

# Radyne Corporation

Everything you need under one roof; design,  
manufacturing, service and support



**RADYNE**

*An Inductotherm Group Company*



Your global source  
for reliable and  
flexible induction  
heating equipment.

Since our beginnings in 1946, Radyne has established itself as a leading manufacturer and pioneer in the development, manufacture and support of induction and controlled atmosphere heating equipment.

From induction power supplies to full-turnkey induction heating machines and processing lines for almost every industry sector, we provide our customers with industry expertise, process engineering, inductor design and development, power supply and machine design, manufacturing, testing, and 24/7 service and support. All this under one roof at our Milwaukee Headquarters and throughout our participating Inductotherm Group Companies worldwide.

# Radyne and Inductotherm Group

Headquartered in Milwaukee, Wisconsin, we carry out the Inductotherm Group “Global yet Local” philosophy by maintaining strong process, design, manufacturing and support engineering teams. These teams work with our participating Inductotherm Group partners around the world to support local manufacturing, service and support of Radyne Brand Induction Heating Equipment. As part of the Inductotherm Group, Radyne offers its customers unique access to a strong global network of manufacturing and service facilities, along with a full range of engineering, installation and repair services.

Bringing together 40 companies with 38 manufacturing facilities located in 19 countries, Inductotherm Group offers advanced technology for the engineering, manufacturing and service of thermal processing equipment used in the melting, heating, heat treating, forging, galvanizing, coating, cutting and welding of metals.

Independently, we are experts in our respective disciplines—from melting and heat-treating equipment, to vacuum refining and welding systems. Collectively, however, we combine our individual strengths, shared knowledge, products and international footprint to deliver unmatched innovations and unparalleled customer support.

## **Our Products & Services:**

- Induction Equipment
- Induction Coils
- Induction Process Engineering
- 24/7 Support & Service



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# Induction Applications

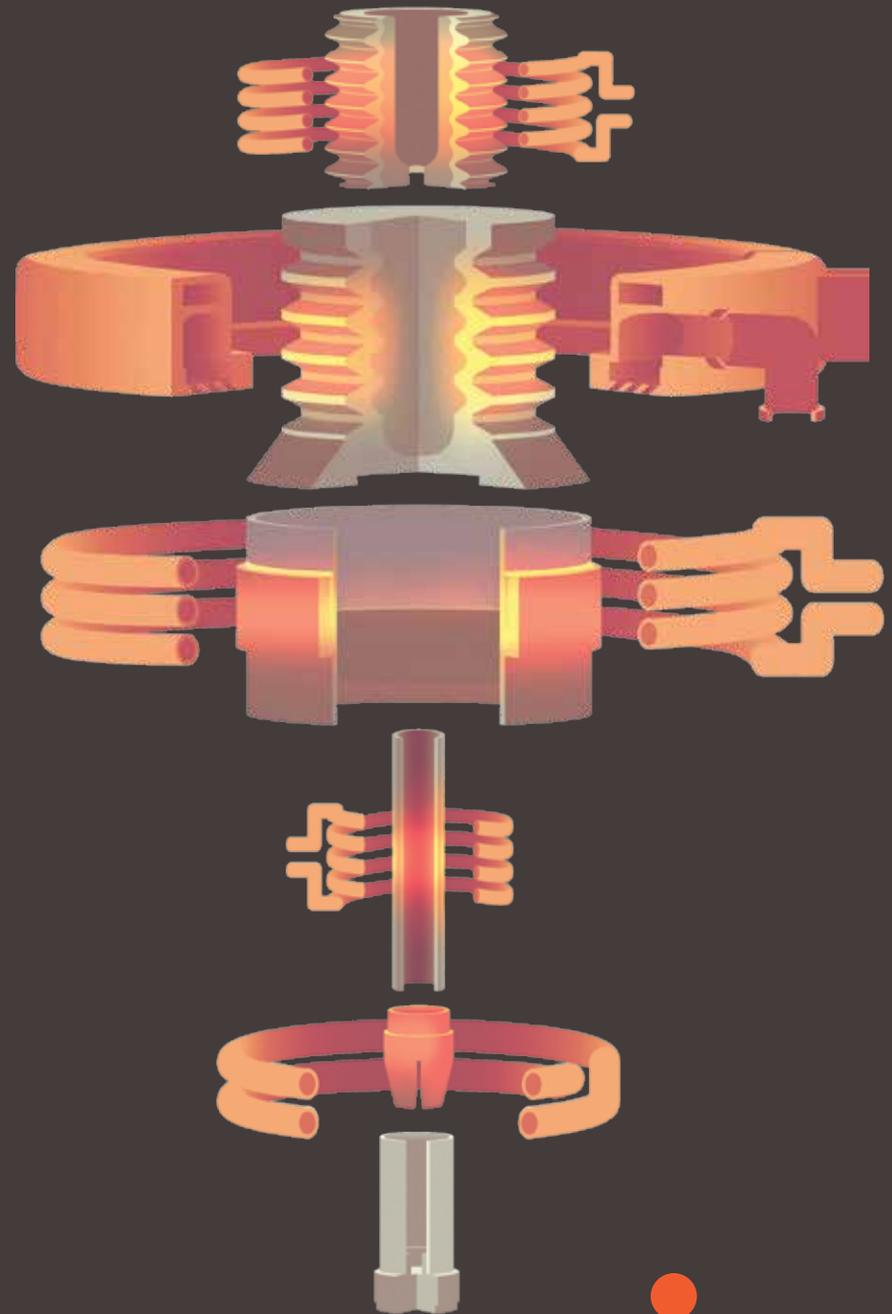
Radyne covers a broad range of applications with ever increasing precision and complexity. Radyne is on the forefront of development of the latest induction processes associated with many new materials; supporting the latest manufacturing techniques and tolerances needed by the worlds' most advanced component manufacturers.

