



**TM1000 High Power.
Enrich your farming.**



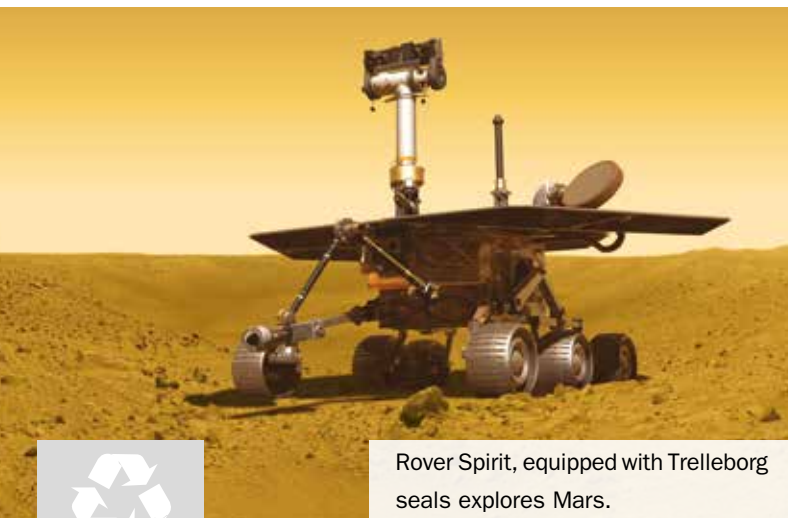
TM1000 High Power. The solution for sustainable farming.

With the world population expected to grow by 27 percent to 8.9 billion people by 2050, demand for agricultural products will certainly rise. With a limited amount of arable land available on the planet, farming needs to become more productive and efficient. New technology will certainly drive the industry, while choosing the right tire solution will become crucial to maximize the performance of tractors. Trelleborg's strategic goal is to develop innovation to meet modern needs of an ever-growing market while respecting the environment.

“Produce more, with less.”

1969, the man lands on the moon.
2007, the Rover Spirit explores the red planet.
2030 is when experts foresee the first human journey to Mars (www.marssociety.org).
The human colonization of other planets will start together with the adoption of future farming techniques to feed the first humans on these planets.
At Trelleborg we know today the requirements

that future farming will have. It's what modern agriculture increasingly demands: innovation and technology to produce more in a sustainable way. We want to bring the technology of the future that is available now, to increase farming cost efficiency and crop productivity. To do this while respecting planet Earth, through the reduction of our company's environmental footprint along with the promotion of sustainable farming.



Rover Spirit, equipped with Trelleborg seals explores Mars.



Printed on
recycled paper

Performance for farmers, care for the environment

On the sidewall of the tire, the **BLUE TIRE** logo represents the improvements, patents and production procedures that the TM1000 High Power manufacturing process has been through in order to help farming professional to produce more with less.

The new range has been eco-designed* according to the **BLUE TIRE TECHNOLOGY** which includes:

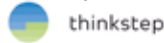
- new eco-friendly materials
- advanced tread and bead concepts
- new sidewall designs
- eco-friendly manufacturing procedures

The BlueTire™ technology allows up to a 6% reduction in CO₂ emissions (compared to standard tires). 1 year of BlueTire™ production led to an emission reduction of 13,700 tons of CO₂, the equivalent to about 2,884 personal vehicles in the course of a year.

-6%
CO₂
EMISSIONS*

13,700 CO₂ tons emissions = **2,884** 

* Eco-design methodology:
LCA (life Cycle Assessment) certified by THINKSTEP
Learn more on thinkstep.com



