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JN-12 Microwave Equipment

I. General Description

1. Dry&Sterilize temperature:adjustable
2. Type of Feeding:continuous
3. Type of Control:control panel

II. The Features of Design

1. Transmission System:

- a. Speed of Conveying belt is adjustable.

In the transmission system, it applies frequency-converting control of speed, worm gear reducer.

- b. The conveyor belt is Teflon Belt, special for microwave.
- c. The deviation of belt is adjusted with control valve.

2. The body of the Tunnel

- a. The body of the microwave tunnel is made of 304#Stainless Steel. Inside there is one set of humidity extraction system to extract the humidity after heating.
- b. To be safe, there is Automatic Power-off device while open the door of the machine.
- c. On top there is one set of Heat extraction system to extract the heat energy generated by working of machine.
- d. One set of infrared thermometric is installed at the outlet of the tunnel to measure the temperature.

3. The controlling system

- a. On the outside panel there are frequency converting speed controller, Far infrared thermometer, Emergency stop button, Microwave on/off buttons, Start, Transmission, Stop buttons.
- b. All the controlling components will be installed into one controlling box, which is at the entrance of the machine.
- c. Ordinary button control system.
- d. The microwave power can be adjusted by choosing in the display text.
- e. Every microwave source is an independent unit. If one is broken, the machine will not be prevented from running.
- f. Every magnetron has an overheating protection device.

4. Main technical parameters:

Power Supply: 380V \pm 10% 50HZ \pm 1% three-phase five-wire

Microwave output frequency: 2450 \pm 50MHz

Microwave input apparent power: $\cong 18\text{KVA}$

Microwave output power: $\cong 12\text{KW}$

Microwave power adjustment range: 0-12KW (adjustable)

Ambient temperature: $-5-40^{\circ}\text{C}$

Relative humidity: $\cong 80\%$, Surrounding environment: no corrosive gas, conductive dust and explosive gas.

Magnetron: Panasonic, 18 sets

Conveyor belt width: 500mm

Overall dimension (L*W*H) : about 7200*850*2050mm

Transmission speed: 0-10 m/min (adjustable)

Height of the inlet and outlet : 60 mm

Microwave leak: accord with a country GB10436-89 standards ($< 5 \text{ mw/cm}^2$)

Equipment safety: accord with GB-5226 Electrical safety standard

accord with a country GB16798-1997 Food machinery health security index.

Please note: Inlet/outlet height, conveyor belt width and overall dimension can be specially designed according to your requirements.

III. Reference Picture

