

Industrial Microwave Dryer Tea Leaf Drying And Fixing Machine

1. Description Of Industrial Microwave Dryer Tea Leaf Drying And Fixing Machine

Continuous tunnel tea leaf drying machine adopts microwave technology, and uses the thermal effect and biological effect of microwave to quickly passivate the oxidase activity in the tea leaf under low temperature conditions (60-80 degrees Celsius), so that the tea leaf components are not destroyed by high temperature at all.



Due to the fast speed, high efficiency and good effect of the microwave fixing equipment, about 10% of the water can be removed while fixing, and the fixing effect is much better than the traditional sterilizing effect. The tea leaf dried by microwave drying are uniform in dryness and green in color; from the smell, the fragrance is stronger than the traditional method. At the same time, the process of microwave sterilizing is also accompanied by sterilization.

2. Parameter Of Industrial Microwave Dryer Tea Leaf Drying And Fixing Machine



| Parameter Of 60Kw Tunnel Tea Leaf Microwave Drying And Sterilizing Equipment | | |
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| No. | Parameter Of 60Kw Tunnel Tea Leaf Microwave Drying And Sterilizing Equipment | |
| 1 | Working Frequency | 2450±50Mhz |

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| 2 | Rated Input Inspecting Power | $\leq 60\text{Kw}$ |
| 3 | Microwave Output Power | Inspecting Power |
| 3 | Working Process Temperature | 70-200°C |
| 5 | Equipment Cooling Method | Water/Air Cooling |
| 6 | Operating Hours | 24 Hours In a Row |
| 7 | Inlet And Outlet Height | 40-100mm |
| 8 | Conveyor Belt Height | 600-1000mm |
| 9 | Transfer Speed Dehydration Rate | 10m/Min (Variable Frequency Adjustable) |
| 10 | Transfer Speed Dehydration Rate | 40-50Kg/H |
| 11 | Dimensions "L*W*H) | 12500mm*1600mm*2200mm (Customized) |
| 12 | Belt Width | 750±100mm (Customized) |
| 13 | Microwave Leakage Standard | GB≤5mw/Cm2 |

3.Details Of Industrial Microwave Dryer Tea Leaf Drying And Fixing Machine

| No | Modle | Power | Dehydration Capacity(Kg/h) | Sterilization Capacity(Kg/h) | Size L*W*H(mm) |
|----------|---------|-------|----------------------------|------------------------------|-----------------------|
| 1 | LY-12KW | 12KW | 12kg/h | 120-150kg/h | 7010mm*840mm*1750mm |
| 2 | LY-20KW | 20KW | 20kg/h | 200-250kg/h | 9350mm*840mm*1750mm |
| 3 | LY-40KW | 40KW | 40kg/h | 400-500kg/h | 10520mm*1060mm*1750mm |
| 4 | LY-60KW | 60KW | 60kg/h | 600-750kg/h | 12860mm*1060mm*1750mm |
| 5 | LY-80KW | 80KW | 80kg/h | 800-1000kg/h | 12860mm*1200mm*1750mm |

4. Advantages Of Industrial Microwave Dryer Tea Leaf Drying And Fixing Machine

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| NO. | Advantages of Tea Leaf Drying Microwave Machine |
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| 1 | <p>The use of an industrial microwave dryer can reduce the loss of nutrients in the tea leaf. The tea leaf stay in the microwave heating box for a short time, and do not need air and steam to conduct heat, so the nutrients in the tea leaf can be retained to the greatest extent. The traditional sterilizing and drying time is long in the drum sterilizing machine and dryer, so the nutrients in the tea leaf lose more.</p> |
| 2 | <p>The industrial microwave dryer does not need to be preheated when it is working, and it heats up instantly. The great advantage of microwave is that it heats from the inside of the material to the surface at the same time, so the heating speed is fast and the heating is uniform. The traditional drying equipment must have a preheating process during production. The tea leaf are destroyed for a long time and under the influence of high temperature, so the color and nutrients will be greatly damaged.</p> |
| 3 | <p>The quality and appearance of the tea leaf made by the industrial microwave drying mechanism are all high-quality teas. The industrial microwave will also be accompanied by the effect of killing green while drying, with less changes in leaf green, green color and storage resistance, and less aroma loss.</p> |
| 4 | <p>The traditional drying and sterilizing equipment generally has the phenomenon of high temperature and unevenness, and the defects of low output and large pollution are difficult to solve. Microwave drying and sterilizing adopts closed low-temperature drying and sterilizing. At the same time, it has the function of sterilization, simple operation, flexible use, good drying effect of finished products, large output, and does not discharge any waste, which helps you in environmental protection and green processing and production.</p> |

5.Extensive Use Of Industrial Microwave Dryer Tea Leaf Drying

And Fixing Machine

| Products Category That Can Be Dried In Continuous Tunnel tea leaf Drying Dehydrator Machine | |
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| 1 | Microwave Green Tea Drying And Sterilizing |
| 2 | Rose tea leaf Drying And Sterilizing |
| 3 | Dandelion Drying And Sterilizing |
| 4 | Mulberry Leaf Drying And Sterilizing |
| 5 | Honeysuckle Drying And Sterilizing |
| 6 | Chrysanthemum Drying And Sterilizing |
| 7 | Honeysuckle tea leaf Drying And Sterilizing |
| 8 | Herb Drying And Sterilizing |

