

# COUNTERACT

# COUNTERBALANCE



**TIRE  
BALANCING  
SYSTEMS**  
and how they work

## HERE'S WHAT OUR CUSTOMERS HAVE TO SAY ABOUT US...

*"We suggest balancing most of the truck tires that we mount with Counteract Balancing Beads. We found that trucks with aluminium rims tend to sling the stick on weights often. With Counteract they are not worried about a tire being out of balance. Counteract is a great product, and we look forward to satisfying our customers balancing needs with Counteract."*

JIMMY SHUMAKER, HEINTSCHEL TRUCK TIRE  
TEXARKANA, TX

*"Counteract Balancing Beads are a trouble free product and I have not had a single complaint. You could not make a product easier to sell, our customers love the cleanliness (of the product), with your guarantee and confidence: it's a distributors dream."*

JEFF PRIER, PRIER TIRE SUPPLY  
GOLDEN MO

*"We've been selling Counteract Balancing Beads for over 5 years. This product is far superior to ... as it does not produce any dust, which is a major problem with ... Our customers prefer Counteract..."*

RAY BLACKWOOD, RAY'S TIRE DEPOT  
BRAMPTON, ONTARIO

*"We have been selling and promoting Counteract Balancing Beads for almost 4 years. In that time we have been very satisfied with what the product promises. We are very happy with Counteracts performance and will continue selling the product"*

DAVID BATH DALEE ENTERPRISES  
BURNABY, BC



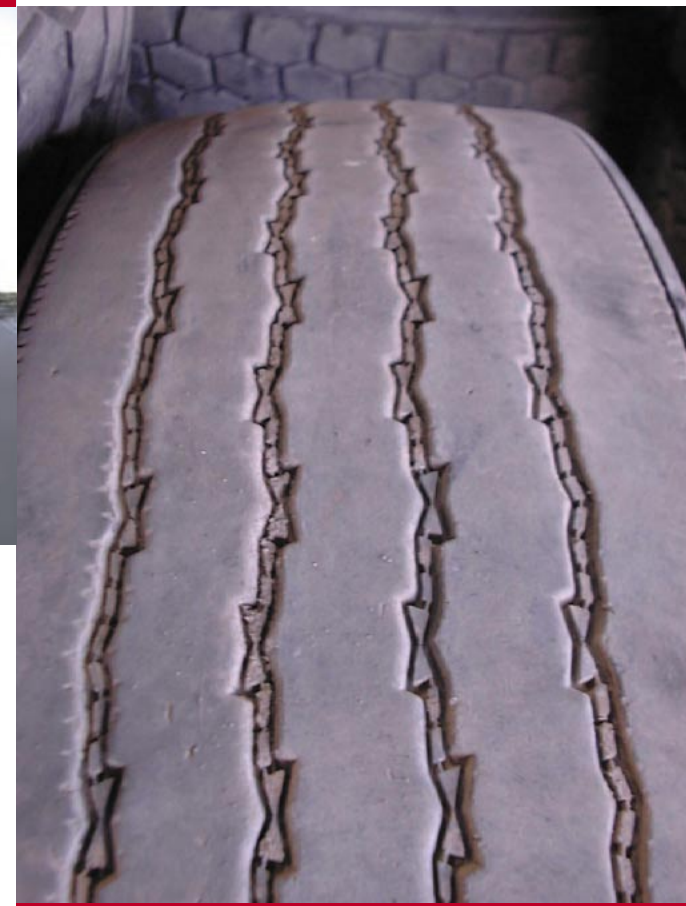
*Cavalier Transport Service, with a fleet of 200 tractor trailers, has been using Counteract Balancing Beads for some time. They report CBB has performed very well and he had only positive things to say "The bag-in-bag system is really handy. I am very happy with the product"*

TIM HARKNESS, CAVALIER TRANSPORT SERVICES  
BOLTON, ONTARIO

*"I sell Counteract to over 90% of the steering tires that I sell here; my customers like the product and have no problems with it. I also sell it for use in motorcycles, motor homes, off road 4x4's, bus companies and Transports, and it works well in all these applications."*

JIM REED, BEVERLY TIRE  
CONCORD, ONTARIO

## Perfect Balance Perfect Wear



**CUSTOMERS HAVE REPORTED  
THAT STEERING TIRES USING  
CBB HAVE RECORDED MORE  
THAN 200,000 MILES.**

**FOR INFORMATION CONTACT  
COUNTERACT BALANCING BEADS  
TOLL FREE AT 1-800-572-8952,  
LOCAL CALLS 905-873-3339  
FAX 905-873-3088**

[www.counteractbalancing.com](http://www.counteractbalancing.com)  
[info@counteractbalancing.com](mailto:info@counteractbalancing.com)

IN EUROPE CALL 351 234 941 294  
IN SOUTH AMERICA CALL 55 313 776 9860

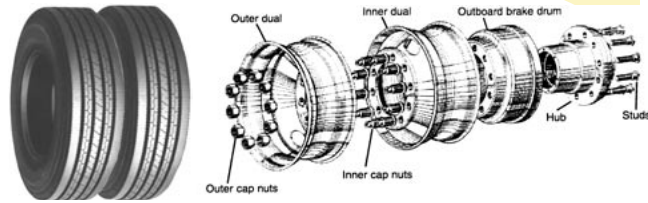
*Distributed By*

# THE LATEST TECHNOLOGY IN TIRE BALANCING

IN TODAY'S WORLD  
IT JUST MAKES SENSE TO  
**BALANCE ALL YOUR TIRES.**

AND, IT'S RELATIVELY INEXPENSIVE  
ESPECIALLY CONSIDERING THE BENEFITS:

