

**BR Cartronics**  
**Case study for**  
**Inductive Logic**



**Model tested**  
Mini-Ductor II

**Type of business**

BR Cartronics is based in Leicester and is an Independent Garage and Service Centre specialising in Servicing, TPMS, Diagnostic's and repair of BMW, Mercedes, Audi and Porsche.

**A safe alternative to Oxy-Acetylene use**

By using these products we've found we're getting through fewer gas bottles, the removal process is quicker and as there's no flame involved, so it's a lot safer for my team to use these products. Previously we had to remove fuel tanks from the workplace, gas plants also require maintenance and insurance premiums are higher as the risk of accident is greater. Workshops can save themselves lots of time and money by switching to INDUCTOR® flameless heating products.

**Comments**

- An excellent piece of kit
- Very effective for getting to inaccessible places, for example the bendable coils reach previously inaccessible areas around exhausts
- Good for removing track rod ends, rusted bolts, and suspension arms, exhaust chumps, brake pipe unions etc
- Debonding rubber bushes – excellent as heats the metal housing and allows the bush to be pushed out easily in just 15-20 seconds. Normally this job, using traditional naked flame heating takes a long time – makes hard job fairly easy.
- The Mini-Ductor allows us to do things in situ – no need for major dismantling to get to inaccessible areas so saves huge amounts of time.
- Flame reduction and smoke reduction – flames set fire to rubber so we often have noxious rubber fumes and the workshop can be full of smoke! We won't have this problem by using the Mini-Ductor.
- Tough, powerful unit keeps heat localised around bolt – takes 15 seconds to get hot and very efficient way of heating up such parts that need to be removed.
- 80% time saving = higher productivity, the customer gets charged less, but profits are increased because productivity is high and there's almost no Health & Safety worries.
- Can release track rod ends without having to replace the ball joint – previously this was a big job but the Mini-Ductor makes it relatively easy
- Also good for forming metal.

**Thoughts on other possible uses**

- On site hydraulic hoses on tractors
- Braising items onto end cable – no need for flame
- Re soldering of battery terminals
- Bearing houses – to heat these up is important