# EVERGREEN TYRE SPECIFICATION

**A pattern specially designed to elevate the performance of traction, manipulation on wet & dry roads.**

**Comfort**

Diverse blocks distribution upgrades softness while ensures tread strength, enhances shock absorption and increases driving comfort.

**Drainage**

Optimal 4 channel-grooves design maximizes slip resistance, ensures quickly drainage on wet roads, promises safe drive on rainy days. Tread compound containing silicon upgrades wet performance and ensures safety drive on wet pavement.

**Silence**

Densely distributed small blocks efficiently offset noises made by air emission in the grooves. Simulated diverse and irregular pitch order decreases vibration noise.

**Safety**

Special bead design ensures closer contact between inflated tire and the rim, avoids flying up of tyre toe, and enhances  safe driving.

**Handling**

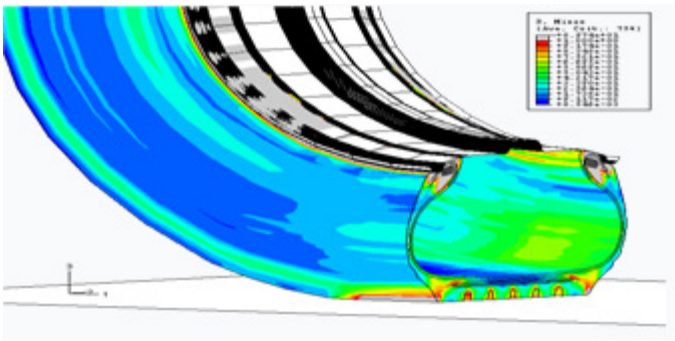
Center rib upgrades maneuverability and braking performance, increases grip force and operating stability. Wider rubber-road contact area improves sticking force on wet and dry pavements. Enhanced blocks upgrade steering and braking, provides better maneuverability.

## PCR & LTR Technology

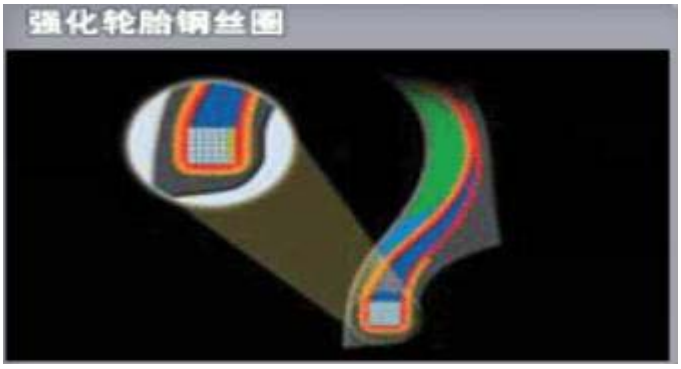
**The technology development of the PCR & LTR products stands for the main development trend of technology development of the tire industry. With the perfect product R&D system, we've reached higher technology levels in the industry in many aspects such as tire structure, tire pattern, tire compound, environment-friendly tire and so forth.**

**Advanced technology of structure designing**

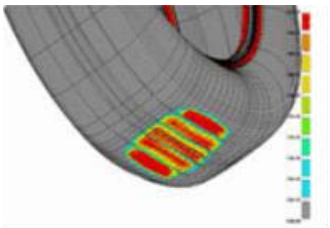
1.The overall designing of the tire carcass with the technology of ground-contacting stress balance and computer ACD, can make the ground stress distribute in a more balanced fashion, so as to minimize the stress of unit ground-contacting. This means the wearing of the unit ground will be the least, thus affording much higher mileage.



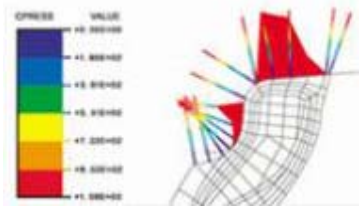
2.Special methods of improving the non-contact part of the shoulder greatly decrease the accumulation of excessive heat in this part. With the dropping of tread temperature, the fatigue of tread rubber has been reduced greatly, which ensures durability and high-spe.



