

CARBON FIBER

TYREWARMER

CATALOGUE 2022

T THERMAL[®]
TECHNOLOGY



**HEAT
THE RACE!**

T THERMAL[®]
TECHNOLOGY



*Thermal Technology was born in 2001 using **carbon fiber** as resistive element.*

THE FIRST

TYREWARMER

WITH

CARBON FIBER



Thermal Technology was born in 2001 using carbon fiber as resistive element.

After many tests and studies, Thermal Technology decides to try the use of carbon as a heating element for electric blankets, which are used to heat up tyres for competition motorcycles.

Due to the excellent results obtained at the end of 2003, Thermal Technology builds the first production line for electric blankets in the industrial and racing field, becoming technical partner of several top teams in different Championships.

In 2004, Thermal Technology becomes official supplier of a famous Formula One Team.

In 2005 Thermal Technology applies the heating technology in residentially used environments. These applications lead to the development of a wide product range. In fact, to date, the construction industry presents an important role in the company business.

In the meantime, the Racing applications have never been overlooked as the collaboration with international operating Top Teams as always continued in the worlds' most ambitious Championships. There have always been important synergies with teams in all categories: from MotoGP to Moto2, from Moto3 to National and International Superbike classes.

To date, Thermal Technology racing products are developed, manufactured and distributed by Rimatek, an Italian company specialized in the realization of high-quality heating elements for both Racing and Industrial fields.

Motorcycle
tyrewarmer
EVO Dual Zone line

Tyrewarmer

Technology for amateur bikers and professional teams.

The use of tyrewarmers is essential at every level of experience when running on track, for both amateur riders as for professional racing teams. Tyres have to be preheated in order to ensure maximum adherence as well as to increase the duration of the usability.

Teams as Lenovo Ducati MotoGP, Red Bull KTM Ajo Moto2 and Moto3, Aruba.it Racing Ducati, Barni Racing Team, BMW Motorrad WorldSBK Team and Gresini MotoGP and Moto2 are only a few names of a long list of professionals, who selected Thermal Technology as technical partner.

The carbon fiber technology developed for the world's most famous racing teams is the same in all product lines for both, amateur and professional usage.

Ducati Corse Technical Partner





Multi Zone Technology

Since 2011, the first company to include independent zones inside the Dual Zone to optimize the temperature. The pursuit of maximum performance has brought Thermal Technology to introduce technical innovations to fully optimize the heating of the tyre. Three independent zones to uniformly heat both the tread and the rim. All monitored by special control units.



TRADITIONAL TYREWARMERS

Heat naturally tends to rise. This effect generates a temperature difference between the bottom and top.



DUAL ZONE

Our Dual Zone tyrewarmer has two independent zones to heat the tyre uniformly. The sensors on the tyre blanket allow the control unit to compensate for the stack effect of traditional tyre blankets.



TRI ZONE

The top-of-the-line model that also heats the rim used by world championship teams. A further evolution of the top-of-the-range model led to the integration of rim heating system with the aim to avoid an excessive demand of the tread.

SPECIFICATIONS Maximum level model used by international world Championship teams.

- Dual zone temperature adjustment
- Integrated rim heater with independent temperature adjustment
- Temperature adjustment with integrated control unit
- Setpoint range 0 - 130°C
- Nomex non-flammable internal and external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape

SIZES
L - XL - XXL - XXXL

CLICK HERE TO CHECK TABLE FOR CORRECT SIZE

* S and M size on request

* Colors and personalization on request

COLORS



EVO TRI ZONE



SPECIFICATIONS Top level which always ensures a homogeneous heating of the tyre.

- Dual zone temperature adjustment
- Temperature adjustment with integrated control unit
- Setpoint range 0 - 120°C
- Nomex non-flammable internal and external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape

SIZES
L - XL - XXL - XXXL

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* S and M size on request

* Colors and personalization on request

COLORS



EVO DUAL ZONE



SCAN TO CHECK TABLE FOR CORRECT SIZE



RACE

SPECIFICATIONS Advanced Integrated Electronic management.

- Heating regulation with integrated electronic controller
- Selectable Setpoint : 50/90/110°C
- Rubberized external fabric, flame retardant
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape
- Nomex non-flammable internal fabric
- Neoprene elastic band

SIZES
S - M - L - XL - XXL - XXXL

CLICK HERE TO CHECK TABLE FOR CORRECT SIZE

* Colors and personalization on request

COLORS



PRO

SPECIFICATIONS Well-built for professional use and fixed temperature.