Your land deserves the lightest touch

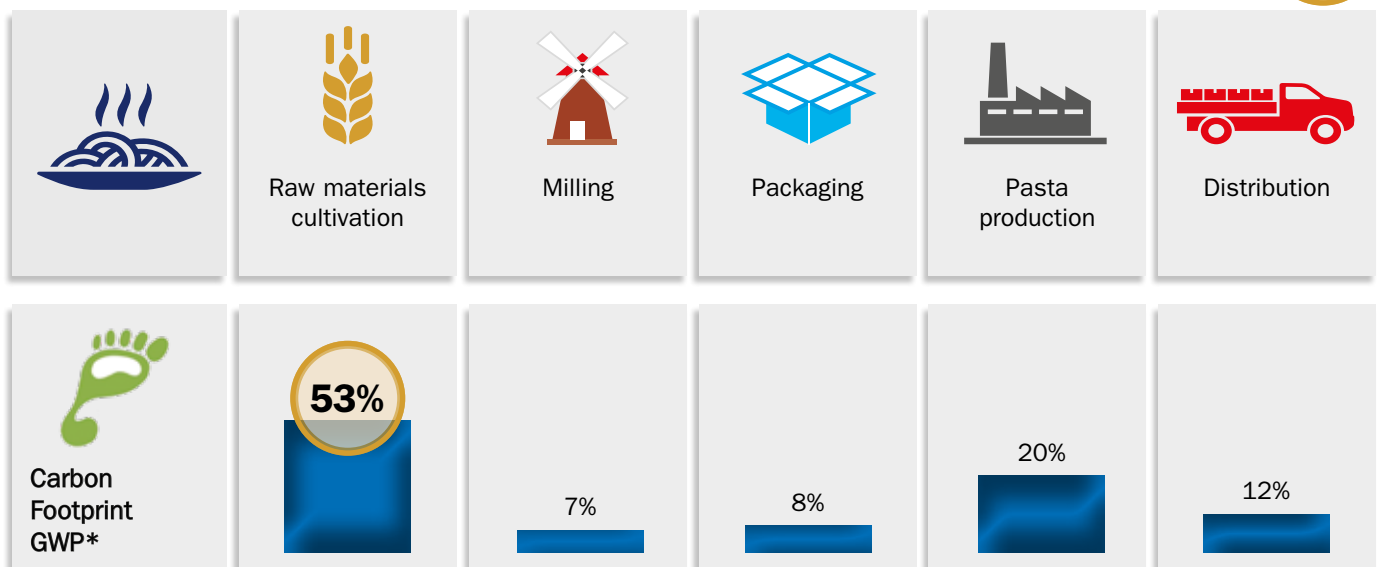
Food production: over 50% of carbon footprint is driven by farming

According to recent research into the food industry's environmental footprint, farming cultivation is responsible for a significant portion of CO₂ emissions from the production of food.

As a consequence, in the coming years it is essential that the agricultural industry boosts performance through the reduction of its environmental footprint.

Example of Cereals based food production

Lower is better



*GWP = Global Warming Potential: it represents emissions' contribution to the global warming and climate change of earth.



Trelleborg tires reduce your tractor's CO₂ emissions by 6%

The new BlueTire™ technology, recently launched by Trelleborg, guarantees the lightest touch on the earth.

As illustrated in the chart below, the BlueTire™ technology represents a 6% reduction in carbon footprint over the working life of a Trelleborg tire.

% of CO₂ emission for a standard tire during its working life

Lower is better

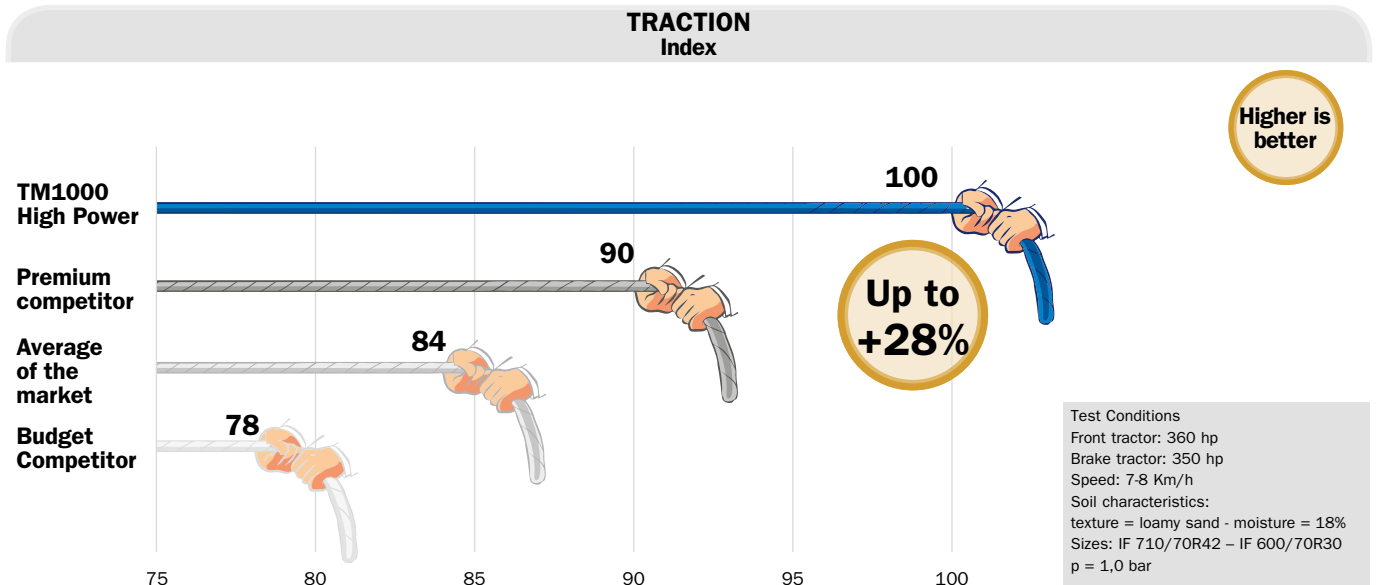


*GWP = Global Warming Potential
LCA (life Cycle Assessment) certified by PE INTERNATIONAL

Unbeatable traction performance

The new TM1000 High Power line has been co-designed together with leading tractor manufacturers to equip the latest generation of high powered tractors. The new Trelleborg range is able to transfer

to the ground the entire engine power, along with the torque driven by the latest breed of transmissions. TM1000 High Power. Boost the traction capability of your tractor.

