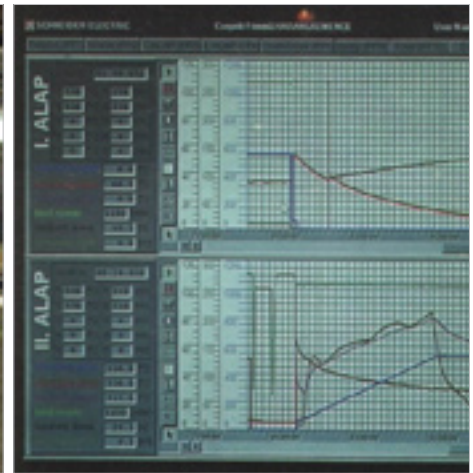
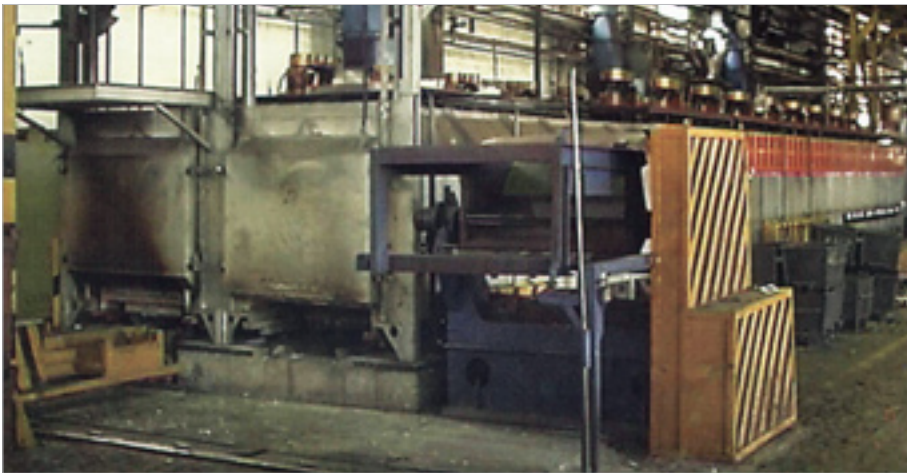


TUNNEL OVEN FOR ANNEALING BEARING RINGS



REVIEW

Heating Method:	Electric resistance heating
Chamber Dimensions (mm):	800 x 800 x 25.000
Max. Operating Temp.:	950 °C
Thermal Insulation:	ceramic fibres combined with fireclay lining
Controls:	PLC, industrial PC, with an automatic cycle
Data Logging:	Industrial computer with comprehensive data logging
Heat Treatment Process:	annealing bearing rings after forging
Description:	This is a directly heated tunnel oven that is designed for continuous operation and cars (i.e. a car bottom) of a high load capacity to move the charge through 5 heating zones. Each zone has a fan to ensure improved heat transfer. The batches of products are put in baskets to be placed on the cars. The cars are then gradually moved through the different temperature zones from the inlet to the outlet of the oven.
Applications:	Stress-relief annealing of mass-produced parts, machine components and structures made of alloyed and non-alloyed steel.
Buying Criteria:	Dimensions and weight of products, annealing temperature, temperature accuracy requirement, other process parameters (heating-up and cooling times, etc.).
Notes:	The two ovens had to be designed, manufactured and installed in lieu of the client's old ovens, while the existing rails and carriages had to remain in place and be renewed with the same functionality.