

# Laboratory Vacuum Tilt Rotary Tube Furnace Rotating Tube Furnace

Item Number: KT-RTF



## Introduction

KINTEK Laboratory Rotary Furnace: Precision heating for calcination, drying, sintering. Customizable solutions with vacuum & controlled atmosphere. Enhance research now!

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Furnace model	KT-RTF12	KT-RTF14	KT-RTF16
Max. temperature	1200°C	1400°C	1600°C
Constant work temperature	1100°C	1300°C	1500°C
Heating rate	0-20°C/min	0-10°C/min	
Furnace tube material	High purity quartz / 310S Stainless Steel	Al2O3 / Si3N4 / 310S Stainless Steel	
Rotary speed	0-20rpm (Steplessly adjustable)		
Tilting angle	-5 to +30 degrees (Adjustable, typical range, can be customized)		
Furnace tube diameter (mm)	30 / 40 / 60 / 80 / 100 / 120 / 150 / 230 / 280 (Customizable)		
Single heating zone length (mm)	300 / 450 / 600 / 800 (Customizable)		
Vacuum sealing solution	SS 304 flange with O-ring / Advanced dynamic sealing system		
Chamber material	High-purity alumina fiber (e.g., Japan Mitsubishi fiber)		
Heating element	Cr2Al2Mo2 wire coil (Fe-Cr-Al alloy doped with Mo)	SiC (Silicon Carbide)	MoSi2 (Molybdenum Disilicide)
Temperature sensor	K type	S type	B type
Temperature controller	Digital PID controller / Touch screen PID controller (with PLC)		
Temperature control accuracy	±1°C		
Electric power supply	AC110-220V (selectable), 50/60HZ, Single Phase / Three Phase (as per requirement)		
Different tube materials, sizes, heating zone lengths, and other specifications can be customized to meet your specific experimental requirements.			