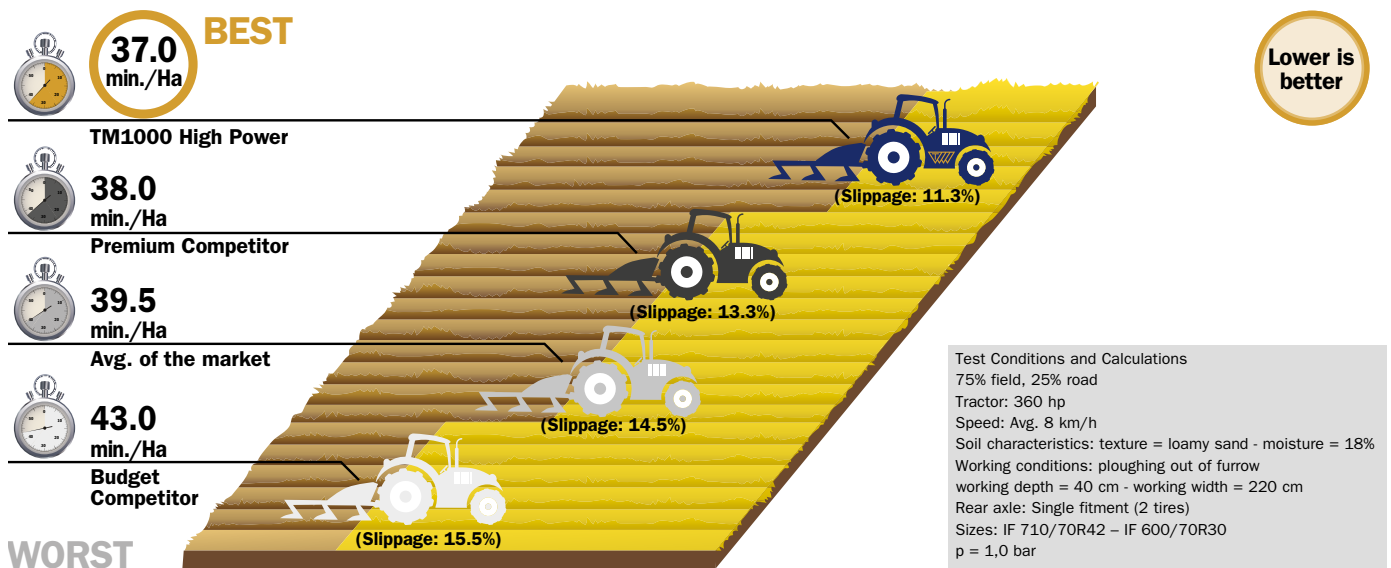


Great savings in the field

During ploughing operation, the new TM1000 High Power line performs better than premium brand competitors and significantly better

than the average of the market. The reduced working time per hectare results in lower emissions and higher cost efficiency.

PLOUGHING Time to plough (min./Ha)



The economic benefits driven by the reduction of operating time result in significant overall savings, including costs such as fuel, maintenance and manpower.

TIME TO PLOUGH 500 Ha (vs. average of the market)

