

CAR BOTTOM FURNACES

J.L. Becker Car Bottom Furnaces are capable of achieving numerous metallurgical processes, including annealing, normalizing, quenching, spheroidize annealing, stress relief and tempering. They can accommodate various heating types with a temperature range of 300-2200°F (149-1204°C) and a load capacity up to 100,000 lbs under atmosphere or air.

FEATURES

Heating: Gas or Electric
 Temp Range: 300-2200°F (149-1204°C)
 Insulation: Fiber, Brick or Castable
 Load Capacity: Up to 100,000 lbs
 Atmospheres: Nitrogen, Methanol, Endo Gas, Natural Gas, Ammonia or Air

EQUIPMENT CUSTOMIZATION

- PLC Control
- Recirculating Fans
- Computer Management System
- Variable Load Sizes and Capacities
- Manual or Automatic Load Systems
- Dual Car Loading Capability

STANDARD SIZES

Max Load (lbs)	Width (ft)	Length (ft)	Height (ft)
10,000	8	16	6
20,000	8	20	6
40,000	12	30	8
60,000	12	30	10

Custom-engineered sizes are also available upon request.



	Sinterite	C.I. Hayes	J.L. Becker
Continuous Belt Furnaces			
Sintering Furnaces	A	A	A
Brazing Furnaces	A	A	A
Steam Treat Furnaces	A		A
Annealing Furnaces	A	A	A
Normalizing			A
Stress Relief Furnaces			A
Tempering Furnaces	A		A
Mesh Belt Furnaces			A
Solid Belt Furnaces	A		
Humpback Conveyor Furnaces	A	A	A
Other Continuous Furnaces			
Pusher Furnaces (2000°-3000° F)	A	A	
Pusher Furnaces (below 2000° F)			A
Roller Hearth			A
Walking Beam		A	
Vacuum Furnaces			
Continuous & Modular		V	
Batch		V	
Integral, Gas, Pressure & Oil Quench		V	
Batch Furnaces			
Sintering Furnaces	A	V	
Carburizing Furnaces		V	
Normalizing Furnaces			A
Spheroidize Annealing Furnaces			A
Stress Relieving Furnaces			A
Brazing Furnaces	A	V	A
Annealing Furnaces	A	V	A
Tempering Furnaces	A	V	A
Box & Slot Furnaces (above 2000° F)			A
Steam Treat Furnaces	A		
Bell (Carbon) Furnaces	A		
Quenching Furnaces			A
Tip-Up Furnaces			A
Tempering Pit Furnaces			A
Carburizing Pit Furnaces			A
Nitriding Pit Furnaces			A
Car Bottom Furnaces			A
Tool Room Furnaces	A	V	
Atmosphere Generators			
Exothermic Gas up to 3000 CFH		A	A
Exothermic Gas up to 20000 CFH			A
Endothermic Gas up to 12000 CFH			A
Ammonia Dissociators up to 10000 CFH		A	A
Atmosphere Dryers		A	
Quench Systems		V	A
Parts Washers			•
Charge Cars	•		•
Fabrications	•		•
Automation	•		
Vacuum Impregnators	•		
Accelerated Delubrication Units	•		
Sinter Hardening/Accelerated Cooling Units	•		
Powder Handling Equipment	•		
Powder Blenders	•		
500# Barrel Dumpers	•		
Bulk Pack Inverters	•		
Powder Bag Hangers	•		
Furnace Load/Unloaders	•	•	•
Rebuild Services	•	•	•
Spare Parts	•	•	•
Training	•	•	•
Field Service	•	•	•

KEY
 A: Atmosphere
 V: Vacuum