

French manufacturer
since 1964

www.gys.fr



POWERDUCTION

Induction heating systems



INDUCTION

Heating in complete safety



Precise

Heat is focused only on the intended target. Heating specific area becomes very easy.



Instantaneous

Heat the metal in a few seconds. Jobs are done very quickly.

Induction is a particularly efficient process for heating the core of metal extremely quickly. There are many applications: for mechanics, bodywork or general maintenance. This fast and precise heat transfer only acts on ferrous and aluminium components. Therefore it causes no collateral damage to nearby rubbers or plastics. The heat is extremely localized and the absence of flame improves safety in the workplace.

Operations such as unlocking, unblocking or removing recalcitrant parts and elements become very simple. GYS POWERDUCTION range is based on this principle and offers 4 products with power levels adapted to all applications.



MECHANICS AND MAINTENANCE

- Unlocking or dismantling:
 - Steering rods
 - Direction hinges
 - Brake discs
 - Brake hoses
 - Exhaust flanges
 - Exhaust pipes
 - Shock absorber nuts
- Heating of longitudinal members (excluding HLE steels)
- Loosening of bolts

BODYWORK

- Removal of steel or aluminium elements
- Straightening of bent frames (except HLE steel)

INDUSTRY

- Annealing of metal parts
- Heating for bending
- Brazing



Safety

The absence of flame allows the jobs near heat-sensitive or flammable areas without causing damage. Induction offers a much safer alternative to the traditional use of flame.





POWERDUCTION

A RANGE OF 4 MACHINES

Designed and manufactured in France, the POWERDUCTION range includes 4 products invented to meet the requirements of multiple applications and to offer the highest levels of performance and functionality.

POWERDUCTION 37LG, 39LG, 50LG and 160LG are suited to operate in car, truck, construction, bodywork, maintenance and industrial workshops. A range of inductor accessories completes the package ensuring a precise suitability for your specific application.



POWERDUCTION 37LG, the most mobile.



With a weight of only 15 kg and operating from a conventional 230V single-phase power supply the POWERDUCTION 37LG is extremely portable. It offers a power of 3700W and it is particularly recommended for uses in all types of automotive and maintenance workshops.

Specification

- Compact and portable (15 kg)
- Power: 3700 W adjustable in 250 W steps
- Duty factor at max. power : 7 min
- Supplied with 90° inductor (ref. 058927)

Applications



Motorcycle workshop



Automotive workshop



Maintenance



Car body

POWERDUCTION 39LG, the ideal tool for car workshops.

It also has a power of 3700W and comes with a large 7-litre coolant tank which allows the machine to run at full power for an impressive 15 minutes without interruption. To ensure maximum comfort, the POWERDUCTION 39LG is mounted on swivel wheels and equipped with a stem to support its 3m inductor cable.

Specification

- Compact and easily movable in the workshop
- Power: 3700 W adjustable in 250 W steps
- Duty factor at max. power : 15 min
- Power supply with PFC and PROTEC 400 technology
- Inductor cable: 3 m + stem
- Supplied with complete 20° inductor (ref. 056862)
- Maximum power for 230 V socket with 16 A fuse

Applications



Automotive workshop



Truck workshop



Maintenance



Car body





POWERDUCTION 50LG, the quiet power.

Capable of continuous full power heating, the POWERDUCTION 50LG is the most powerful in the single-phase range. Ideal for intensive use, its high power also makes it suitable for straightening metal structures. Like the 39LG, it is equipped with a PFC (Power Factor Correction) and PROTEC 400 power supply. These technologies have 3 major advantages: use on a power grid from 185 V to 265 V, protection against overvoltages up to 400 V, 30% of energy saving, all of that from a 25A / 230V supply.

Specification

- Power: 5200 W continuous (5200 W at 100%)
- Single-phase power supply with PFC and PROTEC 400 technology
- Power cable: 8 m
- Inductor cable: 3 m + stem
- Supplied with complete 20° inductor (ref. 056862)
- Power cord for 16 A plug operation

Applications



Automotive workshop



Truck workshop



Agricultural & Construction Workshops



Maintenance

POWERDUCTION 160LG, high performance.