up to **21**
hours saved



=



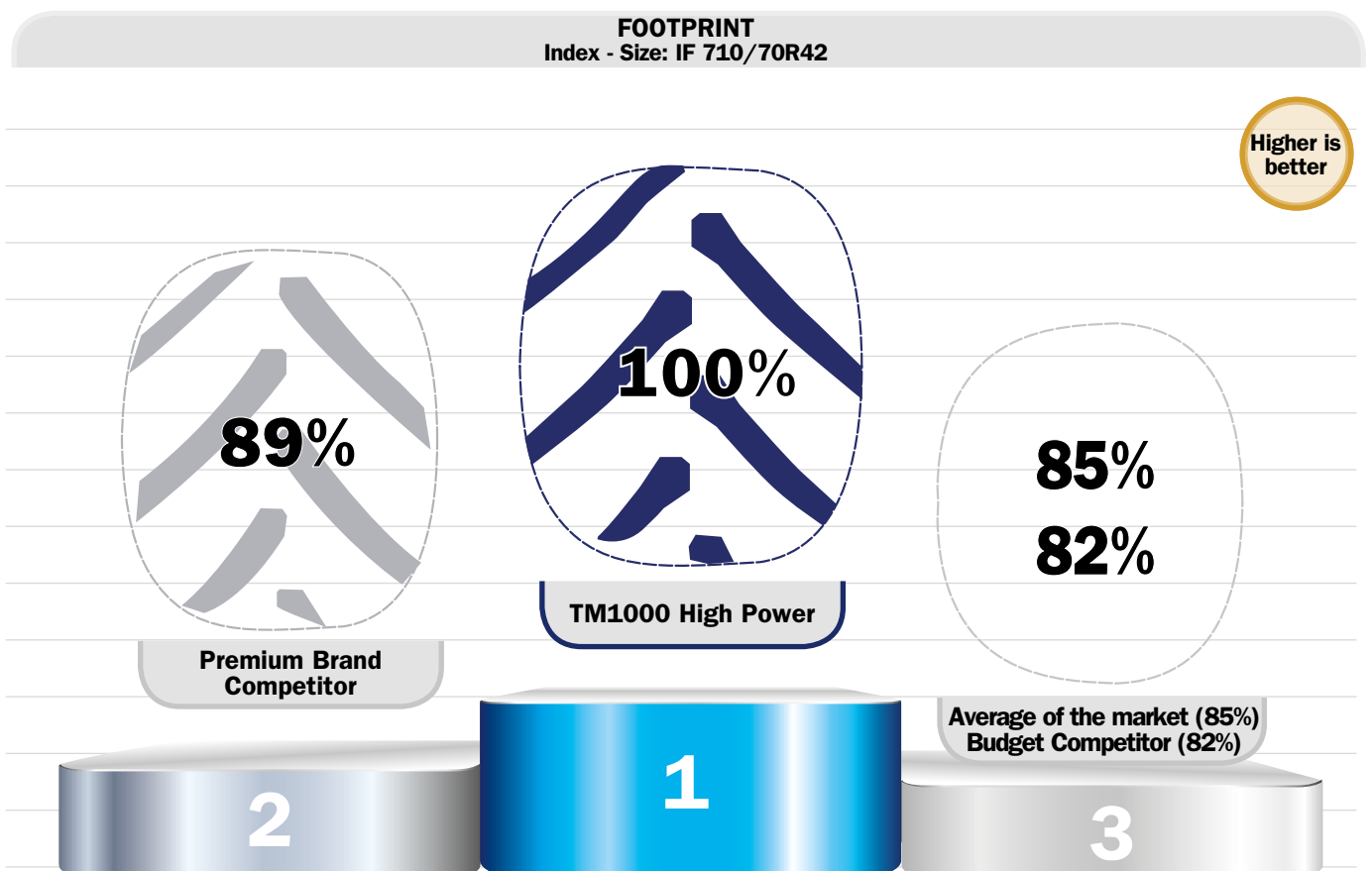
1,620 € saved

- Average working costs per hour = 75 €
- Including cost evaluation related to the tire wear performance

The widest footprint in the tire industry

TM1000 High Power provides extra wide footprint, giving premium flotation and low soil compaction.

The soil returns to its original state as an organic reactor, capable of absorbing air-bound nutrients, recycling crop residues and retaining water.

