

Induction Firearm and Ammunition Systems

Cartridge Annealing
Lead Bonding
Projectile Forming
Hardening and Tempering



RADYNE

An Inductotherm Group Company

The technology of choice for consistent quality



Induction heating technology is the ideal choice for the manufacture of firearms and ammunition. This is because induction allows for extremely precise heating profiles needed to achieve the accuracy demanded by today's market.

Radyne induction heating technology is versatile and efficient. It is suitable for processes such as annealing brass cartridges, lead bonding, projectile heating, hardening and tempering of firearm components, and more. Our systems are highly accurate, making them capable of forming quality ammunition with specialized fragmentation patterns, specific penetration characteristics, and precise annealing profiles.

Radyne Induction Heating Systems are trusted by top munitions manufacturers from around the world to make firearms and ammunition for law enforcement, military, recreation, competition, and enthusiasts around the world.

Small Caliber Cartridge Annealing System



Scan to learn more!



Radyne Cartridge Annealing Systems use a continuously fed indexing system designed to anneal ammunition casings with extreme precision. Integrated quality control systems provide for precise annealing profiles. Cartridge Annealing Systems with single or dual feed streams are available based on your production rate needs.

Radyne Cartridge Annealing Systems consist of a part loading mechanism, vibratory bowl feeder, cam driven escapement, continuous feed dial indexer, and optional gas quench. Radyne systems are capable of annealing a variety of small caliber casing sizes. Production rates range from 110 – 240 parts per minute.

Cartridge Annealing System 110

Cartridge Annealing System 320

Speed	Up to 110 cartridges per minute	Up to 240 cartridges per minute
Part Size:	4.6 mm - 7.6 mm	4.6 mm - 7.6 mm
Dimensions:	60W x 72D x 108H in [152W x 182D x 274H cm]	223W x 141D x 142H in [566W x 358D x 360H cm]

Large Caliber Cartridge Annealing System



Radyne Large Caliber Ammunition Annealing Systems are designed for the largest ammunition casings on the market today. These systems are able to anneal two 30mm-105mm casings at once and are compatible with brass, steel, and most alloys.

These systems can be optioned with gas quench, and our quality assurance system with pyrometer in order to ensure quality standards are being met.



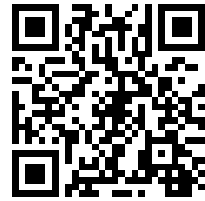
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Speed:	Up to 6 cartridges per minute
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Cartridge Size:	30 mm - 105 mm
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Radyne is your one stop shop for firearm component heat-treating systems and processes. Our selection of turn-key scanners and pop-up systems are able to quickly and efficiently harden and temper your components right within your existing production line. These systems can be programmed for extremely precise hardening profiles which allows for localized hardening of components on high-wear surfaces. Pictured above is our Flexscan™ 12 pop-up scanner fitted with our optional Quality Assurance System. The QAS uses up to six different sensors to monitor each heat cycle and detect faults on the fly. Radyne equipment is the idea choice for companies looking to bring their heat-treating processes in-house.



Scan to learn more!

Firearm Component Heat-treating



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.