We offer manual, semi, or fully automated standardized machines for a wide variety of induction heating applications along with optional custom engineered equipment tailored to move parts seamlessly in your production environment.

Our Induction Process Engineering Center (IPEC) maintains metallurgical laboratory facilities, advanced magnetic/thermal modeling and simulation and a wide selection of state-of-the-art equipment for use in demonstrating the feasibility of our induction processes on customer supplied parts. This service is available for small and medium sized runs in support of pre-production testing and low rate production.

## Applications:

Annealing	Pipe Coating
Billet Heating for Extrusion	Pipe Heating
Brazing	Sintering
Chemical Vapor Deposition	Soldering
Coating	Stress Relieving
Crystal Growing	Susceptor Heating
Curing of Composite Materials	Temper/Draw
Hardening	Tempering
Heat Shrinking	Tube Processing
Melting	Wire/Rod/Cable Processing
Manufacture of Fiber Optics	



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# Product Design, Development & Manufacturing

Successful induction heating depends on the design and quality of the Machine base, material handling, induction power supply, inductor, quench, atmosphere containment and part tooling. Radyne's experience in research and development across a vast spectrum of applications arms us with the essential knowledge that allows us to rapidly and efficiently deliver superior induction processes.

Our dynamic team is driven to continuously innovate to improve both durability and efficiency of our products and components for superior operating results.

Our engineering teams include specialists in electromagnetics, thermodynamics, fluid dynamics, electrical engineering, power electronics and controls, mechanical engineering, metallurgy, and machine design.

They are backed up by a large spare parts and raw material inventory to support rapid delivery, integrated manufacturing facilities with CNC machining, brazing, metal fabrication, electrical and mechanical assembly, and testing.

# After-market Service & Support

We are committed to the success of our customers, and that means minimizing downtime. Our service engineers are available 24/7 for maintenance and support services no matter where the equipment was purchased.

Radyne boasts an industry leading team of field service engineers. From maintenance and support through to equipment training, we offer a range of services to maximize our customer's up time.

**Services include:**

- 24/7 Maintenance & Support
- Technical On-Site Support & Field Service
- Service Parts
- Equipment Recertification & Refurbishment
- Equipment Training
- Installation and Startup
- Induction Process and Technology Training

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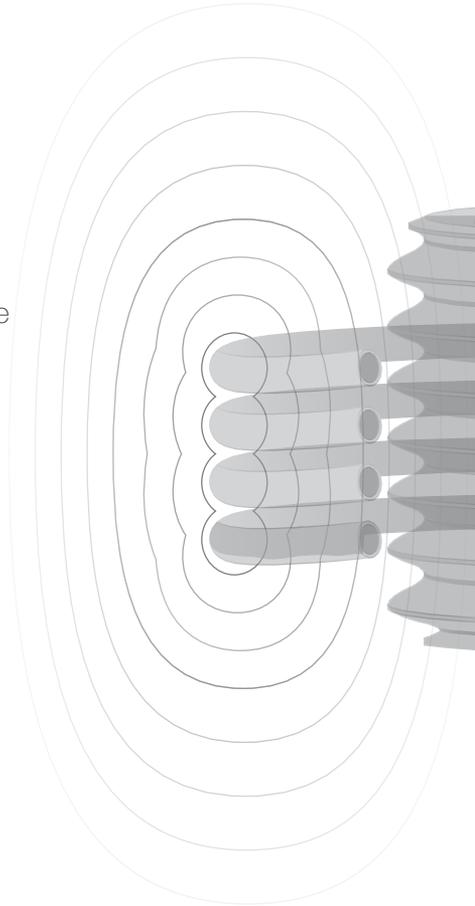
## Committed to Your Success

We believe in building strong relationships.

Founded in 1946, Radyne has developed unequalled skill and facilities in the field of Induction Heating.

Our products and processes offer a winning combination of innovative technology and custom automation. We employ years of experience to deliver the exacting results you demand, and stand behind all of our high-quality equipment with outstanding customer service and support.

As a proud member of the Inductotherm Group of 40 companies located worldwide, Radyne has established a strong global network of manufacturing and service facilities, along with access to a full range of engineering, installation and repair services that are always available wherever your business is located.



Leading manufacturers of melting, thermal processing and production systems for the metals and materials industry worldwide.