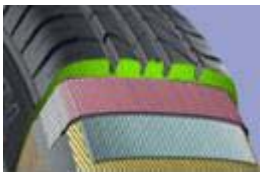

3.The latest tire contour design simulated by the computer greatly reduces the energy generated by the strain of the belt and fetal.



4.The most optimizing design of tire shoulder can avoid the concentration caused by the abnormal pressure of the punctured tire.



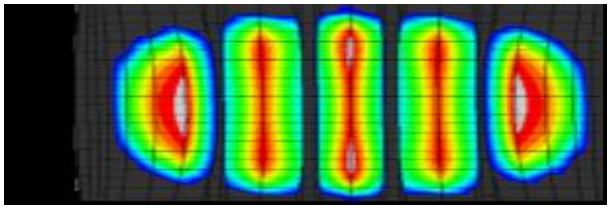

5.Highly flexible steel belt and seamless tread cap effectively improves durability and controlling.



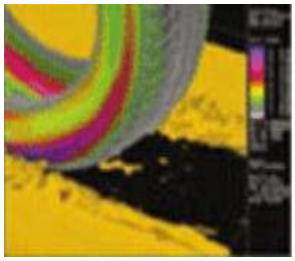
**Scientific pattern developing technology**

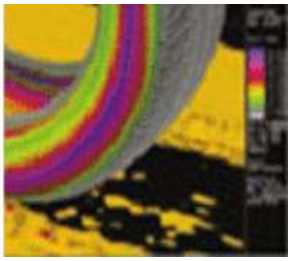
1.We use dynamic simulation and optimization technology as the key method in developing the patterns. Using supercomputer dynamics imitates the operation of the tires under various driving conditions targeted to develop the patterns, including wear resistance, noise, riding comfort, rim collocation, driving balance, the durability and rolling resistance.

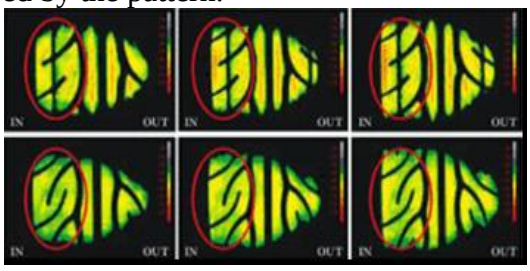
We use the software STACS to simulate the reaction of pattern on the road under the situation of tire acceleration, braking, swerving and other driving force.




2.Using CASPAN system to measure the contact shape and pressure ensures that when the tire contacts the ground, the rigidity of the rubber remains consistent and vibration amplitude tends to balance, so as to reduce the noise which is caused by the pattern.

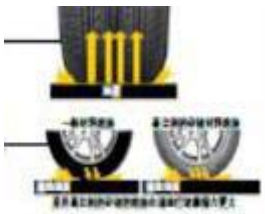




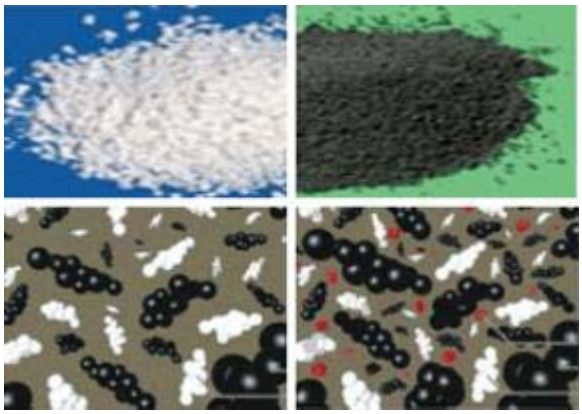


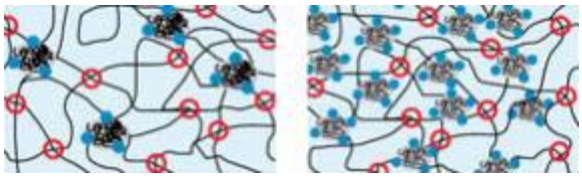

**Special compound designing technology**

1.Special tire tread compound design effectively lubricates the friction between the rubber molecules, so as to reduce the energy losses, lower rolling resistance, and save fuel consumption.