Powered by 400V three-phase power, the POWERDUCTION 160LG delivers a power of 16 kW. The output power, the 30-litres tank and the on-board technology give it massive performance adapted to industrial environments or to the most demanding applications. It is ergonomic with its stem supporting the 6m inductor cable, 4m power cable, a pneumatic control pedal and 4 wheels to ensure a stable operating base.

Specification

- Power 16 kW continuous (16 kW at max. power)
- 30 L coolant tank
- Power cable: 4 m
- Inductor cable: 6 m + stem
- Supplied with a pneumatic foot pedal for control
- Supplied with 90° inductor (ref. 059788)

Applications



Truck, agricultural & construction workshops



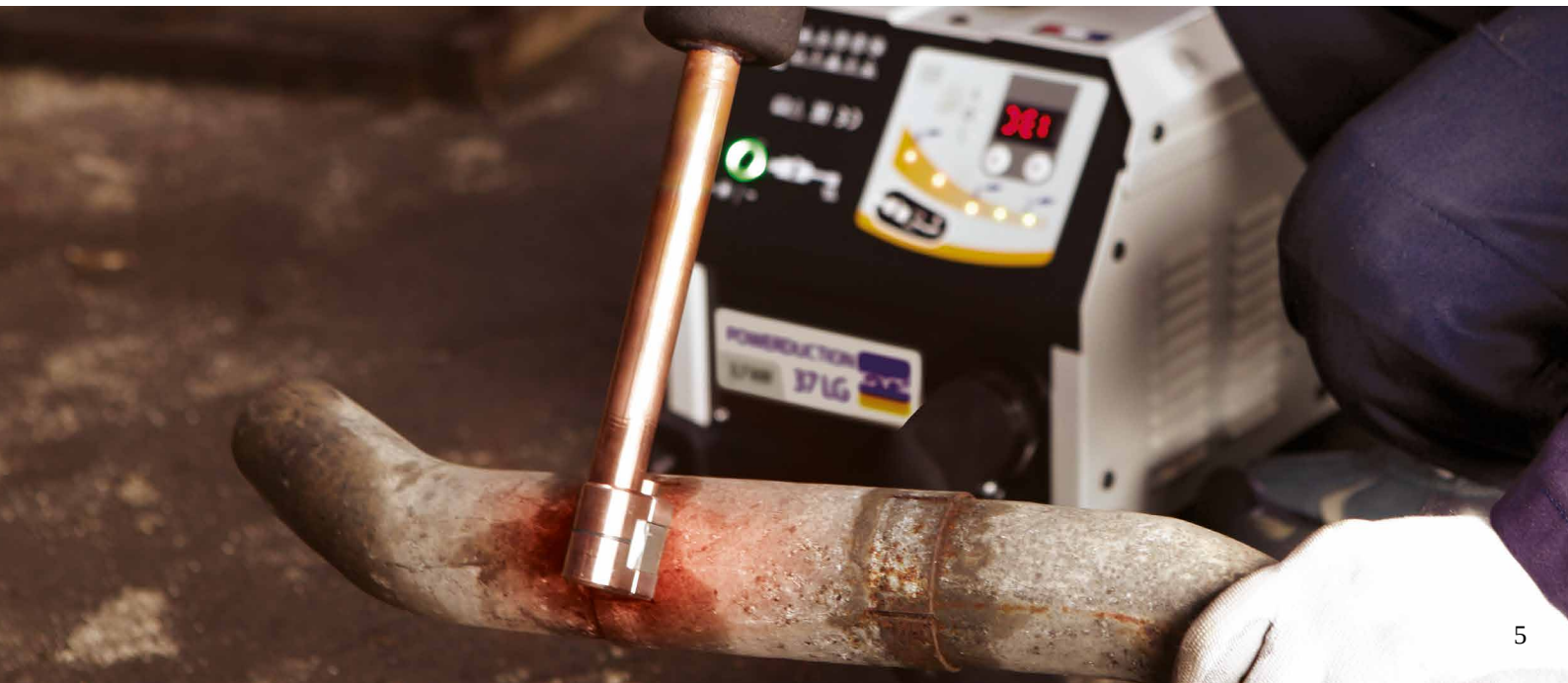
Maritime & Railways



Maintenance



Industry



Range guide POWERDUCTION



37LG
réf. 056992

39LG
réf. 058583

50LG
réf. 055599

160LG
réf. 057814

TECHNICAL DATA

Power supply	230V, 1~, 50/60 Hz	230V, 1~, 50/60 Hz	230V, 1~, 50/60 Hz	400V, 3~, 50/60 Hz
Fuse	16 A	16 A	25 A	32 A
Power	3,7 kW	3,7 kW	5,2 kW	16 kW
Frequency	15 → 30 kHz	30 → 50 kHz	30 → 50 kHz	25 → 40 kHz
Power Factor Correction (PFC)	—	■	■	—
Protec 400 (P400)	—	■	■	—
Cooling liquid	1.5l	7l	7l	30l
Power supply cable	2 m	2 m	8 m + extension 16 A	4 m
Inductor cable	2 m	3 m	3 m	6 m
Dimensions	45 x 28.5 x 25 cm	53 x 70 x 37 cm	59 x 88 x 59 cm	78 x 118 x 58 cm
Weight	15 kg	50 kg	70 kg	150 kg

HEATING CAPACITIES

Nut size		M10 → 1 s	M12 → 1 s	M14 → 1 s	M20 → 1 s
Sheet thickness		2 mm → 5 s	2 mm → 5 s	4 mm → 5 s 2 mm → 3 s	2 mm → 2 s 4 mm → 4 s
Metal rod diameter		∅ 10 → 15 s	∅ 10 → 15 s	∅ 10 → 10 s	∅ 10 → 5 s

RECOMMENDATIONS FOR USE

Mechanics	Auto				
	PL				
	Agri				
	BTP				
Maintenance workshop					
Industry					



Simple interface / easy to use

POWERDUCTION has a simple intuitive interface clearly presenting all the essential information. The display shows the coolant temperature and heating instructions, while the other indicators show any anomaly, ensuring a safe use.



