

About Induction Innovations, Inc.



Induction Innovations® is a family-owned and operated manufacturer of high-performance induction heaters. Founded by a Collision Repair Technician, we are the original inventors of the handheld induction heating tools and equipment for the automotive aftermarket industry. All our Mini-Ductor® and Inductor® products and accessories are Made in the USA.

Do it Better – Do it Faster – Do it Safer and Greener!

Using high-frequency magnetic fields, our flameless heating tools have been designed to solve problems, saving time and money. Easily remove adhesives bonded to metal, fasteners bonded with thread lock compound, seized or corroded parts, auto glass, body moldings, spray-on bedliners, graphics and more. Salvage automotive parts in record time by as much as 75% while eliminating the need for expensive toxic solvents. Using an open flamed torch to remove parts can be dangerous – open flames areunreliable, can be time consuming to work with and can cause damage to the area surrounding the part, which all affect the productivity of your business, your profits, and the safety of employees. Heat where you need it when you need it! Induction heating tools are changing the way the automotive, auto recycling, marine, construction, and agriculture industries are approaching equipment repair. More technicians are turning to induction heating tools because it provides them with precise, safe, and reliable heat.

To learn more about Induction Innovations' product development or to find a Distributor near you please visit our website at www.theinductor.com

Induction Heat vs. Torch

What is Induction Heating and How Does it Work?

Induction heating offers a combination of speed, consistency, and control by using invisible flameless heat that is transferred to a product using High-Frequency Magnetic Fields, otherwise known as 'Induction Heat.' The magnetic field is induced into the workload (part to be heated) via a work coil (applicator). The work coil itself does not get hot. The work coil serves as the transfer primary, and the part to be heated (workload) becomes a short circuit secondary. When a metal part is placed within the induction coil's magnetic field, circulating eddy currents are induced within the part. These eddy currents flow against the electrical resistivity of the metal, generating precise and localized heat without any direct contact between the part and the coil.

06

PRECISE

Induction heat, is controlled, precise and entire part. A torch can lead to inconsistent

COST SAVINGS

01

- > Heating just the magnetic metal allows users to salvage parts normally discarded.
 - Lower consumable costs by reducing/ eliminating gas expenses.

05

REDUCES INSURANCE COSTS

> Insurance premiums are 10-30% less (depending on use and insurance company).

BENEFITS OF INDUCTION HEAT VS.

OXY-ACETYLENE

SAFE & RELIABLE

02

- Induction heat uses Invisible Heat® created by high frequency magnetic fields, without the dangers of open flame.
- > Enhanced workplace safety.

INCREASES PRODUCTIVITY

REDUCES COLLATERAL DAMAGE

- > Induction heat is localized on the specific part, rather than the surrounding area.
- Invisible Heat* keeps any plastics, wiring, fuel and trim from catching on fire.

Industries Served



Automotive/Body Shops/Paintless Dent Repair

Our induction tools were designed by a body shop technician for body shop technician needs, which is the core business of Induction Innovations. Tools like the Mini-Ductor Venom or Inductor Pro-Max are useful in reducing repair time and increasing the quality of those repairs, which results in happy customers and stress-free techs.

Products Used: Mini-Ductor®, Inductor® or ALFe® Product Lines



Auto Recyclers

It's no secret that induction heating increases productivity by quickly removing windshields, quarter glass, glass panels, and other vehicle windows without causing breakage. In the salvage industry, it is vital to get repairs done quickly while avoiding damage to recovered parts. Increase your auto part recycling capacity by using the Inductor Series Glass Blaster®, which removes windshields from outside the vehicle in less than 15 minutes.

Products Used: Inductor® or ALFe® Product Lines



Agriculture

The agricultural industry has created incredibly efficient processes and systems to drive high outputs thanks to advanced technology. This reliance on heavy machinery may leave farmers vulnerable in instances of machinery breakage or failure, causing them to be financially exposed until they can repair or replace vital equipment. Under extreme pressure to minimize equipment downtime and maximize production efficiency, farmers must have strategies for quick repairs that won't jeopardize their substantial investment in their equipment.

