

Frozen Block Microwave Thawing Equipment LD1706

In the northern region, the temperature in winter is extremely low, and most of the water-containing materials stored in the factory are easily frozen into blocks, such as coal, coke, clean coal, iron ore, blue carbon, activated carbon, manganese ore, iron ore, white ash, gypsum, Iron powder, iron ore, bauxite, slag, bauxite. The frozen block brings great inconvenience to the transportation, processing, separation and application of the next step, thereby causing unnecessary loss to the production.

In the northern part of the country, the method of freezing is to build a large warehouse with heating or to use a hot air in a small insulation room for batch thawing in winter. The construction of a large heating warehouse is a tremendous investment. the heating maintenance is difficult, the heat is not easy to maintain. The small heat insulation room with hot air has low processing capacity, and heat transfer through heat conduction, heat is gradually transferred from the surface to the inside, the thawing time is long, the thawing efficiency is low, the energy consumption is high.

Structural composition of LD1706 microwave frozen block thawing equipment:

The frozen block microwave thawing equipment is suitable for larger frozen block devices, including carts, generators, microwave generators, wire ropes and defrosting chambers.

The generator and the microwave generator are respectively fixed on the cart. he fixed pulley and the hand crank are respectively installed on the front of the trolley, the wire rope passes through the fixed pulley, one end is connected with the hand rope drum, and the other end is connected with the defrosting chamber. The top of the thawing chamber is provided with an opening, and the gradual waveguide is inserted through the opening, the small end of the gradual waveguide opening is connected with the microwave generator.

Advantages of LD1706 microwave frozen block thawing equipment:

1. There is a generator in the thawing device. When not in use, the power is cut off, and the defrosting chamber is lifted and fixed by the hand rope drum. The cart can be moved freely and is convenient to use, and is suitable for complex sites.

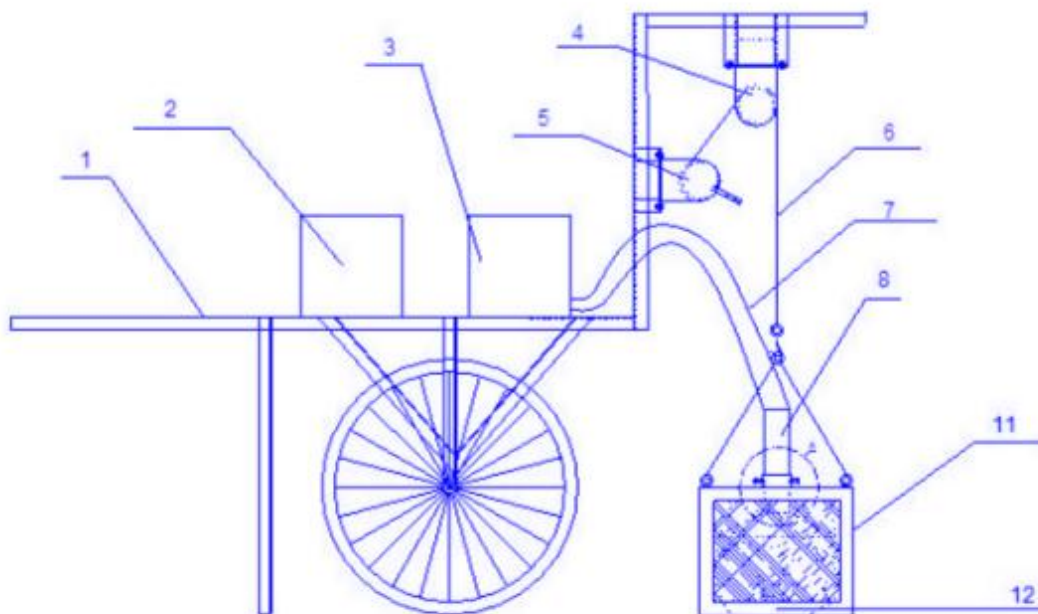
2. When using, the hand rope rope releases the defrosting chamber and puts the frozen block into the defrosting chamber, turns on the power supply, turns on the microwave generator, determines the thawing time and power according to actual needs. It can achieve

“targeted” thawing for frozen blocks, realize rapid thawing, improve thawing efficiency and reduce energy loss.

3.The device is suitable for coal, coke, clean coal, iron ore, blue carbon, activated carbon, manganese ore, iron ore, white ash, gypsum, iron powder, iron ore, bauxite, slag, bauxite, iron. Rapidly thawing of ore after freezing. It can facilitate transportatio, increase production efficiency and enhance economic efficiency.



