BIRD -RENEWABLES

SOLAR | WIND | HYDROGEN | WASTE MANAGEMENT

CLEAN ENERGY. SUSTAINABLE FUTURE.

BIRD RENEWABLES PRIVATE LIMITED

PRECISION CLEANING. DRY ICE TECHNOLOGY.

BIRD ICE COMPACT & BIRD ICE PRO





BIRD ICE COMPACT
Automotive workshop concept

BIRD ICE PRO
Industrial cleaning concept

230 V AC
electrical supply

Proposed compressor supply:
210 psi / approx. 14.5 bar

Machine pressure rating and airflow to be validated

PROPOSED EQUIPMENT PACKAGE

Blasting gun and nozzle options. Blast hose, control lead and air connection accessories. Internal accessory packing arrangement.



Final accessory quantities and hose lengths to be confirmed. External compressor and dry ice supply required.

www.birdrenewables.com | info@birdrenewables.com | +91 84386 91122

Pre-production concept. Final specifications and safety validation pending.

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THE POWER OF DRY ICE CLEANING

Compressed air. Solid CO_2 pellets. Controlled surface cleaning.



01 IMPACT

Compressed air accelerates dry ice pellets toward the contaminated surface.

02 THERMAL EFFECT

Cold pellets help loosen deposits through rapid local cooling.

03 SUBLIMATION

Solid CO_2 becomes gas. Loosened dirt must still be collected.



ENGINE EXTERIORS



MACHINERY & COMPONENTS



WORKSHOP PARTS

Select settings by surface and contamination. Test a discreet area first.

Application suitability requires trials. Heavy corrosion needs a separately assessed removal method.

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CONTROLLED OPERATION. SAFETY FIRST.

Operating overview - trained operators only



BEFORE CLEANING

- Inspect hoses, cables, couplings and safety devices.
- Provide ventilation and assess CO_2 monitoring needs.
- Secure and ground the workpiece; clear the area.
- Use cold-protective gloves, eye and hearing protection.

DURING & AFTER

- Use dry ice pellets only; keep the hopper lid closed.
- Use approved settings and never aim at people.
- Before service: isolate electricity and air; depressurise.
- Remove dry ice before transport; collect cleaning debris.

IMPORTANT LIMITS

Do not operate in potentially explosive atmospheres. Never bypass safety devices. CO_2 gas can accumulate in enclosed or low areas.

This overview does not replace the final BIRD operating manual, site risk assessment or operator training.

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