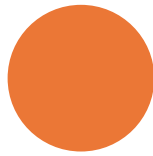




**RADYNE**

## **Wire and Cable Processing Technology**

For more information, call +44 (0) 1256 353533 or visit [www.inductotherm-hwt.co.uk](http://www.inductotherm-hwt.co.uk)



# RADYNE



A division of the internationally-based Inductotherm Group of companies – and as global specialists in the design, development, manufacture and installation of superior induction heating technology – Radyne has been providing the wire and cable industries with innovative induction heating solutions for over fifty years.



# Wire & Cable

Committed to promoting the very real benefits of induction heating technology, across a whole range of wire and cable process requirements, Radyne offers a total spectrum of application solutions that are widely acknowledged as providing the “industry standard”.

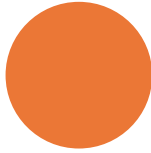
The versatility of Radyne solutions, combined with the considerable experience of our engineers, means that there are quite literally hundreds of Radyne systems in operation worldwide.

With the capability to meet the requirements of virtually any application, Radyne has considerable experience in working with other specialist partners to ensure that appropriate solutions are available, no-matter how demanding the process.

Radyne has many application specific solutions, including those for rod preparation and drawing, spring steel hardening and tempering, PSC wire and strand and ferrous / non-ferrous annealing systems.







# RADYNE

Whether the requirement is for a comprehensive “turnkey” system, an upgrade, or addition to an existing process, Radyne offers the ability to improve your heat treatment process, thus providing long term benefits and cost savings.



## World Class Solutions

Indeed, from our world-famous HiBond® process for the hardening and tempering of deformed bar for reinforcing concrete structures, to Radyne high-speed spring-wire heat treatment solutions and from low-relaxation, tyre cord diffusion to multi-wire heating and induction annealing, Radyne offers the advantage of improved treated quality and component reliability.

With thousands of Radyne induction heating solutions in operation worldwide, performing a huge variety of processes, including non-ferrous and stainless steel applications, you can count on Radyne to provide the precise solution you need.

Delivering Successful Results Through Local and Global Partnerships

## Mechanical Systems



## Spring Wire



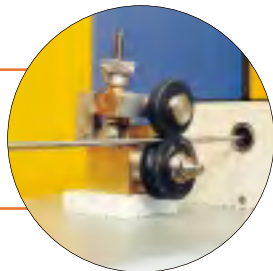
## Power Sources



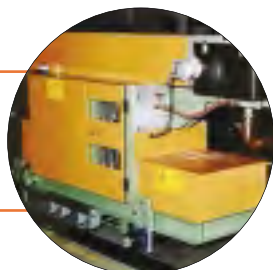
## In-Line Annealing



## Rod Preparation



## PSC Wire & Strand



### Spring Wire

With standard lines ranging from 1 - 3 tonnes per hour, covering diameters from 2 - 18mm, Radyne has solutions to cover all requirements.

### Tyre Cord Diffusion

Embraced by leading tyre producers, Radyne induction heating technology can be found at the heart of the tyre cord diffusion process.

### Annealing

The ability to anneal in-line, on today's high speed drawing and rolling lines makes the Radyne annealing system a preferred choice for low cost manufacturing requirements.

### HiBond®

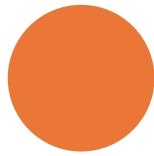
With over 30 lines producing HiBond® deformed pre-stressed material for global building projects, Radyne systems are seen as setting the industry standard.

### PSC Low Relaxation

The static and mobile versions of Radyne's pre-stressed concrete low relaxation heating system offers an integrated solution that can be easily incorporated in new and existing lines.

### Indirect Induction

For the heating of small diameter non-ferrous materials, Radyne offers a range of high-speed efficient pre-heaters and annealers.



# RADYNE

Following on from the global success of Radyne's HiBond® heat treatment process, and the result of new technology, Radyne spring wire heat treatment lines have been designed to provide a modern, energy-efficient alternative for the production of high quality greater tensile strength spring wire.

## Harden & Temper Process Wire Lines

### High-Speed

Lines run at speeds of up to 180 metres per minute / 3 tonnes per hour, for the production of wire diameters from 2mm to 18mm and above.