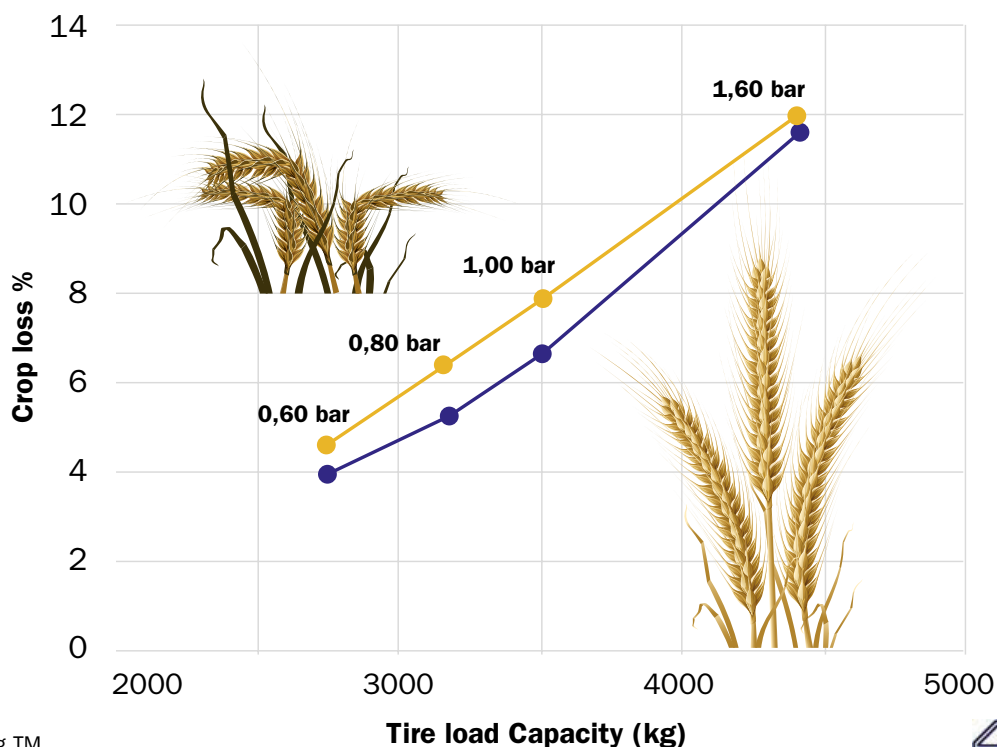


Independent testing proves higher productivity from crops



The extra wide footprint of Trelleborg TM1000 High Power minimises the crop loss through your farming operations. As a result, your productivity per hectare

grows significantly. Recent tests performed jointly with Dresden University prove that a 12% wider footprint drives up to 2% higher crop yield.

TIRE INFLUENCE ON CROPS STRESS



Lower is better

 Trelleborg TM
 Premium brand competitor

 TECHNISCHE UNIVERSITÄT DRESDEN

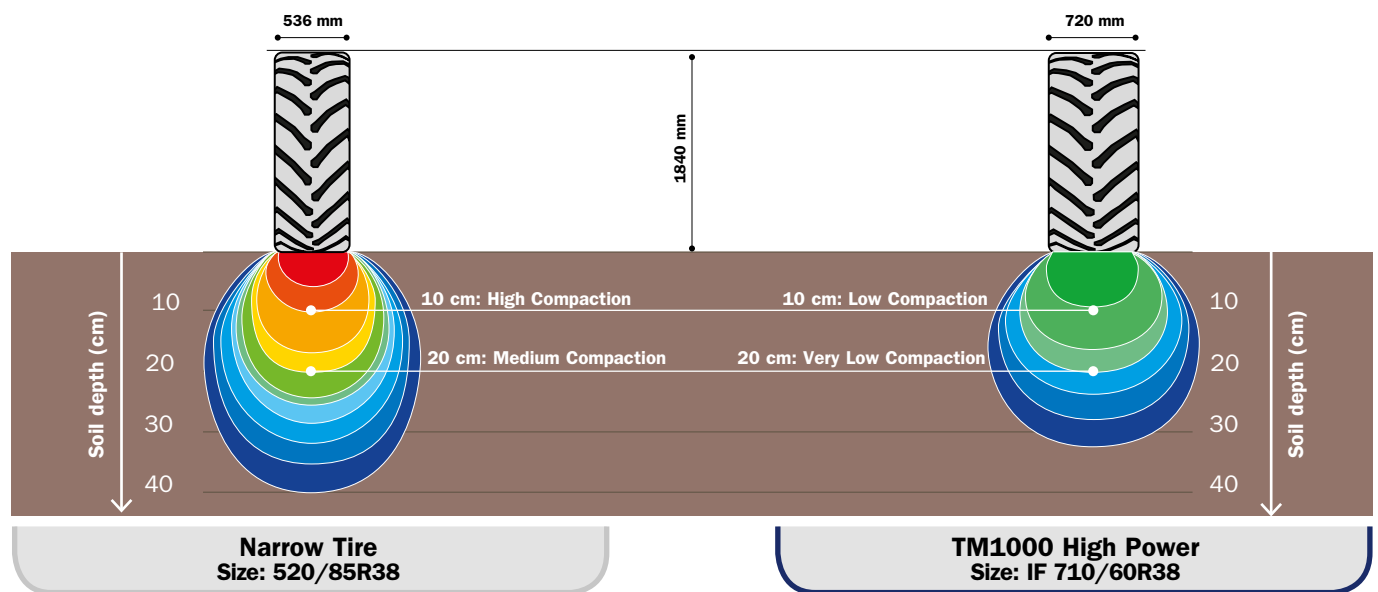


Select the right tire "Wider is better"

The FEM Analysis (Finite Element Analysis) shows the degree of compaction gets rapidly worse and much deeper with a narrow tire. Recent research proves that at a 10 cm depth the soil compaction is double with the narrow

solution and becomes triple at 30 cm depth. The wide TM1000 High Power tire provides very low soil compaction, boosting the yield from the crops.

