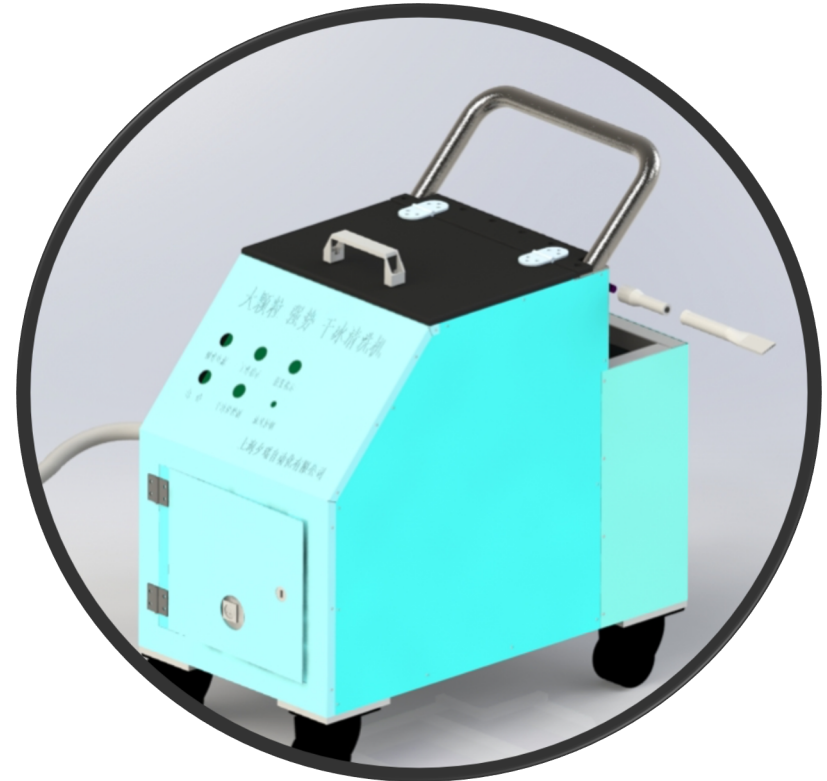


Dry Ice Blaster Cleaner (Pallet Type)

Application

1. Suitable for cleaning parts with complex area;
2. There are a variety of nozzles that can be replaced according to actual needs
3. The use of air vibration mechanical vibration design, to lowest noise. To avoid freezing particles;
4. Adopt small size, easy to move in narrow channel;
5. High-power gun lights to ensure a clear view during operation
6. The self-developed high-precision core device has a longer service life than other brands of dry ice machines.
7. Bracket equipped with gun, nozzle and spray tube.



Application

1. Moulds: Grinding heads for spray velvet cloth moulds, tire moulds, polyurethane moulds, rubber moulds, alloy die-casting moulds, etc. Decontamination is fast and time-saving
2. Food industry: biscuit ovens, conveyor belts, egg cake molds, etc.; low-temperature dry-type decontamination eliminates the chance of bacterial growth.
3. Electronic motors; circuit boards, motors, generators, etc.; dry-type decontamination, will not cause short circuit, leakage.
4. Ship: clean the hull, water inlet valve and condenser; it is cleaner than the general cleaning with high pressure water jet.
5. Automobile: dry cleaning door skins, roofs, no water stains in the compartment, and removing oil stains on the bottom of the engine will not cause water pollution
6. Aircraft industry: Degrease the jet engine, gearbox, and landing gear, and work directly on the fuselage, saving time
7. Power plant: When cleaning the turbine blades, there is no need to remove the blades, eliminating the need to readjust the kinetic energy balance of the blades.
8. Clean up the fire site after the fire: the removal effect of toxic waste, scorch smell, etc. is significant, and the amount of pollutants will not be increased
9. There are other industries such as printing industry, petrochemical industry, etc.

Dry Ice Cleaning Theory

Dry ice cleaning principle:

Using extremely low-temperature dry ice particles, under the action of compressed air, it is sprayed toward the object to be treated, so that the surface dirt is sharply frozen to embrittlement and burst. When the dry ice particles penetrate the cracks of the dirt, they immediately vaporize and their volume expands nearly 600 instantaneously. Times, so as to take the dirt away from the surface of the object.

