

# INDUCTED INTO THE TOOL HALL OF FAME

Induction heating is quickly becoming the preferred choice for many automotive technicians thanks to its safety, precision, efficiency and environmental advantages.

## How Induction Heating Can Benefit Tyre and Exhaust Centres

### Induction heating offers many benefits such as:

**FAST** – It heats metal parts in seconds, reducing repair time and increasing productivity

**PRECISE** – It only heats the required area with pinpoint accuracy, without affecting the surrounding areas

**SAFE** – Flameless heating makes it safer to work near heat-sensitive areas such as fuel pipes, wiring looms, and rubber components, without causing any damage.

**EASY** – It is very easy to use (minimum training required)

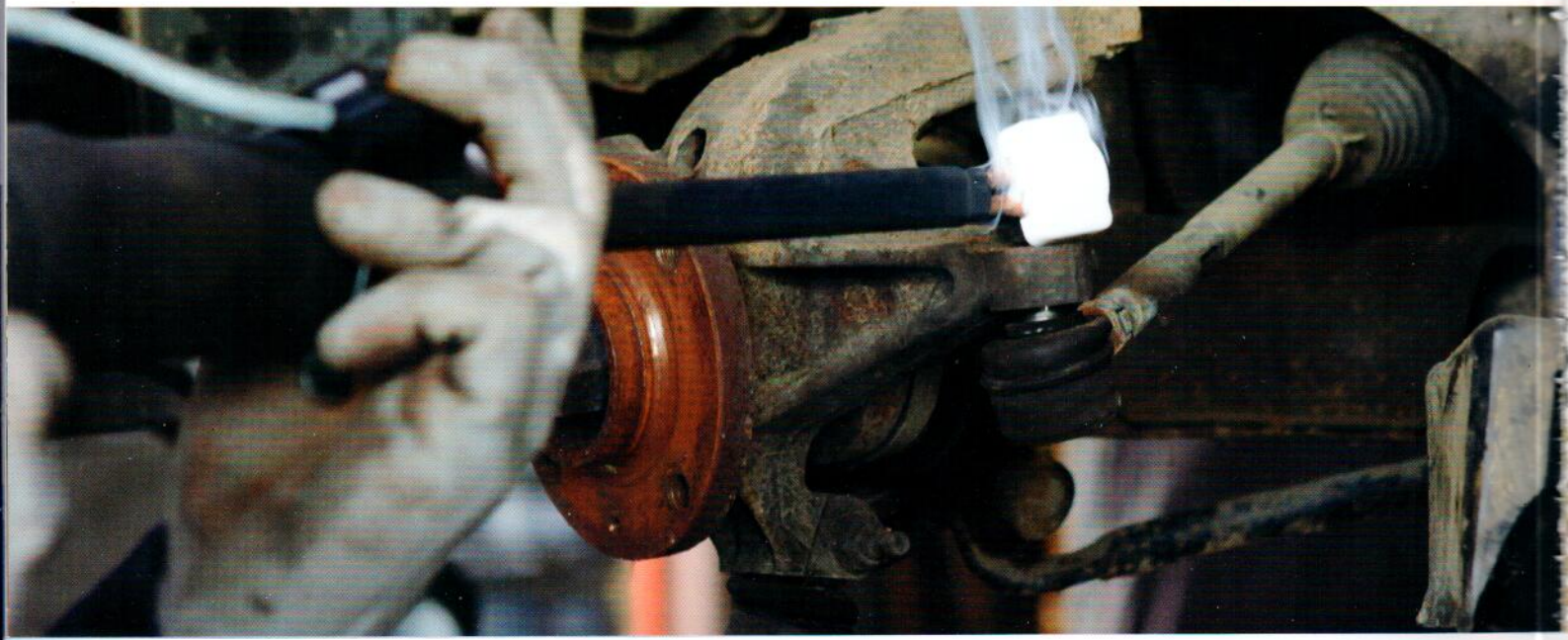
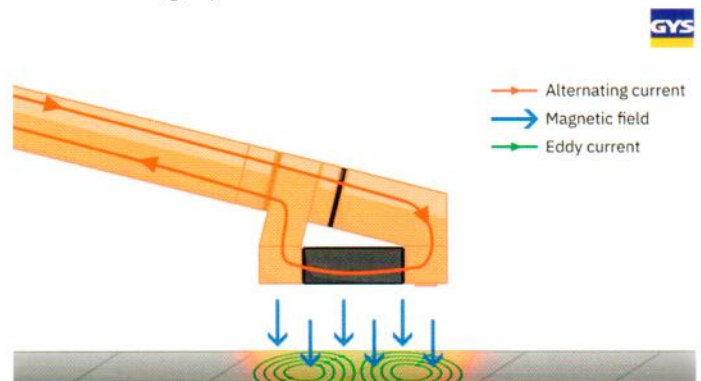
**REDUCES COSTS** – It can save up to 30% on insurance premiums and works out 90% cheaper to run than using oxyacetylene gas

