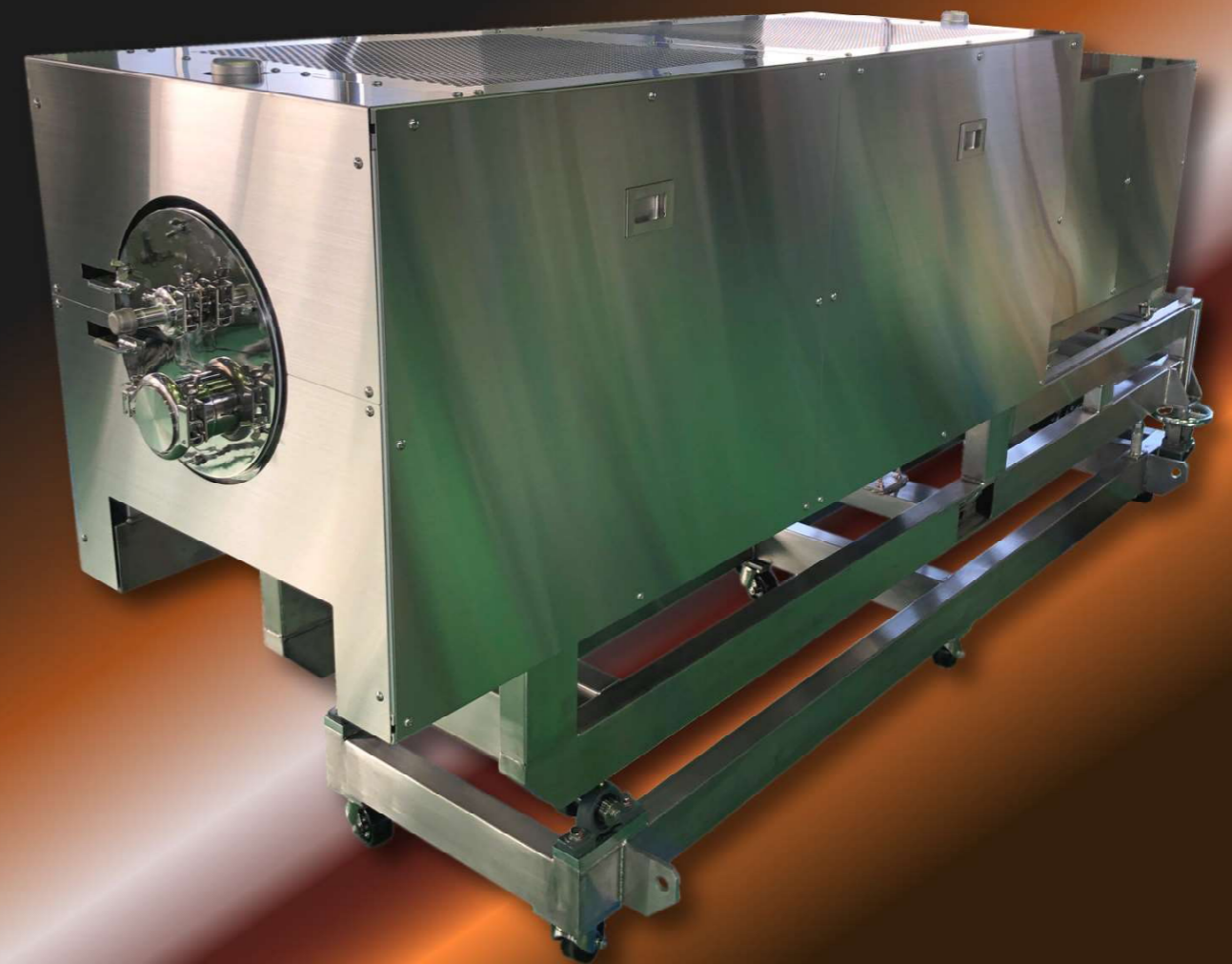


Induction Heating
Rotary Kiln
New!!
 (IHRK-007-3 · IHRK-007-4)

Items	Specifications	
Type	IHRK-007-3	IHRK-007-4
Electrical Power	3P 200V (50/60Hz) 125A	3P 200V (50/60Hz) 175A
Required Power Capacity	25.2kVA~	33.6kVA~
IH Inverter	7kw×3	7kw×4
Heating Area	ODφ216.3×1200mm	ODφ216.3×1800mm
Temp. Control	PID Control (Up to 350°C) 3zones	PID Control (Up to 350°C) 4zones
Heating Coil	Copper Tube(Water Cooling:200cc/min. Required)	
Rotating Speed of Kiln	~15r.p.m (Inverter Control)	
Inclination Angle of Kiln	Max.5 deg	
Screw Feder Speed	~30r.p.m (Inverter Control)	
Production Capacity	48kg/H(In the case of sesame)	72kg/H(In the case of sesame)
Machine Weight	Approx. 1,120kg	Approx. 1,320kg
Full Length:A	2 7 4 5 mm	3 6 6 0 mm
Inlet Height:B	1 2 0 0 mm	1 2 8 0 mm
Outlet Height:C	7 2 0 mm	8 0 0 mm
Total Height:D	1 2 9 0 mm	1 3 7 0 mm

※The heated steam generator is optional.



