

Rotary Furnace 1200C



TOB-SHYT-1200X is a single zone rotary tube furnace is designed for calcining inorganic compound with better uniformity, especially excellent for preparing Li-Ion battery cathode materials with conductive or protective coating on powder, such as LiFePO_3 , LiMnNiO_3 , etc in R&D Laboratory.

- Brand:TOB NEW ENERGY
- Item No.:TOB-SHYT-1200X
- Order(Moq):1set
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:7days

Product Detail

Single Zone Rotary Tube Furnace with 100mm OD Quartz Tube, 1200C Max

SPECIFICATIONS

TOB-SHYT-1200X is a single zone rotary tube furnace is designed for calcining inorganic compound with better uniformity, especially excellent for preparing Li-Ion battery cathode materials with conductive or protective coating on powder, such as LiFePO₃, LiMnNiO₃, etc in R&D Laboratory.

Model	Rotary Furnace TOB-OTF-1200X-4-R
Furnace Construction	Double shell casing with three cooling fans High purity Alumina fibrous insulation for max. energy saving Gear DC motor drives quartz tube with variable speed 0 - 7 RPM The furnace can be tilted up to 35° by electric lift Split cover enable faster cooling and easy operation
Heating Zone length	One zone: 16" (400 mm) Constant temperature zone: 120 mm within +/-1°C
Gas Fittings	Inlet Fitting: Elbow Push-in connector for 6mm O.D tube; Outlet Fitting: Elbow Push-in connector for 12mm O.D tube
Max. Working Temperature	1100°C for continuously 1200°C Max for < 2 hours
Temperature Controller	30 segments programmable PID digital temperature controller
Rotating Time & Speed Controller	Continuous Mode: The tube will be continuously rotated if the rotating mode switch is set on "Continuous Operation" Intermittent Mode: "Intermittent Operation" allows you use the time controller to program the desired rotating and dwell time Tube Rotating Speed: 0~7 RPM variable
Temperature Uniformity	+/- 1°C in heating Zone
Tube rotating Speed	0 - 7 RPM variable
Furnace tilt angle	0 - 30°

Max. Vacuum level	4.5x10 ⁻² torr (<0.1mtorr/s leaking rate if close all the valves to airtight the tube chamber)
Production yield	2 kg per batch
Power	2.5 KW Max
Voltage	110V - 240V single phase (20 A Breaker required)
Warranty	One year limited with lifetime support
Product net weight	100kg
Dimensions	1520mm(L) x 600mm(W) x 1200mm(H)
Shipping dimensions	49"(L) x 40"(W) x 70"(H)
Shipping weight	500 lbs
Warning	<p>The tube furnaces with quartz tube are designed for using under vacuum and low pressure < 0.12 MPa (absolute pressure). never use it under higher pressure.</p> <p>Vacuum limit definition for all quartz tube furnaces: * Vacuum pressures may only be safely used up to 1000°C</p>