2.Through the extension of rubber material of the chain of carbon molecules with structure, improving the durability of the tires can also improve the wear resistance of tire;
meanwhile we use the special silicon tire tread compound technology to greatly enhance the grip, and keep the performance of saving fuel consumption.



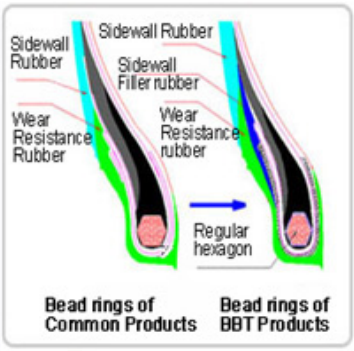


## TBR Technology

**Focusing on the China market, the biggest production and consumption nation of TBR tires, will enable us to improve our product and technology efficiently. BBT is the technical system developed in our last 10 years' effort on R&D.**

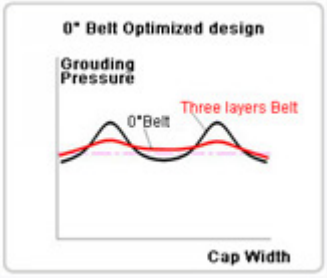
BBT technical system refers to an effort to improve overall performance on BEAD, BELT, TREAD tires and other critical parts, by laboratory testing and in-site tracking of the road test. This allows understanding and improvement of the timely issue of emerging technologies, so as to continuously enhance the overall performance tires used to make our company more responsive to all-steel products in a variety of road environments.

### BBT technical advantage A




By adjusting the layout of bead steels, the hardness of fillers, close fit with bead matrix, and the height of turn up of the body ply, the beads are strengthened, then it realizes the smooth rigid transition between the hard bead and the soft side wall, which makes the flexible points in the sidewalls concentrative near the horizontal axis of the section to give the sidewall friction with the wheel rim to prevent the stress concentration in the bead position and delaminating, splitting or breaking, so as to achieve durable parts by improving the bead resistance, load performance objectives.

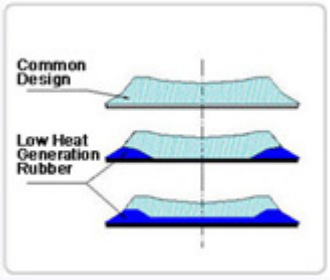
### BBT technical advantage B




To enhance the rigidity of the cap for the superior wear-resistance performance; To enhance the rigidity of the shoulder to ensure the stable dimensions of tires when they are running at high speed, and greatly reduce belt suffered heat and stress and to reduce the possibility of occurrence of separation on the shoulder, and better retreaded performance . To adjust rubber performance on belt to meet the bonding properties of both dynamic and thermal states and tire production process requirements, improve the stable quality, the performance to be stretched and strengthened, flex-fatigue resistance and high performance anti-aging;
By improving adhesive properties on tie-in stripe, good heat-resistance and fatigue resistance is achieved, as well as low heat

generating and high anti delaminating properties so as to extend the tire life.

**BBT technical advantage C**




By reducing the curvature of cap, the ground-grip power on cap is raised, thereby enhancing the wear resistance of tire; By increasing the width of the contact surface, the tire wear and grip performance is enhanced; Cap Rubber applies the imported smoke sheets 3 # and Cabot N115 carbon to improve the cap compound and related formulations of chemical agents, decrease the movement and creep between tire cap and the ground, enhance the traction and lateral force so as to make the cap increase the wear resistance, anti-cutting performance, tear-resistant and anti-adhesion properties and extend the service life of the tire; Base rubber applies the low-heat, high-adhesion rubber formulation to effectively reduce the operating temperature and improve the performance of high-speed tires