### Non-Polluting Technology

With environmentally-friendly quench mediums and non-polluting induction heating technology, Radyne provides the sensible approach.

### Industry Standard

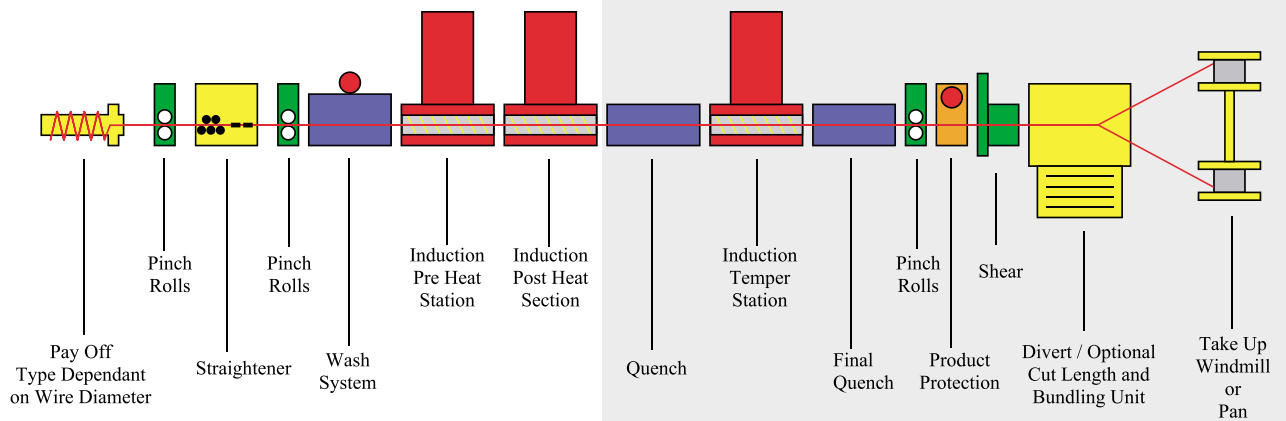
Based upon Radyne's globally acclaimed non-polluting induction heating technology, wire is produced to international standards including: SRS 60, 9254, 55CrSiV, DIN 17223, JisG 3560 and ASTM 416.

- No oil quench
- No combustible fuels
- Enhanced operator environment
- Energy-efficient technology

Delivering Successful Results Through Local and Global Partnerships



# The Radyne Continuous Heat Treatment Wire Line



## Multi-Wire Furnace Technology

For those processes and applications where single wire treatment is not enough, Radyne can offer a multi-wire solution tailored to your application, regardless of whether it involves two, or as many as forty wires.

### Applications include:

- Pre-heating
- Diffusion
- Annealing
- Tempering
- Wire coating



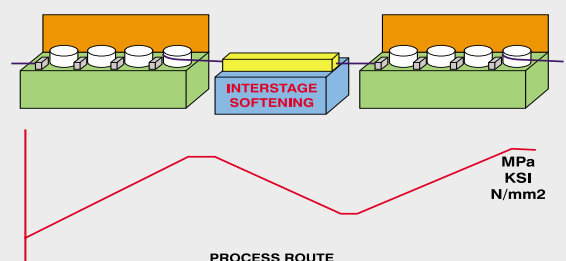
### PSC Low Relaxation Wire & Strand

Continuous induction stress relieving of single wire or 3-wire, 7-wire and 19-wire strand for applications in low relaxation, pre-stressed concrete structures.



### Single Wire In-line Annealing

In-line annealing at drawing and rolling speeds allows manufacturers to process wire to size with inter-stage or final anneal without the wire having to go offline.





For more information on how Radyne Products can assist you in making a superior cost effective product, please contact us at

**Inductotherm Heating & Welding Technologies Ltd.**  
Thermatool House, Crockford Lane, Basingstoke RG24 8NA

Tel: +44 (0)1256 335 533 Fax: +44 (0)1256 467 224  
E-mail: [info@ihwtech.co.uk](mailto:info@ihwtech.co.uk) [www.inductotherm-hwt.co.uk](http://www.inductotherm-hwt.co.uk)



**INDUCTOTHERM<sup>®</sup>**  
**GROUP**

Leading Manufacturers of Melting, Thermal Processing &  
Production Systems for the Metals & Materials Industry Worldwide.