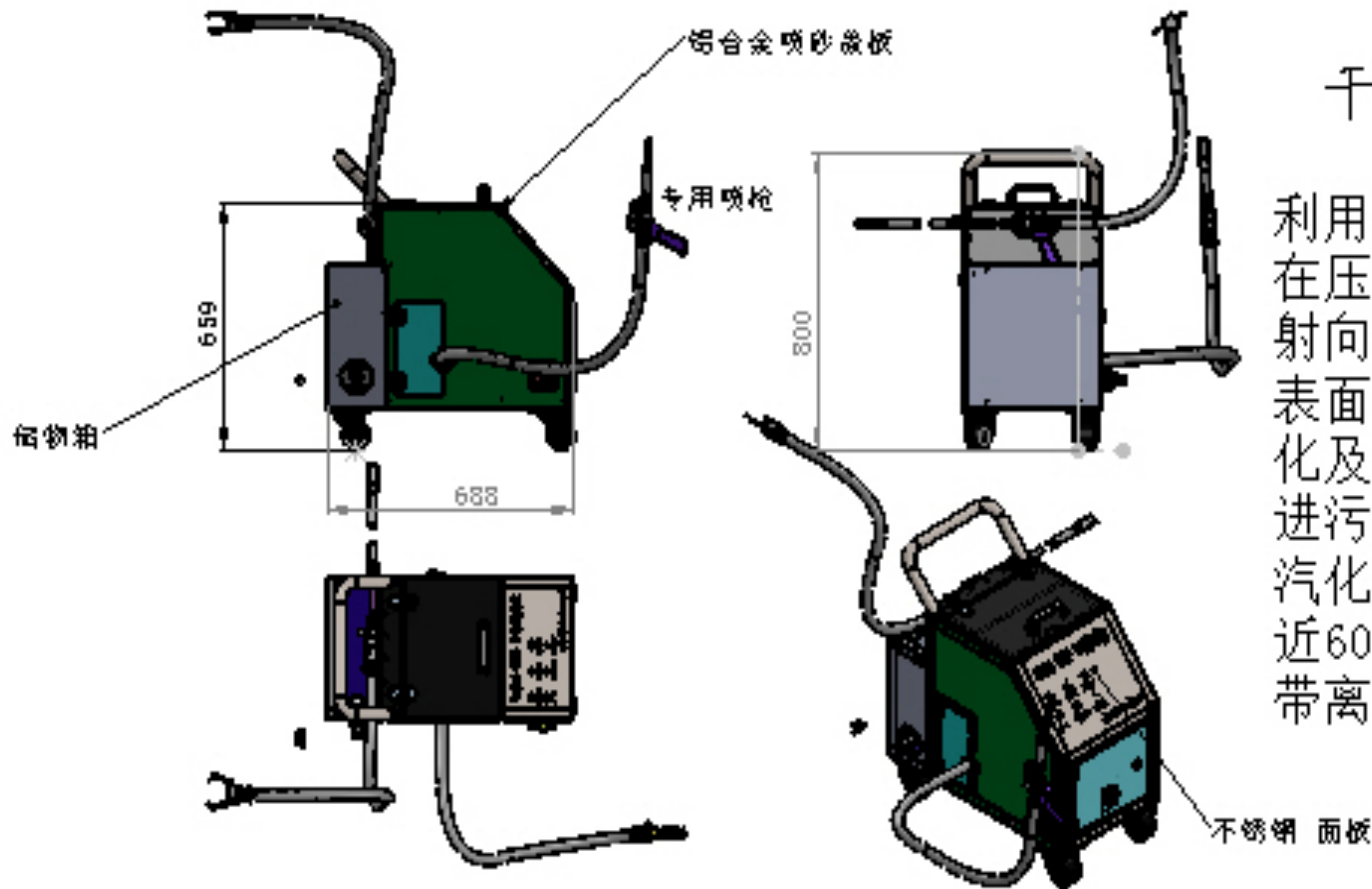
Dry ice cleaning method:

The dry ice particles are loaded into the dry ice spray cleaning machine, and the spray gun of the spray machine shoots toward the dirt surface to achieve cleaning.

Dry ice cleaning features:

It is more advantageous than sandblasting and high pressure waterjet cleaning. First of all, it has no secondary pollution, which is convenient for online operation and shortens the cleaning time of waste. Second, it can remove rubber molds, plastic molds and slit oil stains that are difficult to remove.