SOIL COMPACTION PERFORMANCE. NARROW vs. WIDE



Test Conditions
Soil characteristics:
texture = sand 18% - silt = 47% - clay = 35%
pH: 7.3 - O.M.: 2.0%
Soil moisture: 18% - 20%



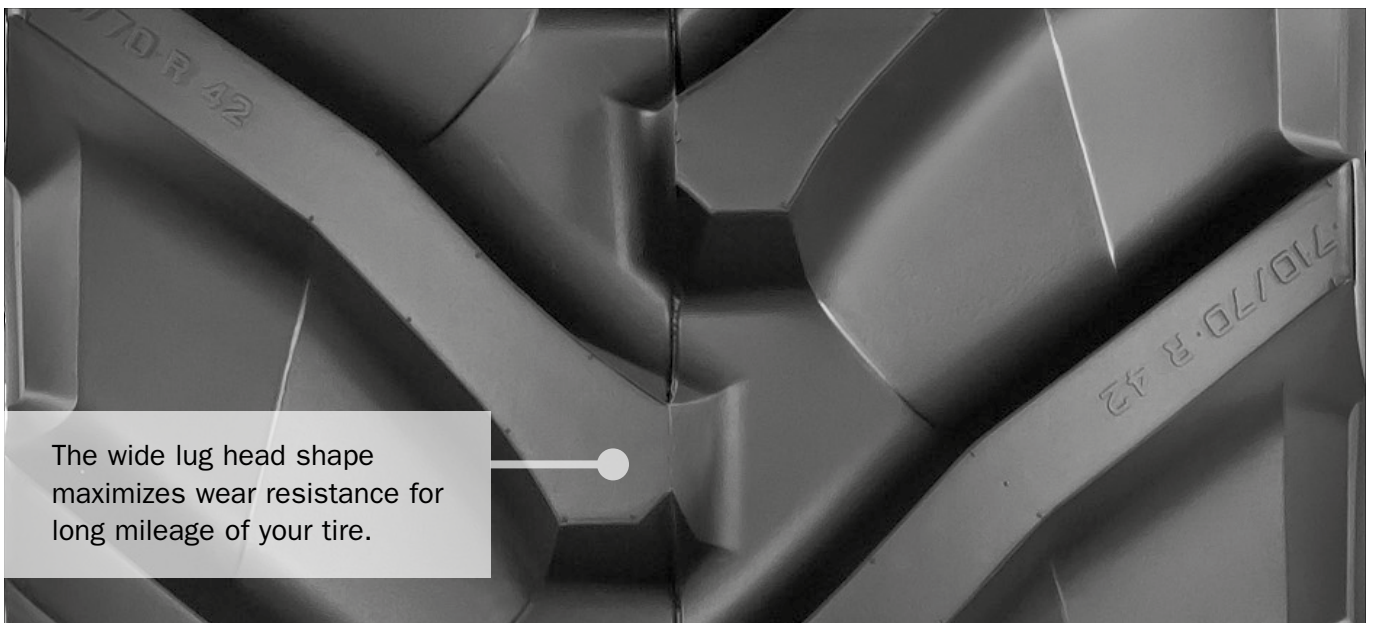
Premium road performance

Fuel consumption
-13%

Life time
+18%

The shape, width and length, as well as the materials of the lugs of TM1000 High Power

have been studied to increase wear performance while reducing consumption and emission.



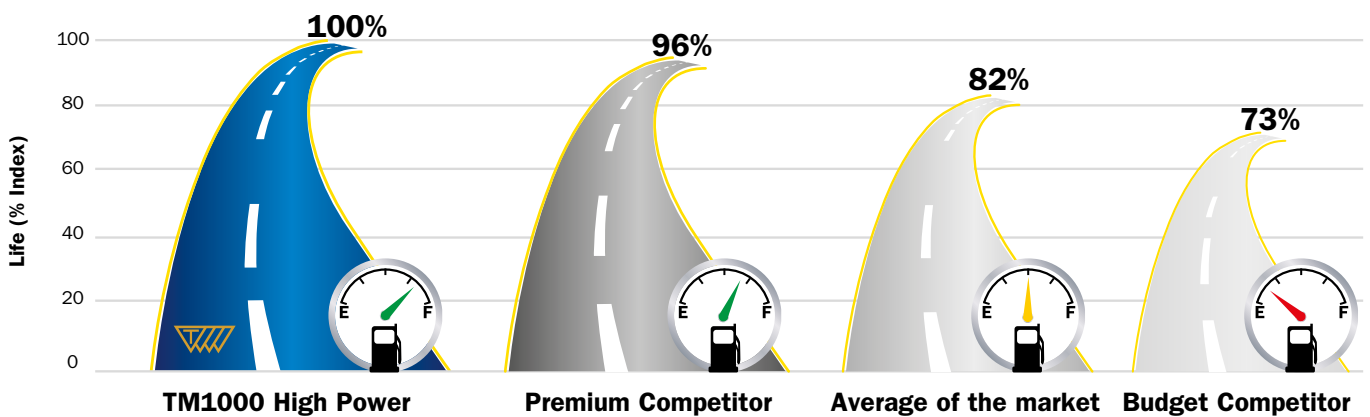
The wide lug head shape maximizes wear resistance for long mileage of your tire.