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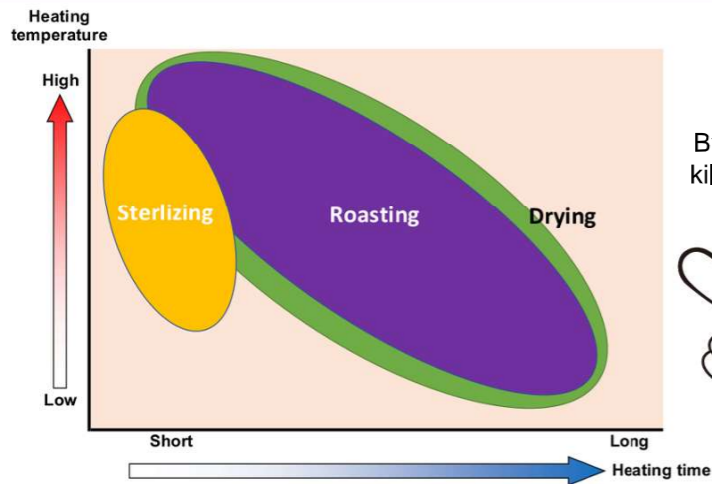
This Continues Rotary Kiln is to be applies Induction Heating technology and has a capability to add the Super Heat Steam injection.

This IH heat treatment is suitable for sterilizing, drying, roasting and bulking of coffee beans, sesame seeds, nuts, tea leaves and others.

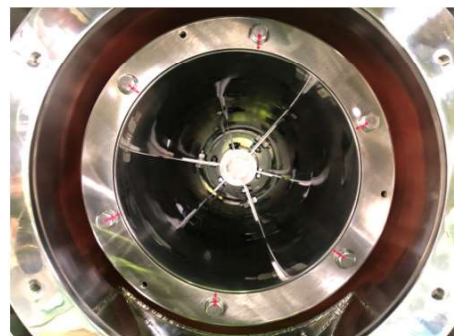
By adding Super Heat Steam, the inside of kiln is keeping less oxygen environment and the heat treatment is conducted under anti-oxidizing effect, and also safety from fire accident by oil mist.

【Features】

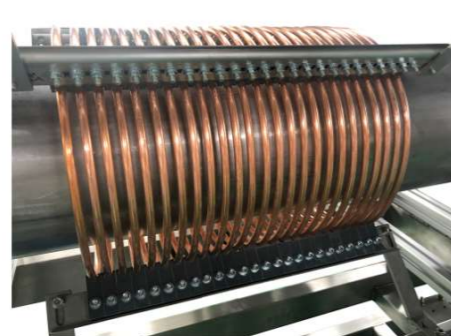
- By comparison with gas firing, Induction Heating is doing easy and accurate temperature control.
- Due to High Heating Efficiency such as more than 90%, the working environmental is keeping good conditions by less heating exhaust and it is possible to reduce air conditioning power.
- No firing and no possibility of incomplete combustion. Less possibility of fire accidents.
Safe and easy for operators and environmental friendly machine by zero emission of CO2.



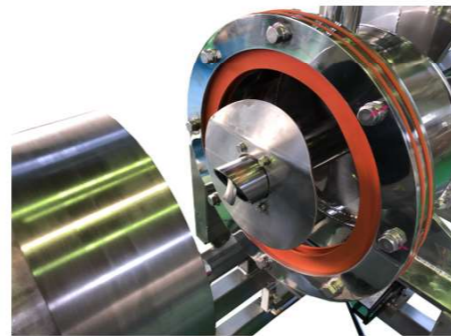
By combination of heating time, heating temperature, kiln rotating speed, the product quantity and quality is easy control for heating purpose such as sterilizing, roasting, drying and others.



