

ICE-PEL series is a full-automatic dry ice pellets production equipment. It has compact structure and excellent performance, which can produce dry ice particles in different sizes by changing different molds. Its dry ice output can meet the heavy demands for dry ice each day.



FEATURES

- It can be used with dry ice washing machines or used as a stand-alone production machine.
- PLC control system, production parameters can be set easily.
- The produced dry ice is high-density and high-purity, and the consumption rate is relatively reduced.
- It can produce food-grade dry ice pellets.
- It can produce dry ice particles in different sizes by changing different molds.
- Totally enclosed design, using high-quality stainless-steel plate as the outer body, which is neat and generous in appearance, and the open frame design is easy to maintain.
- The core components adopt world-famous brands to ensure the reliable running for 24hours a day and 7 days a week in a row.
- Build-in designed hydraulic pump station and dry ice molding module reduce the floor area of equipment and avoid the influence of dust in production.
- Compact structure with small floor space, easy to move, which is the best choice for small & medium-sized workshops.

Model	ICE-PEL 150	ICE-PEL 300	ICE-PEL 500	ICE-PEL 1000
Dry Ice Output	120-150 KG/H	260-300 KG/H	460-500 KG/H	950-1000 KG/H
CO2 Conversion Rate	30-40%	30-40%	30-40%	30-40%
Hydraulic Oil	HM46	HM46	HM46	HM46
Oil Tank Capacity	200L	300L	400L	600L
Motor Power	7.5KW	15KW	22KW	44KW
Inlet Pressure	16-20Bar	16-20Bar	16-20Bar	16-20Bar
Dimensions	1700x900x1780mm	1700x1700x1780mm	1700x1800x1780mm	1700x3600x1780mm
Weight	900KG	1800KG	2000KG	3800KG
Voltage	380V/50Hz, 3Ph+N+PE	380V/50Hz, 3Ph+N+PE	380V/50Hz, 3Ph+N+PE	380V/50Hz, 3Ph+N+PE

CONFIGURATION

- Standard: Deice main body (1unit), cryogenic flexible hose (1piece), 3mm dry ice mold (1piece), 16mm dry ice mold (1piece)
- Optional: Hydraulic oil, food-grade hydraulic oil, other optional molds, mold quick-changing tool, spare kit.

DRY ICE APPLICATIONS



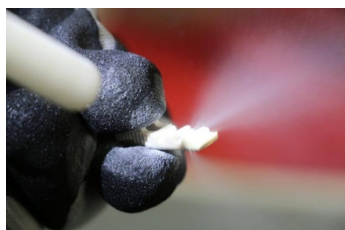
Food Preservation



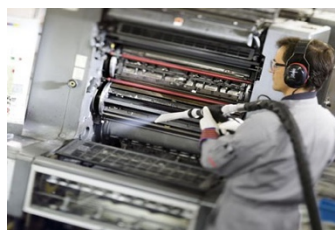
Dry Ice Medical Refrigeration



Cold-Chain Transportation



Chip Removing



Cleaning



Smoke Effects

- Dry ice is a commonly used industrial consumable and a necessary refrigeration consumable for cold-chain transportation. It can be built to produce and sell dry ice in areas where tire rubber vulcanization plants are concentrated and where fresh agricultural products are produced.
- Since dry ice is not easy to store and transport, it is recommended that the sales range of dry ice be within 100km or the transportation time should not exceed 12 hours.
- The dry ice production process is simple and convenient to manage. The sales volume is stable. Once a fixed source of customers is developed, he will usually be purchased for a long time.

DRY ICE MOLDS

Modules can be completely interchanged
(The modules can be replaced within 30 minutes)

- **3mm particles mold** → **3mm dry ice particles**
(Standard mold)



High-density 3mm dry ice particles have the best performances of dry ice blasting and cleaning.

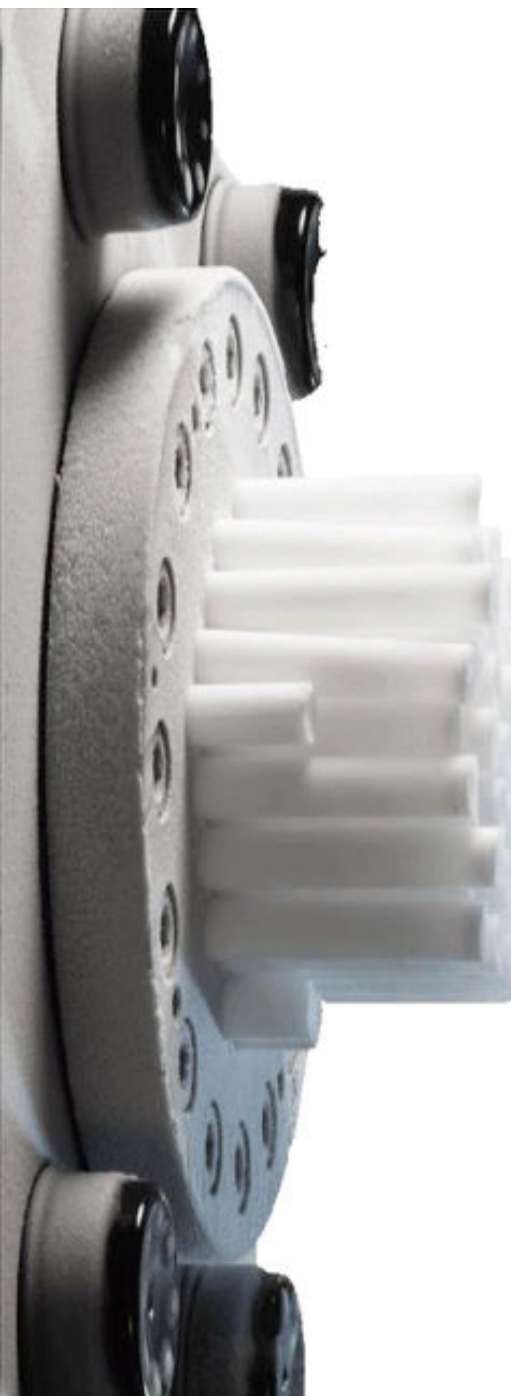
- **16mm particles mold** → **6mm dry ice particles**
(Standard mold)



High-density 6mm dry ice particles is suitable for transportation cooling, manufacturing and processing applications.

- **Other optional molds**

- 6mm (1/4 inches) Mold
- 9mm (3/8 inches) Mold
- 13mm (1/2 inches) Mold
- 16mm (5/8 inches) Mold
- 19mm (3/4 inches) Mold
- 22mm (7/8 inches) Mold



PACKAGE & WARRANTY

- Package: International Standard Veneer Case
- Warranty: One year

WHAT IS DRY ICE?

Dry ice is the solid state of carbon dioxide (CO_2) formed at a temperature of -79°C .

Carbon dioxide is naturally found as a gas on Earth. It is non-toxic and tasteless, and often used to saturate drinks to give them a fresh taste and prolong consumption. Dry ice is also used in the food industry to cool food or applied in health services.

DRY ICE PRODUCTION FLOW



Liquid CO2



Dry Ice Pelletizer



Dry Ice Pellet