

# Wire Annealing Overview

1525



# WIRE ANNEALING OVERVIEW



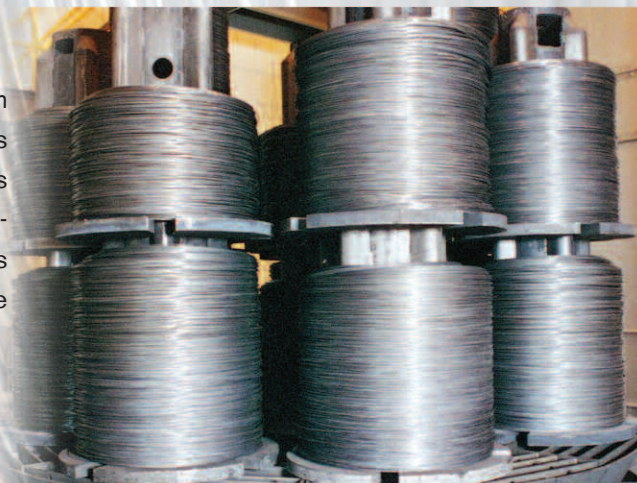
Since 1966, RAD-CON, Inc. has supplied the metals industry with the most technologically advanced bell-type annealing systems available. Focusing on customer support and pioneering innovation, RAD-CON has earned a well-deserved reputation for excellence in the field of Cold-Heading Quality (CHQ) while establishing and maintaining its position as the wire annealing industry leader.



**H<sub>2</sub>SHC™** RAD-CON's 100% Hydrogen Super-High Convection system (H<sub>2</sub>SHC™) is our latest design development, and is once again elevating the industry standard. The 100% hydrogen atmosphere coupled with an unparalleled high-performance convection design gives users greater end-product quality with a superior finish at an incredibly efficient utility usage.



**AC/APEX™** The patented RAD-CON AC/APEX™ system adds another level of process optimization. Combining gas stream analysis with closed-loop process control results in a clean, decarb-free charge every cycle.



**CHQ** Cold-Heading Quality is the most demanding application for wire annealing, requiring uniformity of temperature and atmosphere to produce consistent properties in the wire. RAD-CON's H<sub>2</sub>SHC™ with AC/APEX™ system assures complete spheroidization, protection against decarburization, and the consistent material properties necessary for CHQ.

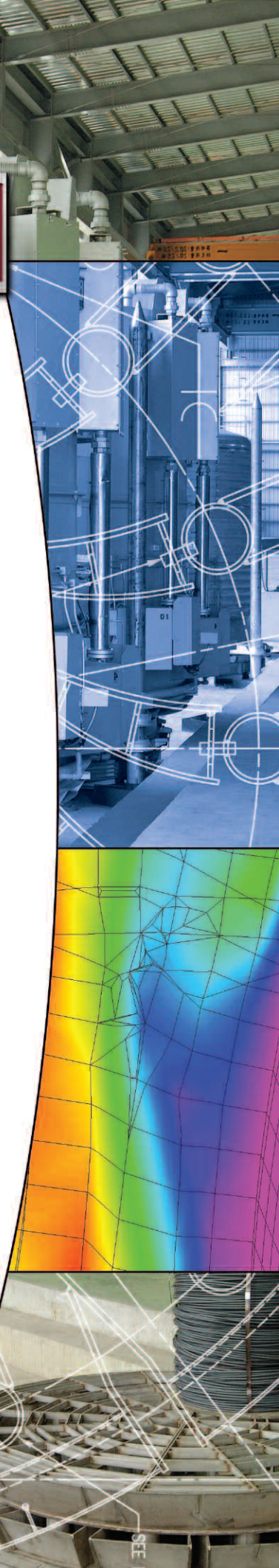


**Support** RAD-CON's team of mechanical engineers, electrical engineers, metallurgists, and software developers support you in every facet of the annealing facility project. From technical supervision during project conception to ongoing facility support in the subsequent years of ownership, RAD-CON is committed to helping you optimize your process so you achieve maximum profit potential.



## Wire Industries Served:

- Fastener
- Automotive
- Construction
- Industrial
- Bearing
- Agricultural
- Cable



**International RAD-CON** works with local partners to implement annealing technology throughout the world. With facilities operating globally, including Canada, China, India, Latin America, Mexico, Taiwan, the United States, and others, RAD-CON has extensive international experience. Today's high-speed internet enables RAD-CON to provide direct support from its headquarters to customers throughout the world.



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