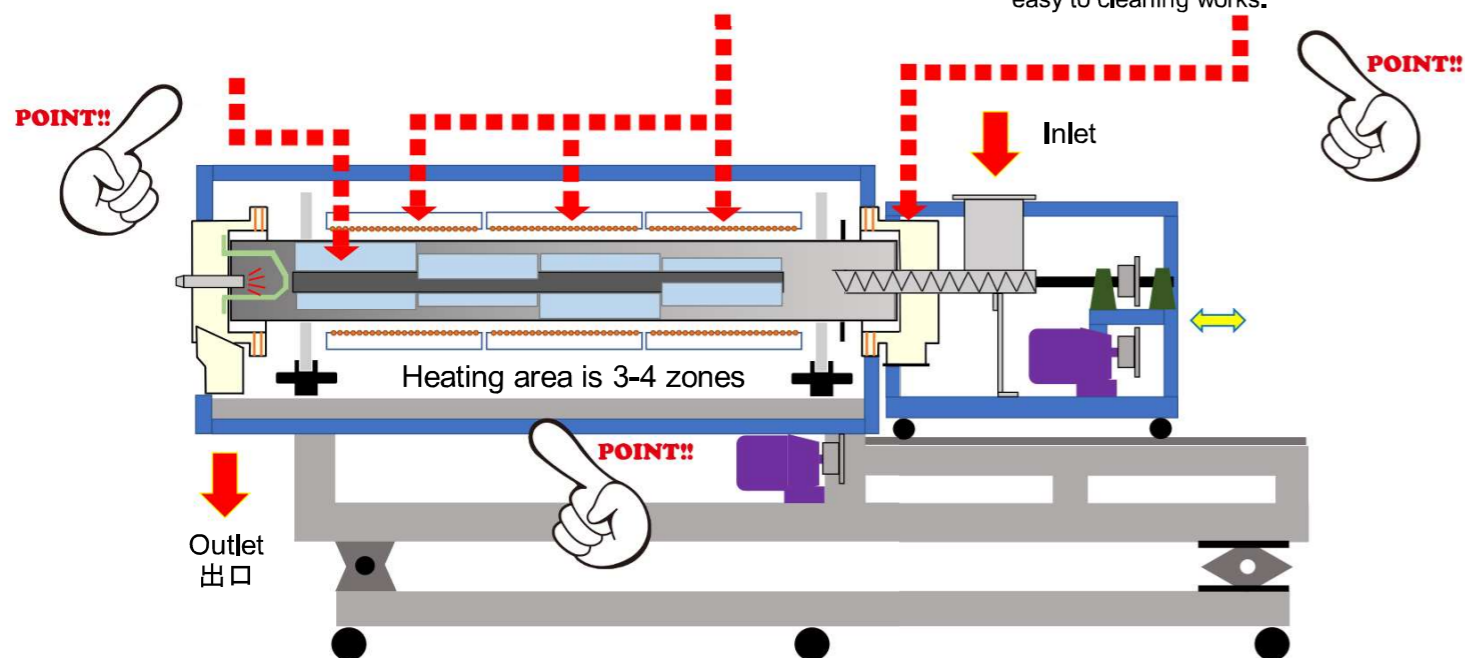
Several sections baffle are installed inside of kiln drum and each baffles are shifted in order to uniform heating and mixing.



By 3~4 zones heating control, it is possible to fine temperature controlling even 1 degree C.



The capacity of Screw Feeder is 120 kg/h (by sesame seeds). The Feeder section is to be separated from Kiln Drum and it is easy to cleaning works.



【Coffee Beans Sterilizing & Roasting】

Roasting Degree	Roasting Step	Roasting Time	Flavor	Difficulty
Light	Light Roasting	Short ↓ ↓ ↓ ↓ ↓ Long	Acidity ↓ ↓ ↓ ↓ ↓ Bitter	Difficult ↑ ↑ ↑ ↑ ↑ Easy
	Cinnamon Roasting			
Medium	Medium Roasting			
	High Roasting			
Deep	City Roasting			
	Full City Roasting			
Extra Deep	French Roasting			
	Italian Roasting			



【Sesame Seeds Sterilizing & Roasting】

	Deep Roasting	Light Roasting
Roasting Method	High Temp. & Deep	Low Temp. & long time
Color	Deep Brown	Light Golden Brown
Flavor	Fragrant	Natural
Temperature	more than 200 °C	160~200°C



【Nuts Sterilizing, Drying & Roasting】

Cashew Nuts, Walnuts, Peanuts, Almond, Pistachio and other Nuts



【Tea Leaves Sterilizing, Drying & Roasting】

Sterilizing for Tea Leaves and Roasting for fragrant flavor. Hojicha-Tea, Oolong Tea, Du Zhong Tea, Pu'er Tea and others