**VERSATILE** – It can be used on any conductive material, thanks to its easily interchangeable inductor heads. If you need to loosen seized nuts and bolts, exhaust pipes, steering linkage, shaft drives or track rod ends, induction heating is the best solution.

## How Does Induction Heating Work?

Induction heating is a way to heat metals using electromagnets. An electronic device passes a high-frequency alternating current through the electromagnet to generate a rapidly changing magnetic field. This magnetic field penetrates the metal, creating electric currents (eddy currents) that flow through the resistance of the material, heating it up. The heat is generated inside the metal, so the process does not require an external heat source, such as oxyacetylene.

See the diagram below:





Businesses such as Protyre have recently made the switch, with a GYS POWERDUCTION 39LG being delivered to every branch in the country, citing the removal of oxy-acetylene and the safety improvements as a major deciding factor in the move to induction. Feedback from their technicians includes:

'I can get into tighter spaces without worrying about catching sensors, wiring or fuel line.'  
'Not only is the heat induction kit quicker than a gas torch, it's much safer and only heats the metal you want.'

The use of induction heating in Tyre and Exhaust Centres is quickly becoming the preferred method due to its safety, precision, and cost-efficiency.

### THE GYS POWERDUCTION 39LG



## MADE IN FRANCE



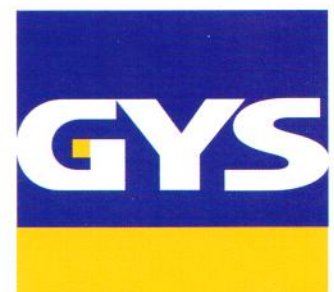
Ideal for servicing and repair workshops, The POWERDUCTION 39LG provides powerful and instant heating for steel or aluminium. It is equipped with a liquid cooling system, allowing it to heat metallic parts continuously for several minutes without interruption.

### Ways You Can Use the POWERDUCTION 39LG



- Essential for releasing the steering linkage (wheel alignment).
- Removes glow plugs, seized-up wipers and spare wheel compartments.
- Releases seized up bolts and steering ball joints without damaging the bellows.
- Releases shaft drives seized up in the hub.
- Removes automotive or HGV exhaust lines.

If you would like to learn more about induction heating with GYS, or want to book a demonstration with the POWERDUCTION 39LG, contact GYS today on call 01926 338 609 or email at [uk@gys.fr](mailto:uk@gys.fr).







Contact GYS today:  
Tel: 01926 338 609  
Email: uk@gys.fr



# INDUCTION HEATING

## HEAT WITHOUT FLAME



### POWERDUCTION 39LG:

- No.1 choice for tyre and exhaust specialists
- Ideal for realising track rod ends, exhausts and wheel nuts
- Designed and manufactured by GYS in France
- Easy to use



SCAN ME TO LEARN MORE



LEADING MANUFACTURER OF INDUCTION HEATING EQUIPMENT

[www.gys-welding.com](http://www.gys-welding.com)