



# INFRARED ROTARY DRYER



The "infrared rotary dryer" uses advanced infrared technology to quickly heat materials, shorten drying time, and greatly upgrade production efficiency. The design of rotating tumble allows the material to be evenly exposed to high-intensity infrared radiation, allowing the moisture to evaporate quickly and protecting the material from damage or discoloration.

The material linger time is adjustable according to the transmission speed of the drum to find the most suitable crystal drying time. Moreover, the conveying speed of the feeding screw is also adjustable to regulate the processing capacity of the machine.

The infrared rotary dryer can dry any material easily and efficiently no matter it is flake or granular, and can achieve the ideal drying effect. It outperforms traditional drying methods by saving energy by 20%-50% or more, making it the best solution for dewatering, dehydration and dehumidification.

## MACHINE FEATURE



Spiral  
Tumble



Infrared  
Radiation



High-temp-resistant  
Protective Glass



Cooling  
Device



Protective  
Fence



Anti-fool Device

## APPLICATION OF DRYER

**Chemical:** The dryers are commonly used for calcium carbonate, aluminum oxide, magnesium oxide, and zinc oxide in the chemical industry. It mainly removes moisture from chemical substances so that the next stage of processing can be carried out.

**Textile:** The dryers are commonly used for cotton, linen, silk, wool, synthetic fibers and other textiles. It can effectively remove moisture from textiles and improve the quality and aesthetics of textiles.

**Wood:** The dryers are commonly used for drying solid wood, artificial boards, particle boards and other cutting board products. It can quickly and effectively remove moisture from wood, reducing deformation and shrinkage of wood products.

**Food:** The dryers are commonly used for black pepper, coffee, beans, sunflower seeds, coated nuts, cocoa, almonds, seeds, coconuts, feed, peppers and spices. It can effectively and quickly remove moisture to extend the preservation period of products.

## APPLICATION



Synthetic fibers



Synthetic resin



Sawdust



Activated carbon



Animal feed



Peanut



Chemical powder



Rubber ring

## MECHANICAL SPECIFICATIONS

Type	Machine size (L*W*H mm)	Feeder (kW)	Drum (kW)	Cooling fan (kW)	Infrared (kW)	Power (kW)	Capacity (kg/hr)
IRD-120X300	5410*3600*1200	0.38	2.2	0.40	18*8=144	146.98	200~500
IRD-150X360	5410*3600*1500	0.75	2.2	0.75	24*8=192	195.7	300~700
IRD-150X450	6310*4500*1500	0.75	2.2	0.75	24*10=240	243.7	350~900
IRD-180X360	5410*3600*1800	0.75	2.2	0.75	24*8=192	195.7	350~900
IRD-180X450	6310*4500*1800	0.75	2.2	0.75	24*10=240	243.7	400~1000
IRD-200X600	8257*6000*2000	0.75	3.75	0.75	24*14=336	341.25	500~1500