



 **NUTEC  
BICKLEY**  
ENGINEERED THERMAL SOLUTIONS



**WALKING BEAM  
FURNACE**

Nutec Bickley's Car Bottom Furnaces are an ideal solution for preheating and heat treating of large parts in the Metal Industry



<b>Industries:</b>	
	Forging, Stress relieving, Tube, Rod, Wire and other Metal Heat treating applications.
<b>Furnace Performance:</b>	
Temperature range:	Best Temperatures up to 2,460°F (1,350°C).
Fuel consumption:	Best in Industry; dependent on cycle and setting loads
Temperature uniformity:	Meets all industry standards.
<b>General Dimensions:</b>	
Effective zone:	To customer specifications.
<b>Main Specifications:</b>	
Furnace Lining:	Fiber-lined sections using the Jointless® system with a special design to compensate for fiber shrinkage, considerably reducing maintenance.
Door Type:	Depends on application.
Parts Moving structure:	Customized walking beams alloy designs according with size and shape of product, or Walking hearth beams with heavy duty precast refractory designs with high resistance.
<b>Technology:</b>	
Combustion System:	Integrated Multizone Pulsing System (IMPS®) with variable excess air.
	Fuel only/Proportional, Recuperative Burners.
Oscillating Mechanism:	Hydraulic powered systems.
Pressure control:	High Temperature louver type proportional dampers.
Firing configuration:	Over and Under the Load, convection, Indirect fired, etc.
	Indirect fired, etc.
Control system (PLC):	Any brand on request.
Number of control zones:	Curve dependent.
Supervisory Control and Data Acquisition (SCADA):	Any brand on request.
Heat Recovery Systems:	Advanced heat recovery system that saves energy compared to a cold air system.
Conveyors:	Transfer, return and other external conveyors available.

For more information please contact:

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