Wide range of inductors

The POWERDUCTION range is complemented by a wide choice of specific inductors. It offers different shapes (70°, 90°, straight) to suit the particular applications including hard-to-reach areas.



Frequency variation

POWERDUCTION reacts differently depending on the inductor used and the material processed. It provides an optimal heating power adapted to each situation.





Accessories & consumables POWERDUCTION

A complete range of accessories, inductors and ferrites manufactured in France.

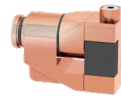
POWERDUCTION 37LG



ref. 061569 ●
70° inductor



ref. 058927 ●
90° inductor



ref. 059269 ●
Right inductor



ref. 051331 ●
Trolley Universal 800

POWERDUCTION 39LG & 50LG



ref. 056862 ●
Complete inductor 20°



ref. 053823 ●
Ferrite for inductor (B1)



ref. 056909 ●
Protection ferrite (B1)



ref. 056879 ●
Complete inductor 90°



ref. 053823 ●
Ferrite for straight inductor (B2)



ref. 056909 ●
Protection ferrite (B1)



ref. 056886 ●
Complete inductor right

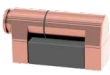


ref. 053458 ●
Ferrite for straight inductor (B2)

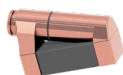


ref. 056916 ●
Protection ferrite (B2)

POWERDUCTION 160LG



ref. 059788 ●
90° inductor



ref. 059771 ●
70° inductor



ref. 059795 ●
Right inductor

Consumables




ref. 052246 ●
Coolant fluid
special welding (10 l)



ref. 054851 ●
Two-component stick adhesive
Power Epoxy - 2 x 15 g

Find  on social networks    

Created in 1964, GYS is a French family group with 630 employees worldwide. With its research and development centre in Laval, France, GYS is a leading player in the design and manufacturing of welding, battery charging and car-body repair equipment.

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