Products Used: Mini-Ductor® or Inductor® Product Line



Heavy-Duty/Trucking

Torches are commonly used to remove the many rusted or otherwise seized nuts, bolts and bearings found on heavy-duty equipment. However, using an open flame can be dangerous given build-ups of dust and other flammable material. Using an induction heater to replace most torch use is increasingly accepted by technicians as a safer and faster way to repair heavy-duty equipment, especially with the Mini-Ductor from Induction Innovations.

Products Used: Mini-Ductor®, Inductor® or ALFe® Product Lines



Construction

When it comes to heavy equipment, construction equipment is the most expensive to repair or replace. There are many causes to machine failure, including thermal and mechanic induced failure. With induction heating, there's no need for expensive downtime to repair heavy equipment. Using our Inductor or Mini-Ductor product line saves time, money and parts.

Products Used: Mini-Ductor®, Inductor® or ALFe® Product Lines



Marine

Just as in the automotive, trucking, and farming industries, boat repair technicians and master dealers are replacing their torches and sprays with the Mini-Ductor product line. A more precise, safer and reliable method for removing corrosive parts.

Products Used: Mini-Ductor® Product Line

Helpful Tips for Mini-Ductor® Series







GOOD COIL



FERROUS



REPEAT IF NEEDED

OVERHEATED



BAD COIL

Repair Information

All Induction Innovations units are repairable. For more information on repairs, visit our website

https://www.theinductor.com/induction-heater-tool-support or e-mail repairs@theinductor.com.

Warranty & Repair Service United States & Canada Induction Innovations, Inc.

INDUCTION INNOVATIONS
PART NUMBER
APPLICATIONS
BEARINGS

BRAKE ANCHOR PINS

DECALS & GRAPHICS

EXHAUST MANIFOLD

BOLTS

LUG NUTS

STRUTS

O2 SENSORS

SEATBELT BOLTS

GEARS

TIE-ROD ENDS

SUSPENSION

HARDWARE

PAINTLESS DENT REPAIR

MD-500

NO

YES

MD-700

YES

MDV-777

YES

MDV-787

YES

Mini-Ductor® VENOM® HP (MDV-787)

The Mini-Ductor® Venom® HP is the fourth generation of the Mini-Ductor handheld induction heater. The Mini-Ductor Venom HP offers more power than any other Mini-Ductor, making the Venom HP the highest-powered Mini-Ductor available. This allows users to heat larger metal fasteners and components faster than ever before.

Part #	MDV-787
Length	14.5"
Width	3.25"
Weight	2.6 lbs.
Amps	15
Voltage	120V
Wattage	up to 1,800W
UPC	850010587127







Features & Contents

Features & Benefits:

- > Ergonomic Pistol Grip Design
- > Easy Coil Twist Lock
- > Fault override delay protects the circuit from poor connections
- > LED usage indicator, Identifies poor connections
- > Fan operation enhancements, operates cooler
- > Heavy Duty 18 AMP/14 AWG Power Cord for Max Power reliability > User manual
- > On/Off LED Light Switch
- > 2-year warranty

- > Mini-Ductor® Venom® HP
- > Carrying case
- > %" Pre-formed Coil (MD99-601)
- > 23" U-form Coil (MD99-602)
- > 41" Bearing Buddy™ Coil (MD99-603)













Features & Contents

Features & Benefits:

- > Ergonomic Pistol Grip Design
- > Easy Coil Twist Lock
- > Fault override delay protects the circuit from poor connections
- > LED usage indicator, Identifies poor connections
- > Fan operation enhancements, operates cooler
- > On/Off LED Light Switch
- > 2-year warranty

- > Mini-Ductor® Venom®
- > Carrying case
- > 1/8" Pre-formed Coil (MD99-601)
- > 23 "U-form Coil (MD99-602)
- > 41" Bearing Buddy™ Coil (MD99-603)
- > User Manual

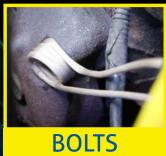
Mini-Ductor® II (MD-700)

The Mini-Ductor II is the second generation of the Mini-Ductor handheld induction heater. The Mini-Ductor II allows users to release corroded or frozen hardware and other metallic components from corrosion or thread lock compounds in seconds, without the collateral damage of an open flame.