Extra mileage, reduced consumption and emissions

On the road, the advanced design along with new carcass and tread materials, ensure to your TM1000 High Power the longest life in

the market. In addition, the reduced rolling resistance results in low fuel consumption and emissions.

ON THE ROAD Fuel consumption and Life time



Test Conditions and Calculations
50% road, 50% field
Tractor: 360 hp
Fuel cost: 0.65 €/lt
Rear axle: Single fitment (2 tires)
Sizes: IF 710/70R42 - IF 600/70R30

Fuel consumption: **-13%**



Your TM1000 High Power uses **13% less fuel** and lasts **860 hours more** than the market average



On the road, save up to **1,760 €** after **1,000 hours** vs. the average of the market

Life time: **+860** hours

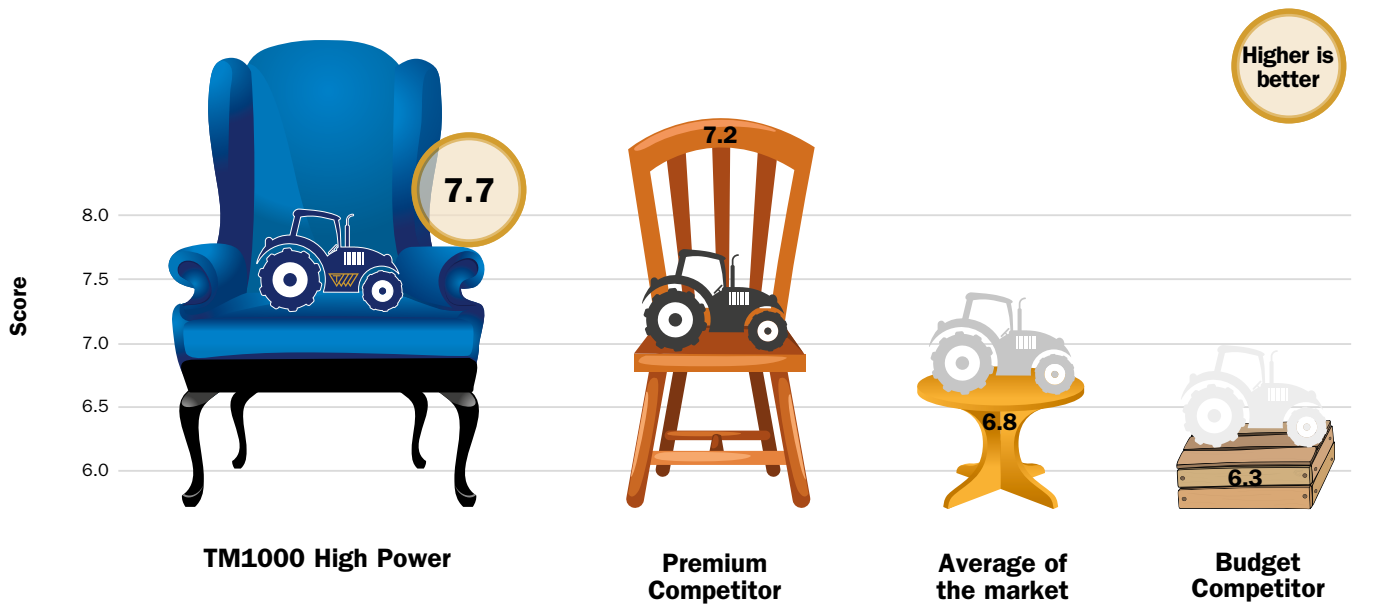


Superior comfort for demanding farming

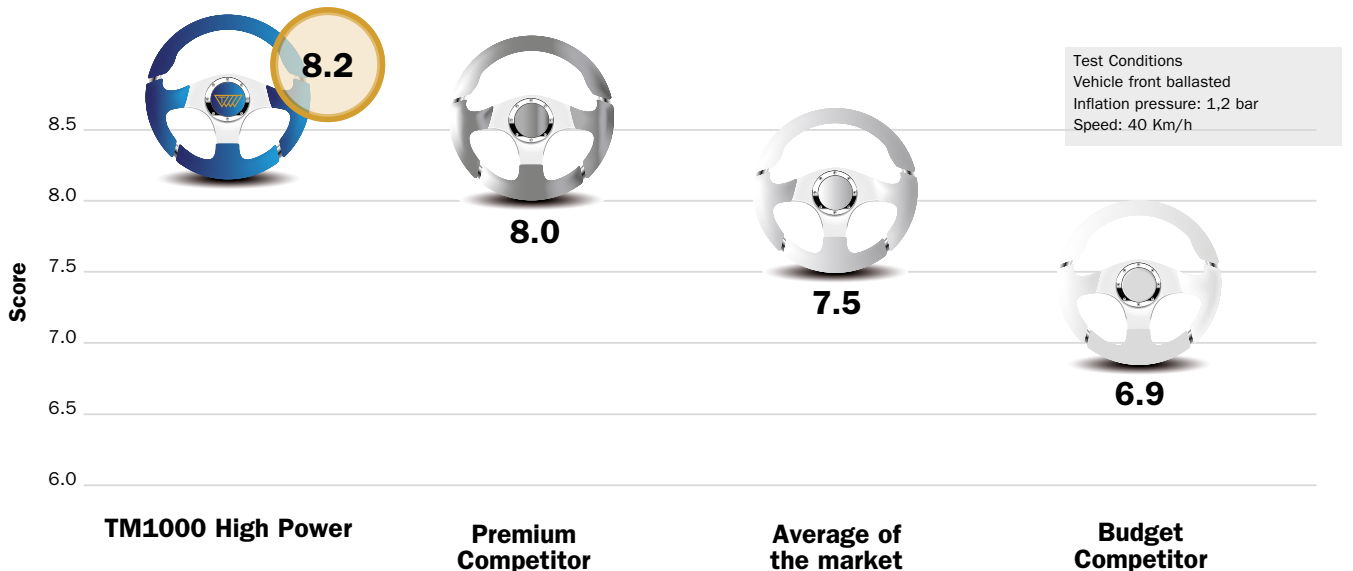
Compared to the market average, the TM1000 High Power provides you with better handling and safety performances.

The **BLUE TIRE** technology avoids vibration to provide premium comfort, essential for your long and demanding farming operations.

DRIVER COMFORT (Score from 1 to 10)



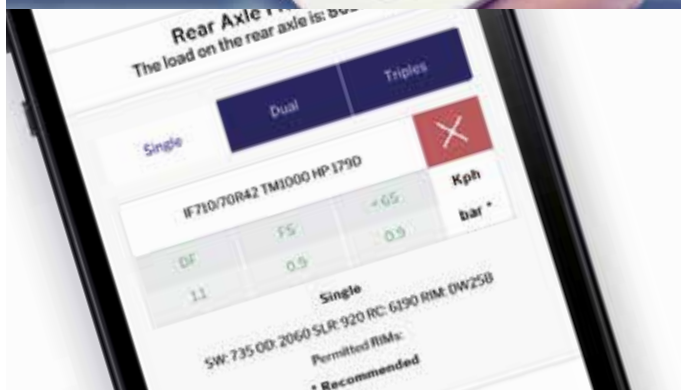
TRACTOR HANDLING (Score from 1 to 10)



TM1000 HIGH POWER

DIMENSION	Profil	SW mm	OD mm	SLR mm	RC mm	SRI	Jante	Jantes Tolérées	Type
IF 600/70R30 159D	TM1000 High Power	605	1610	695	4750	750	DW21B	DW20B	TUBELESS
IF 650/60R34 159D	TM1000 High Power	645	1660	725	4955	775	DW23B	MW23	TUBELESS
