

POWERDUCTION

Induction-Heating Systems

GYS French manufacturer since 1964



INDUCTION Safe heating process

Induction heating is a particularly efficient process for heating a metal's core in only a fraction of a second. Ideal for mechanical engineering, car bodywork or general maintenance work; this method of instantly and precisely transferring heat only works on ferrous materials and has no effect on rubber or plastics. This heating process is completely localised and is considerably safer for the workplace since there is no gas or flames involved.

Releasing, unseizing or removing stuck parts could not be easier. GYS' POWERDUCTION range is based on this very principal and consists of eight products with different power levels depending on the task at hand.



MECHANICS AND MAINTENANCE

- releasing or disassembling:
 - steering rods
 - steering ball joint
 - brake discs
 - brake hoses
 - exhaust manifold flanges
 - exhaust pipes
 - shock absorber nuts
 - thread-locked screws
- heating longerons (except HLE steels)
- releasing bolts

CAR-BODY REPAIR

- removing steel or aluminium parts
- straightening bent chassis (except HLE steel)

INDUSTRY

- annealing metal parts
- heating to bend
- brazing
- pre-heating



Precise

Only the area near the inductor is heated. Targeting a localised area becomes very simple.



Instantaneous

This heat is diffused from the metal's core in only a few seconds. The action happens very quickly.



Secure





This flameless machine allows users to work near heat-sensitive or flammable areas without causing damage. This process is a much safer alternative to the traditional induction-heating torch.

POWERDUCTION 10R Induction Machine

Part No: 062504

Designed and manufactured entirely in France, the POWERDUCTION range includes eight separate products, each designed to carry out multiple tasks. The POWERDUCTION 10R, 37LG, 39LG, 50LG, COMBI 50LG, 110LG, 160LG and 220LG offer distinctly different levels of performance and ergonomics and are ideal for automotive work, HGVs, construction work, car bodywork, general maintenance and industrial workshops. This range of induction-heating machines is designed to solve technical issues faced by professionals and allow them to perform more complex repairs.

THE MULTI-APPLICATION SPIRAL INDUCTOR

- Its uses:**
-  Automotive workshops
 -  Maintenance work
 -  Locksmithing
 -  Steel construction

Its advantages:


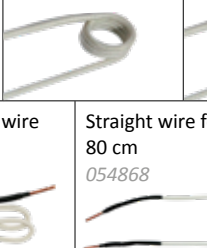
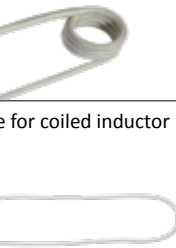


- Compact and very **lightweight (3.5 kg)**
- Easy to transport, it can be carried over the shoulder
- Plugs into any **single-phase** socket
- Quick start: quick to plug in and use
- **1,200 W** of power
- Delivered in its own carry case and supplied with five different inductors, spiral inductors, braided and flexible wires.





Optional Extras
Sticker-removal inductor
066601

An induction-heating appliance equipped with a spiral inductor; the POWERDUCTION 10R is the ideal decoupling tool. With 1,200 W of power it is still both compact and lightweight (3.5 kg) and it comes with a practical strap so that it can be carried over the shoulder. Easy and quick to start up on a single-phase socket, this power source is the perfect tool for all on-site operations.





	Spiral Ø 18 mm 054806		Spiral Ø 24 mm 054790		Spiral Ø 30 mm 055469
	Spoolable braided wire 80 cm 054813			Straight wire for coiled inductor 80 cm 054868	

POWERDUCTION 37LG Liquid Cooled Induction Machine

Part No: 056992

THE PERFECT COMBINATION OF POWER AND MOBILITY



- Its uses:**
-  General repairs
 -  Maintenance work
 -  Automotive workshops
 -  Car-body repair

Its advantages:

- Compact and portable (15 kg)
- Power: **3,700 W that can be set in increments of 250 W**
- Duty cycle at max. power : 7 min
- Delivered with an S90 inductor (ref. 058927)
- **Liquid-cooled** power source (1.5 L)



Optional Extras
UNIVERSAL 800 trolley
051331



Releasing of rusted bolts



Releasing of steering linkage

Weighing in at only 15 kg and powered by single-phase, 230 V power supply, the POWERDUCTION 37LG represents the perfect blend of power and portability. With 3,700 W of power, it is highly recommended for use in general repairs as well as automotive and maintenance workshops.

POWERDUCTION 50LG

Liquid Cooled Induction Machine

Part No: 062504

QUIET POWER



Its uses:



Automotive workshops



Truck workshops



Agricultural & construction workshops



Maintenance work

Its advantages:

- Power: **5,200 W of continuous** power (5,200 W at 100%)
- **Single-phase power** supply with **PROTEC 400** and **PFC technology**
- Power cable: 8 m
- Inductor cable: 3 m (and the length of the machine's arm)
- Delivered with complete C20/B1 inductor (ref. 056862)
- Power lead for **use with a 15 A plug**
- Liquid-cooled power source (7 L)

Capable of continuous, full power heating, the POWERDUCTION 50LG is the most efficient in the single-phase range. Ideal for heavy-duty applications, this device's high power levels also make it well suited for straightening metal structures. Like the 39LG, it is equipped with a PFC (Power Factor Correction) and PROTEC 400 technology. These technologies offer four major advantages; they can be used on 185 - 265 V electrical networks, they are protected against overvoltages up to 400 V, boast energy savings of 30% and can be used on a 25 A / 230 V socket.



POWERDUCTION 160LG

Water Cooled Induction Heating

Part No: 057814

HIGH PERFORMANCE

Its uses:



HGV, agricultural & construction workshops



Shipyards & railways



Maintenance work



Industry

Its advantages:

- **16 kW of continuous** power (16 kW at max. power)
- Works on a **32 A / 400 V or 45 A / 230 V three-phase power outlet**
- Liquid-cooled power source (30 L)
- Power cable: 4 m
- Inductor cable: 6 m (and the length of the machine's motorised arm)
- Easy to transport and use with its removable handle
- Comes with a **pneumatic-control pedal**
- Delivered with an L90 inductor (ref. 059788)



Powered by a 400 V, three-phase supply, the POWERDUCTION 160LG achieves a power of 16 kW. The power output combined with its 30-litre tank and on-board technology ensure an unparalleled performance in industrial environments or during demanding operations. Its sophisticated, user-friendly design includes a motorised arm to support the 6 metres of inductor cable, 4 metres of power cable and a pneumatic-control foot pedal as well as four wheels for perfect stability.

ADAPTATION TO ALL SECTORS



Mechanics and maintenance agricultural, heavy goods vehicles & construction

Sectors: Industry, maritime, railways, maintenance.