Features & Contents

Features & Benefits:

- > Inline Ergonomic Grenade Style Grip
- > Durable Military Grade Plastics
- > LED illumination
- > Push button activation
- > 1-year warranty

Kit Includes:

- > Mini-Ductor® II
- > Carrying case
- > 1/8" Pre-formed Coil (MD99-601)
- > 23" U-form Coil (MD99-602)
- > 41" Bearing Buddy™ Coil (MD99-603)
- > User Manual









Mini-Ductor® 12V (MD-500)

Ideal for roadside repairs or at a customer's premises where regular power supplies aren't available, the Mini-Ductor 12V (MD-500) is completely portable. Working off a 12V battery pack (not included) or almost any 12v power source. The Mini-Ductor 12V can be used for a number of remote applications where rusted, corroded or thread locked parts need to be removed quickly and safely.

Part #	MD-500
Length	14.75"
Width	2.75"
Weight	3.8 lbs.
Amps	70
Voltage	12V
Wattage	up to 840W
UPC	858492005269







Features & Contents

Features & Benefits:

- > Works off 12V battery or 12V jump pack (not included)
- > Inline Ergonomic Grenade Style Grip
- > Durable Military Grade Plastics
- > Thermal Overload Protection
- > Push button activation
- > LED illumination
- > 1-year warranty

Kit Includes:

- > Mini-Ductor® 12V
- > Carrying case
- > 1/8" Pre-formed Coil (MD99-601)
- > 23" U-form Coil (MD99-602)
- > 1" Pre-formed Coil (MD99-610)
- > User Manual









Mini-Ductor® Product Line Accessories



MD99-643

Bearing Buddy™ Pack

Includes two sizes of Bearing Buddy and insulation pad to help protect your coil from the direct heat. (1) ea. MD99-603, MD99-612, MD99-XBB96

MD99-644

Thin Wall Coil Pack

Designed to work in conjunction where thin wall sockets are needed.

(1) ea. MD99-629, MD99-631, MD99-632, MD99-635

MD99-650

Standard Coil Kit

Most Commonly used coils.

(2) ea. MD99-601,

(1) MD99-605, MD99-607, MD99-608, MD99-609, MD99-610, MD99-611

MD99-660

Essential Coil Kit

Most Commonly used coils from the Standard & Long Coil Kits.

(2) ea. MD99-601, MD99-611,

(1) MD99-605, MD99-610, MD99-621, MD99-622

MD99-675

Long Coil Kit

Designed for those hard-to-reach areas and around corners.

(2) ea. MD99-622, MD99-621,

(1) MD99-620, MD99-623, MD99-624, MD99-625

Mini-Ductor® Product Line Accessories



MD99-690

Specialty Coil Kit

Specifically designed for applications that demand more heat coverage and flexibility. Compatible with all Mini-Ductor® Series tools, this kit includes oversized coils that excel at removing larger seized components in heavy duty, agriculture, construction, and more.