Configuration of LD1706 microwave frozen block thawing equipment:



Cart 1, diesel generator 2, microwave generator 3, fixed pulley 4, hand rope drum 5, wire

rope 6, rectangular flexible waveguide 7, fan-shaped tapered waveguide 8, rectangular sleeve 9, positioning bolt 10, defrosting chamber 11, Frozen block 12.

LD1706 frozen block microwave thawing equipment is suitable for larger frozen blocks. It consists of cart 1, diesel generator 2, microwave generator 3, fixed pulley 4, hand rope drum 5, wire rope 6, rectangular soft waveguide 7, sector gradient waveguide 8, rectangular sleeve 9, positioning bolt 10 and defrosting chamber 11. The cart 1 is single or double wheel. The diesel generator 2 and the microwave generator 3 are respectively fixed on the trolley 1. The diesel generator 2 supplies power to the microwave generator 3, wherein the power source adopts an alternating current voltage of 220V and a frequency of 50 Hz. The microwave generator 3 should ensure that the transmitting microwave power density is 5-10 Kw/m², the transmitting microwave frequency is 2450 MHz, the diesel generator power 2 is matched with the microwave generator power 3. The microwave generator 3 is equipped with an output power adjustment button and a time switch to achieve the function that microwave generator can adjust output power level and the thawing time.

Technical parameters of LD1706 microwave frozen block thawing equipment:

Capacity	6T	8-10T	15-20T	customization
Total power	30KW	60KW	80KW	customization
Feed per hour	500KG	800-1000KG	1500-2000KG	customization
Operational pressure	Atmospheric pressure			
Service life	5-8 years			
Working method	Completely continuous			
Heating method	Electric energy			
Leakage value	≤3mw/m ³			
Microwave frequency	2450/915MHz			
Transmission speed	0-5m/min(adjustable)			
Cooling method	Cooling method			

Working principle of LD1706 microwave frozen block thawing equipment:

1. When the microwave thawing device is shut down, the microwave generator power switch is turned off, the diesel generator stops working, the defrosting chamber is hung to the highest point, the hand rope is fixed, The fan-shaped gradient waveguide is also raised to the highest point and fixed with positioning bolts on the rectangular sleeve. The cart can be parked as needed.

2. When it is necessary to thaw the frozen block, push the cart to the vicinity of the frozen block, select the horizontal floor, and lay the iron plate or conductive rubber with shielding function. Place the frozen block on the iron plate or conductive rubber so that the defrosting chamber is directly above the frozen block and unscrew the hand rope. Slowly lay down the defrosting chamber, completely cover the frozen block. Loosen the positioning bolts to adjust the height of the fan-shaped gradient waveguide so as to be as close as possible to the frozen block. After the adjustment is completed, the positioning bolt is tightened, thereby fixing the position of the fan-shaped gradient waveguide, starting the diesel generator, turning on the power of the microwave generator, adjusting the output power and thawing time setting button so that the thawing process is optimized to ensure the efficiency. If it is found that the individual parts of the frozen block are not completely thawed, the position can be changed for secondary thawing.

Leader Microwave Equipment Company is based on the LD1706 frozen block microwave thawing equipment. Design and manufacture the entire drying equipment production line, including microwave drying equipment, microwave frozen food thawing equipment, microwave drying equipment, microwave sterilization equipment, microwave high temperature muffle furnace, hot air circulation oven, drying room and supporting conveyor machinery and other complete industrial automation production line equipment.

Perfect Service:

The principle of "customer first" enables us to produce high quality equipment, and accordingly, we provide perfect services for our customers. A one-year warranty provides investors with a strong guarantee. During this time, our engineers will repair the machine for you free of charge, solve technical problems, and replace the faulty accessories for you free of charge. Of course, most users rarely use this service because our equipment is scientifically designed and reasonable, with few failures. In addition, we have prepared a 24-hour online and offline consulting platform for our clients. The consulting services are also available to friends who have not purchased equipment. We have established a team of highly skilled engineers for the majority of users to meet the production needs of most customers.

Leader Microwave Equipment Company's equipment are selling well in china as well as the

United States, South Korea, Malaysia, Australia, Thailand, Vietnam, Indonesia, the Philippines, Libya, Pakistan and other countries. LD1706 frozen block microwave thawing equipment on behalf of customers are: Zhongnuo Pharmaceutical, Ronglida Food, Shijiazhuang Group, Bayi Chemical, Jiangtung Group, Shenhong Group, Zhongnan Diamond, Xuchang Shan State and so on. Our LD1601 hot air continuous drying equipment is also very good. Welcome to contact us.