Equipment Dimensions and Theory



干冰清洗原理

利用极低温的干冰颗粒，在压缩空气作用下，喷射向被处理物件，使其表面污垢急剧冷冻到脆化及爆裂，当干冰粒钻进污垢的裂缝后，随即汽化，其体积瞬间膨胀近600倍，从而把污垢带离物体表面

Specifications

1. Power supply: 220VAC, 60HZ
2. Air source equipment: 0.5-0.8Mpa
3. Dry ice capacity: 8kg
4. Adjustable speed of dry ice flow: 5 ~ 30kg/h
5. Air consumption: 3-5m³/min
6. Maximum injection pressure: 8bar
7. Equipment weight: 15kg
8. Dimensions (L×W×H): 700mm×400mm×800mm

Cases Display



- Mold cleaning



- Treatment of various casting burrs



- Treatment of various equipment refurbishment

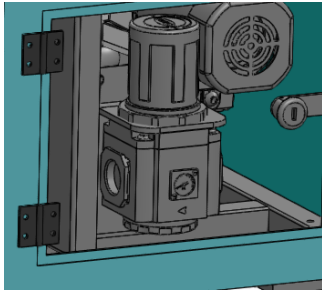


Operating Instructions

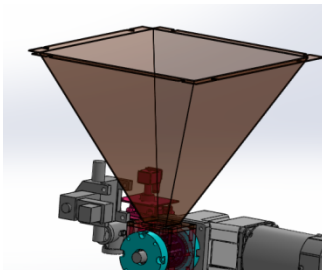
- 1 Turn on the main power



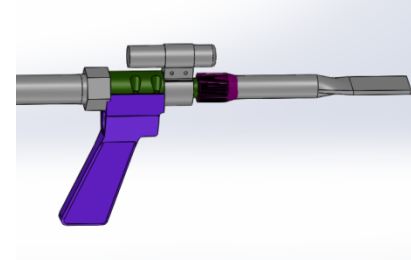
- 2 Turn on the air supply and check the air pressure



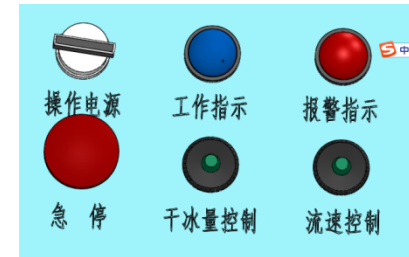
- 3 Add dry ice



- 4 Aim the spray gun at the object to be cleaned



- 5 Adjusted 3 parts appropriately
 - 1) Total air pressure adjustment
 - 2) Air flow adjustment
 - 3) Ice output adjustment



- 6 Remove the dry ice, turn off the air and turn off the power after finish using

Equipment parameters and configuration

Brand	MARUI	Model	MR-ZKTP-600
Equipment Dimension	700*350*800	Dry Ice capacity	8KG
Gross weight	30KG	Particle Dimension	3MM Columnar Granules
Maximum air pressure	5-9KG	Motor brand	JSCC
Maximum ice consumption	30KG/Hour	Electrical brand	OMRON
Equipment operating power	0.2KW	Inverter brand	JSCC
Utility	Decontamination of various parts	Power supply	Single Phase 220V

Dry ice characteristics and precautions for use

- Dry ice is solid carbon dioxide. It is obtained by condensing carbon dioxide into a colorless liquid at a pressure of 6250.5498 kPa and then quickly solidifying it at low pressure.
- Molecular weight: 44.01
- Solubility with water is 1:1
- Density (solid state): 1560kg/m³ (-78°C)
- Boiling point: -57°C
- Melting point: -78.5°C
- Triple point -56.6°C 5.17*10⁵ Pascal
- Critical point 31°C 7.37*10⁶ Pascal
- Colorless and odorless gas.
- Dissolved in water (1:1 volume ratio), partly generates carbonic acid.
- Liquid to gas ratio 8.726SCF (gas)/LB (liquid -17.8°C, pressure 21kg/cm)
- Liquid to solid ratio 0.46 (-17.8°C) 0.57 (-48°C)
- Remember to be careful every time you touch dry ice and use thick cotton gloves or other coverings to touch the dry ice! If it directly touches the skin for a long time, it may cause the cells to freeze and cause injuries similar to minor or extremely severe frostbite. Dry ice cannot be used in more sealed places such as cars and cabins, because the sublimated carbon dioxide will be denser than oxygen, so it will squeeze the oxygen away and may cause shortness of breath or suffocation!
- Don't let children touch dry ice alone! !
- The temperature of dry ice is extremely low, please do not put it in your mouth to prevent frostbite! !
- Always use thick cotton gloves, clips and other coverings when handling dry ice (plastic gloves have no barrier effect!!)
- Please use dry ice in a well-ventilated place, and avoid being in a confined space with dry ice! !
- Dry ice cannot be mixed with liquid