remain on the ground, drastically reducing the risks associated with working at heights.
- **Operational Continuity:** Minimal footprint allows daily business operations to continue without disruption.
- **Access the Inaccessible:** Perfectly suitable for hard-to-reach areas where traditional machinery cannot fit.
- **Cost Efficiency:** Significantly reduces labor costs and operational downtime, meaning facilities can often remain open during cleaning.

TECHNOLOGY: ENGINEERED FOR PRECISION

The C10 isn't just a drone; it's a precision instrument. The drone is equipped with advanced avionics designed specifically for stability near structures.

Automatic Radar-Controlled Distance System:

Precision is key. The C10 features a front-mounted radar that measures the distance to the wall with an accuracy of 2–6 cm (**≈ 0.8–2.4 in.**).

- **How it works:** The pilot sets a "Desired Distance" (e.g., 1.5 meters (**≈ 4.9 ft**)). The drone automatically maintains this position relative to the surface, ensuring even cleaning.
- **Emergency Push:** If the drone detects it is too close to the wall (e.g., due to a wind gust), the system automatically pushes the drone back to a safe distance (up to 2 meters (**≈ 6.6 ft**)) and switches to manual loiter mode for safety.



RTK Positioning for Centimeter Precision

For environments requiring maximum stability, the C10 supports Emlid RTK base stations and Network RTK (NTRIP). This allows the drone to use GNSS for altitude hold rather than barometers, preventing vertical drift in fluctuating pressure zones.

Optimized Washing System

- **Capacity:** The system is engineered to handle the weight of the water-filled hose up to a working height of 60 meters (**≈ 196.9 ft**).
- **Versatility:** The payload includes interchangeable nozzle holders (straight and tilting) to adapt to different architectural features.

FLIGHT CAPABILITIES

The ABZ Innovation C10 is built for heavy-duty industrial application.

Weight & Payload

- **Max Take-off Mass (MTOM):** 24.9 kg (≈ 54.9 lbs)
- **Drone Empty Weight:** 11.75 kg (≈ 25.9 lbs)
- **Max Payload (including hose):** 8.95 kg (≈ 19.7 lbs)

Flight Performance

- **Flight Time (1 battery):** Approx. 18 min (standard operation)
- **Wind Resistance: 10 m/s (≈ 22.4 mph)**
(approx. 30 km/h (≈ 18.6 mph) recommended limit)
- **Control Range:** 3.5 km (≈ 2.2 mi)



SPECIFICATIONS

Dimensions & Compliance

- **Dimensions (Unfolded):** 1460 x 1020 x 610 mm (≈ 57.5 x 40.2 x 24.0 in)
- **Remote ID:** Dronetag DRI module (EU/US compliant)

Cleaning System Performance

- **Pressure Source:** Ground-based external unit (Compatible with a variety of cleaning systems)
- **Operating Pressure:** Up to 200 bar (≈ 2900 psi)
- **Water Flow:** 900 liters/hour (≈ 237.8 gph) (~15 liters/min (≈ 4 gpm))
- **Max Height Reach:** 60 meters (≈ 196.9 ft)

WORKFLOW: A SMARTER WAY TO WORK

Professional efficiency in three steps.

- 1. Setup:** The team positions the ground unit centrally. No heavy lifts, no scaffolding.
- 2. Launch:** The pilot ascends to the target height while the helper manages the pressure unit.
- 3. Clean:** The pilot engages the radar-based automatic distance control. The drone locks onto the façade, delivering a consistent, high-pressure wash while the operator monitors via HD FPV camera.



SUMMARY: A SMARTER APPROACH

The ABZ Innovation C10 is not just a tool; it is a complete solution for modern facility management. By replacing dangerous manual labor with precision robotics, you achieve faster results, lower costs, and a safer work environment.

READY TO RETHINK HIGH-ALTITUDE CLEANING?

Contact us: www.abzinnovation.com



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