Mini-Ductor® Product Line Accessories



Custom Coils Available Upon Request

INDUCTION INNOVATIONS		~
PART NUMBER	GB-20311	

YES

YES

YES

NO

NO

NO

NO

NO

NO

NO

NO

APPLICATIONS

REMOVES ADHESIVE BONDED

WINDOWS

REMOVES ADHESIVE BONDED

SMC PANELS

REMOVES BEDLINERS

LOOSENS NUTS FROM

BOLTS

REMOVES CAULKING FROM

ROOF CHANNELS

PAINTLESS DENT REPAIR

(PDR)

REMOVE BODY SIDE

MOLDINGS

REMOVES PINSTRIPES, VINYL

GRAPHICS AND DECALS

REMOVES WEATHER AND

VAPOR BARRIERS

LOOSENS RUSTED DOOR

HINGES

HEATS FRAME RAILS FOR

STRAIGHTENING

IM-IND2011

YES

YES

YES

YES

YES

YES: WITH THE

CONCENTRATOR OR

OPTIONAL PDR BATON

YES

YES

YES

YES

YES: WITH THE

OPTIONAL ROSEBUD

PM-20000

YES

YES

YES

YES

YES

YES: WITH THE

CONCENTRATOR OR

OPTIONAL PDR BATON

YES

YES

YES

YES

YES: WITH THE

OPTIONAL ROSEBUD

PM-200FL

YES

YES

YES

YES

YES

YES: WITH THE

CONCENTRATOR OR

PDR BATON

YES

YES

YES

YES

YES

Inductor® Max (IM-IND2011)

The Inductor Max offers all the uses and options as the Inductor Pro-Max mounted into a portable toolbox. Using high frequency magnetic fields to generate Invisible Heat® in metallic car parts without the collateral damage of an open flame to nearby parts. Quickly and easily remove vinyl graphics, moldings, auto glass, windshields, mechanical and suspension parts and more.



Part #	IM-IND2011
Length	11"
Width	22.5"
Height	10.3"
Weight	20 lbs.
Amps	20
Voltage	120V
Wattage	up to 2,000W
UPC	858492005665





Features & Contents

Features & Benefits:

- > Portable toolbox, take it where you need it
- > Includes three attachments
- > Option to add additional attachments
- > Fine tuning linear power control
- > Pneumatic foot switch
- > Audible and visual power indicators (Hazard free from moisture, liquids and dust. Allows for better ergonomic control of the handheld attachments)
- > 1-year warranty
- > 1-year warranty on attachments

Industries Served:









- > Power Supply (MXP1)
- > Fast-off® Pad (U-211)
- > Glass Blaster® (U-311)
- > Concentrator (U-411)
- > (2) L-Wedges (L-0810A)
- > User Manual



Features & Contents

Features & Benefits:

- > Portable toolbox, take it where you need it.
- > Option to add additional attachments, ad as your needs grow.
- > Fine tuning linear power control.

Allows users to operate at a rate they feel best meets their need.

- > Audible and visual power indicators.
- > Pneumatic foot pedal control.

Hazard free from moisture, liquids and dust.

- > 1-year warranty on power supply
- > 1-year warranty on attachments

- > Power Supply (MXP1)
- > PDR Baton (U-111)
- > Concentrator (U-411)
- > (2) L-Wedges (L-0810A)
- > User Manual









Pro-Max® Fully Loaded (PM-200FL)

Reduce costs on: Labor, expensive consumable, toxic solvents, and salvage parts normally discarded in the repair process.

The Inductor® Pro-Max-Fully Loaded comes with all the popular attachments to meet your needs. Heavy-duty cart included!

Remove all types of Adhesives, Coatings and Automotive Glass bonded to ferrous metals, as well as seized hardware from corrosion/thread lock compounds, all without the collateral damage of an open flame.

Part #	PM-200FL
Length	18"
Width	12"
Height	11.25"
Weight	27 lbs.
Amps	20
Voltage	120V
Wattage	up to 2,000W
UPC	858492005887







Features & Contents

Features & Benefits:

- > Includes six attachments
- > Fine tuning linear power control. (Allows users to operate at a rate they feel best meets their need)
- > Audible and visual power indicators

(Audible sounds when activated. Visual identifies how well you are coupling with a workload)

> Pneumatic foot switch

(Hazard free from moisture, liquids and dust. Allows for better ergonomic control of the handheld attachments.)

