



CORE HEAT

Tyre and wheel heat systems

Ready To Go

Patent Pending GB2511651A

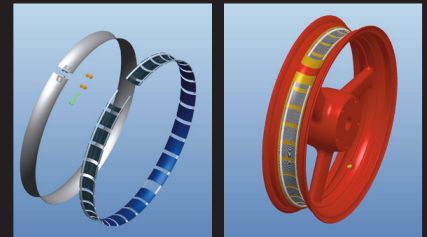
FabRoc
THE HEAT INSIDE

Core Heat Moto - Next generation wheel and tyre warmers

What is Core Heat Moto?

Using a combination of new patent pending technologies, Core Heat Moto provides the world's first ever in-rim tyre and wheel heating system tailored for motorcycles. At only 2.5mm deep and working uniquely from the inside out, an integrated carbon-rich heating polymer and bespoke carrier system hugs the base of a wheel's tyre drop well where it emits a combination of conductive, convective and infrared heat.

A specially designed super-light and rugged carbon enriched polymer called FabRoc® provides heat and is powered via a unique dual purpose air valve and IP67 rated power connector. Using low voltage direct current 'DC' power combined with weatherproof connectors means that Core Heat Moto can work efficiently and safely, inside or out.



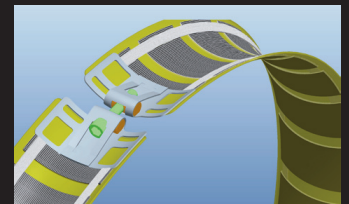
Core Heat Moto Road

For road and occasional track use the entry level product uses a lightweight S304 stainless steel clamped carrier system. Crucially, the use of Abba or paddock stands are not required as the heater elements can be connected whilst the bike is on its side stand or main stand. All you need to do to heat the tyres and wheels is plug in the special DC connectors and 25 minutes later you're ready to go.

Heat means grip so whether for commuting, a quick road or track blast, or a gentle two-up weekend run out for the first time ever Core Heat Moto provides a quick and safer way to get underway. Furthermore, for touring in the UK or abroad Core Heat is with the bike all the way and can be used fuss free every day, anywhere there's power available.

Core Heat Moto Race

For race purposes our system approach really comes into its own. As a build-to-order process is used a key factor is fitment, as both permanent encapsulation and clamp options can be provided dependent on weight requirements. Build materials can also be varied so that heat can be managed and applied in accordance with race requirements - for example, more heat applied and retained in the rim to prolong initial grip in colder and/or wet conditions.



To meet a variety of specific demands, variable power controllers can be supplied and material requirements such as Kevlar weight and weave type, resin additives and polymer layout modified to suit. As the system uses DC power, for short periods of time it is even possible to provide portable power via 12/24 volt, commercially available batteries – extremely useful for particular circuits and race conditions.

Core Heat Benefits

- Improved safety and convenience
- Carries heat for longer
- Improved grip in the wet and cold
- Improved cornering and braking
- Tyres heated from the inside
- Wheel covers or paddock stands are not essential
- Very low power consumption
- Simple and easy to use