- Single heating regulation with bimetallic thermostat 85°C
- Cordura effect Polyester external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape
- Aramidic internal fabric
- Neoprene elastic band

SIZES
S - M - L - XL - XXL
XXXL

CLICK HERE TO CHECK TABLE FOR CORRECT SIZE

* Colors and personalization on request

COLORS



SPECIFICATIONS

The best quality/
price ratio

- Single heating regulation with bimetallic thermostat 85°C
- Resined Nylon external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape
- Cotton internal fabric
- Elastic cord on skirt

SIZES

XXXS - XXS - XS
H - S - M - L - XL
XXL

[CLICK HERE TO CHECK TABLE FOR CORRECT SIZE](#)

COLORS



PERFORMANCE



SPECIFICATIONS

Easy and functional.

- Single heating regulation with bimetallic thermostat 85°C
- Polyester external fabric
- Insulation with reflective layer
- Heating element with transversal shape
- Cotton internal fabric

SIZES

One size

[CLICK HERE TO CHECK TABLE FOR CORRECT SIZE](#)

COLORS



EASY



SCAN TO CHECK TABLE FOR CORRECT SIZE



SUPERMOTO

SPECIFICATIONS Tyrewarmer built with specific features for supermotard specialty.

- Digital temperature control
- 3 selectable Setpoint 45° / 75° / 85°
- Improved shoulder heating
- Heating element with transversal and longitudinal shape
- Fits tyre size 160

SIZES
M

[CLICK HERE TO CHECK TABLE FOR CORRECT SIZE](#)

COLORS



PIT BIKE

SPECIFICATIONS Dedicated tyrewarmers for Pit Bikes.

- Heating regulation with bimetallic thermostat 85°C
- Resined nylon external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape
- Cotton internal fabric
- Elastic cord on skirt

SIZES
XXS - XS

COLORS



Available with control unit



[CLICK HERE TO CHECK TABLE FOR CORRECT SIZE](#)



CLASSIC

SPECIFICATIONS Tyrewarmers with features similar to the Performance model but specifically designed for classic motorcycles and for modern motorcycles with vintage style when used on the track.

- Heating regulation with bimetallic thermostat 85°C
- Resined nylon external fabric
- Insulation with reflective layer
- Heating element with transversal shape
- Cotton internal fabric
- Elastic cord on skirt

SIZES

[CLICK HERE TO CHECK TABLE FOR CORRECT SIZE](#)

COLORS



SCAN TO CHECK TABLE FOR CORRECT SIZE



SPECIFICATIONS Protection to preserve the correct working temperature of fuel.

- Silver reflective fabric
- Customizable with logos



FUEL CAN COVER - TANK COVER

SPECIFICATIONS Protection to preserve in the best possible way the heat of the tyre in all meteorological conditions.

- Windstopper available in different sizes for all models of tyrewarmers



WIND PROTECTION

SPECIFICATIONS

- Aluminium Tyre-Rack, easy disassembled, including transport bag, central canal wired with No. 10 of 220V sockets
- Available pre-wired with 10 electronic controllers



TYRE RACK

SPECIFICATIONS

- Electronic controller units with 2 independent outputs



ELECTRONIC CONTROLLER UNIT



Team Service

TAILOR MADE The company follows all major championships directly or through distributors. It provides the teams with an extensive service, from the inspection of all the equipment at the end of the season to the total customization of the product, both in terms of look and – most importantly – quality. In addition to the simple application of the team logos on the tyre warmers, the company creates completely customized products regarding colours and materials.



MONITORING DISPLAY Embedded display with robust display:

- To control the conditions of the tyre warmers, the temperatures and the pressure inside the tyre in real time
- To control the graph of the temperature and pressure trend
- To control and save the data of every single tyre with the possibility to recover the information afterwards
- Compatible with LDL, 2D, McLaren and I2m TPMS systems



From the World Champion to daily usage

Thermal Technology uses worlds' top class championships as a reference point for the development of new and always more innovative products.

Since nearly two decades the track activities of the company have always been the starting grid for the technological growth of the products; over time, the number of innovative solutions introduced have established new standards in the sector.

In fact, Thermal Technology was the first supplier to introduce specific tyrewarmers, with a system of heat accumulation, for the starting grid, when in 2005 generators had been banned from the grid. In the following years the company developed the first windstoppers to further preserve the temperature of the tyre in all meteorological conditions.

In 2018 Thermal Technology introduced, for the very first time, a system which allows MotoGP teams to monitor in real time not only the tyre and tyrewarmer temperature, plus the inside pressure of the wheel, but also to save all the data for the consecutive development of the tyre. On date, the company is further continuing the development of their products with the best MotoGP and WSBK teams in order to offer the best quality at an accessible price for all the passionate users on track.





Partner
Tecnico



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