- > 2-year warranty on power supply
- > 1-year warranty on attachments

- > Power Supply (PMP1)
- > PDR Baton (U-111)
- > Fast-off® Pad (U-211)
- > Glass Blaster® (U-311)
- > Concentrator (U-411)
- > Rosebud (U-511)
- > U-555
- > (2) L-Wedges (L-0810A)
- > Standard Coil Kit (MD99-650)
- > Long Coil Kit (MD99-675)
- > Cold Shield (CS-032)
- > User Manual











Features & Contents

Features & Benefits:

- > Includes three attachments
- > Fine tuning linear power control

Allows users to operate at a rate they feel best meets their need

> Audible and visual power indicators

(Audible sounds when activated. Visual identifies how well you are coupling with a workload) > (2) L-Wedges (L-0810A)

- > 2-year warranty on power supply
- > 1-year warranty on attachments

- > Power Supply (PMP1)
- > Fast-off® Pad (U-211)
- > Glass Blaster® (U-311)
- > Concentrator (U-411)
- > User Manual











Inductor® Glass Blaster (GB-20311)

The Inductor Glass Blaster is perfect for removing windshields and other bonded auto glass, SMC panels, metal bond adhesives, undercoating, appliqués, and spray-in bedliners in a fraction of the time it takes using other tools. It can also operate on a 'True Sign Wave Inverter' or a 'Voltage Regulated Generator'.



Part #	GB-20311
Length	13"
Width	24"
Height	13"
Weight	19 lbs.
Amps	20
Voltage	120V
Wattage	up to 2,000W
UPC	858492005665





Features & Contents

Features & Benefits:

- > Portable toolbox
- > Ergonomic gripping
- > Pneumatic foot switch
- > Audible and visual power indicators (Hazard free from moisture, liquids and dust. Allows for better ergonomic control of the handheld attachments)
- > 1-year warranty

- > Inverter mounted in tool box
- > (2) L-Wedges (L-0810A)
- > Glass Blaster®, hardwired (U-311)
- > User Manual









Customize Your Inductor® Kit



U-555 - Needs Max or Pro-Max

Applications:

- > Bearings
- > Pulleys & Gears
- > Bolts
- > 1 Year Warranty



Fast-off Pad (U-211) **Applications:**

- > Side Moldings
- > Pinstriping
- > Adhesives



> 1 Year Warranty

Glass Blaster (U-311)

Applications:

- > Windshields
- > Sunroofs
- > Bedliners



> 1 Year Warranty

Concentrator (U-411)

Applications:

- > Seam Sealers
- > Shock Absorbers
- > Fasterners



Rosebud (U-511)

Applications:

- > Frames
- > Aluminum
- > Stress Relieving > 1 Year Warranty



Paintless Dent Repair (PDR) Baton (U-111)

Applications:

- > Hail Dents
- > Door Dings
- > Soft Dents



> 1 Year Warranty

Place your order through your local tool distributor or visit www.theinductor.com to purchase the power supply as well as the attachments you need for your particular application(s). Please contact 877-688-9633, for questions or additional information.

Inductor® ALFe Product Line



Features & Contents

Features & Benefits:

- > Heats steel and aluminum
- > LED light indicator
- > 9-minute duty cycle
- > Safety shut-off
- > Liquid cooled
- > 1-year warranty

- > Power Supply
- > Fast-off® Pad (AL-211)
- > Glass Blaster® (AL-311)
- > Flow Concentrator (AL-411-01)
- > User Manual
- > Optional: Cart (LXR-11)



Inductor® ALFe® Product Line



Features & Contents

Features & Benefits:

- > Heats steel and aluminum
- > LED light indicator
- > 30-minute duty cycle
- > Safety shut-off
- > Liquid cooled
- > 1-year warranty

- > Fast-off® Pad (AL-211)
- > Glass Blaster® (AL-311)
- > Flow Concentrator (AL-411-01)
- > User manual