IF 650/65R34 161D	TM1000 High Power	650	1720	750	5105	825	DW23B		TUBELESS
IF 710/60R34 164D	TM1000 High Power	710	1715	740	5105	825	DW25B		TUBELESS
IF 650/65R38 169D	TM1000 High Power	660	1840	830	5510	875	DW23B		TUBELESS
IF 710/60R38 172D	TM1000 High Power	720	1840	825	5515	875	DW25B		TUBELESS
IF 710/70R42 179D	TM1000 High Power	735	2060	920	6190	975	DW25B		TUBELESS
IF 710/75R42 176D	TM1000 High Power	730	2160	940	6410	1025	DW25B	DW23B	TUBELESS
IF 900/60R42 180D	TM1000 High Power	880	2155	945	6425	1025	DW30B	DW28B*	TUBELESS
IF 710/65R46 183D	TM1000 High Power	710	2090	947	6325	1025	DW25B		TUBELESS
IF 750/75R46 186D	TM1000 High Power	750	2305	1030	6915	1125	DW25B		TUBELESS
IF 900/65R46 190D	TM1000 High Power	890	2310	1030	6930	1125	DW30B		TUBELESS

* Narrow Rim Option (NRO)



Get the most out of your TM1000 High Power. Make your own calculation.

Download the **Trelleborg Load Calculator** and **Tire Efficiency** from App Store or Google Play.

Download for free on:



www.trelleborg.com/wheels/agri/apps



Trelleborg. Five hundred kilograms of lightness.

Strong and light at the same time? That's why we've created the TM1000 High Power tyre. It provides an extra-wide footprint, reducing ground pressure, protecting soil from compaction and ensuring high crop yields. Moreover, its reduced rolling resistance results in low fuel consumption and emissions, helping you to produce more in a sustainable way.
www.trelleborg.com/wheels





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