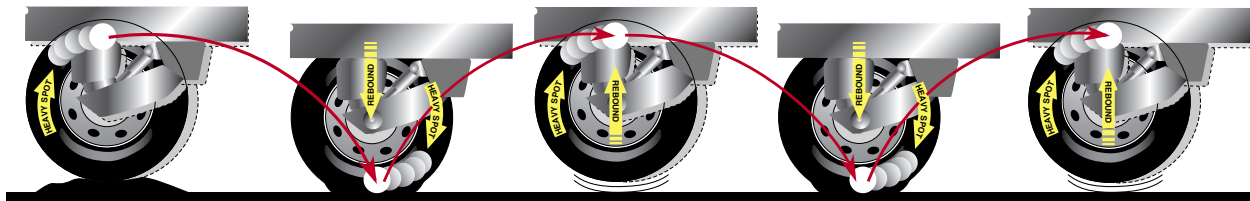
- **Substantial savings** on wear and tear of the vehicle
- An average of 30% improvement on **tire life**
- Decreased rolling resistance of the tires and **improved fuel economy**



## RUSSIAN ROULETTE

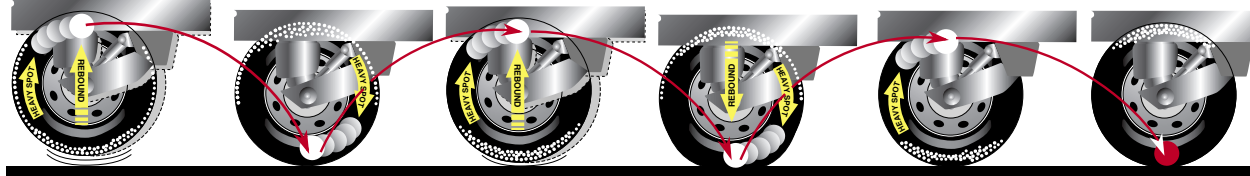
All parts of a wheel assembly are manufactured with tolerances for imperfections. By assembling together all these parts and their imperfections without balancing the complete wheel assembly, you are playing Russian Roulette with your mechanical repairs, tire expenses and fuel economy. The vibration that the driver feels from the steering tires also applies to all of the remaining wheels of the vehicle. In this example, the same forces are there, only they are multiplied by the dual wheel assembly to 120 pounds of up and down force. Heavy loads only shorten the wave length of the vibration. This up and down force (vibration), of 1100 times per minute, damages not only the tires, but over a period of time, many of the vehicle components, and is one of the main reasons that wheel fasteners, maxi booster clamps, U-bolts and torque rod bolts work themselves loose, not to mention cracking in frame rails and cross members, breaking of air brackets, door hinges, lights, etc. As this 120 pound centrifugal force and its rebounding multiplying factor hit the road, it has the same effect as slightly applying the brake or hitting a pot hole 550 times per minute, increasing the rolling resistance of the entire vehicle. This is because the only contact it has with the ground are its tires.

## OUT OF BALANCE WHEEL ILLUSTRATION AT HALF REVOLUTION



When Counteract and Counterbalance Beads are inside the tire, they gradually move (through inertia) in the opposite direction of the up and down motion and automatically counteract the imbalance.

## HOW IT WORKS

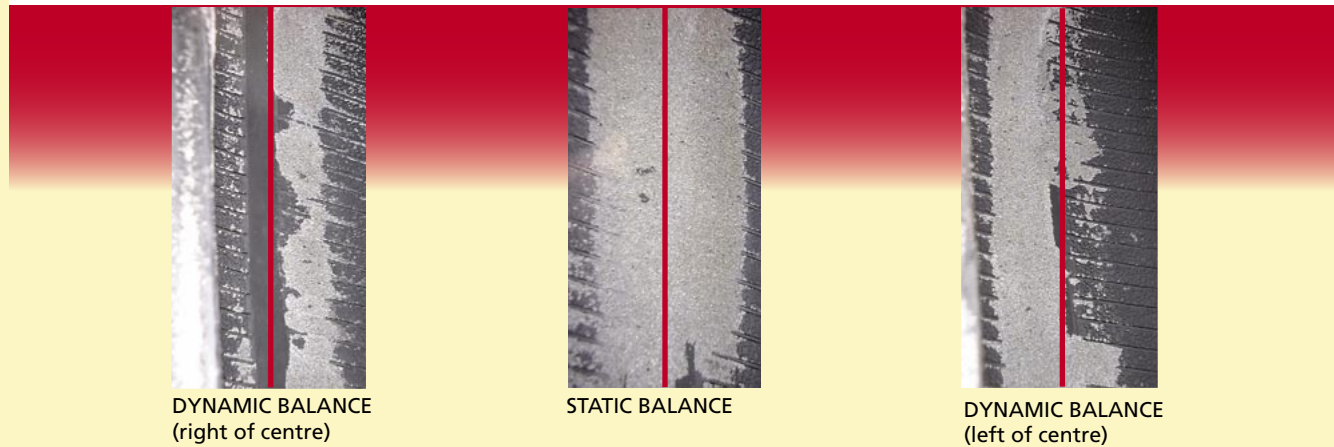


The CBB will be evenly distributed around the tire as it begins to roll through centrifugal force.

As the centrifugal force of the out of balance (heavy spot) increases and pulls up and down on the suspension, the CBB start to move in the opposite direction of the downward and upward travel through inertia.

The CBB continue to travel until the complete wheel assembly is balanced.

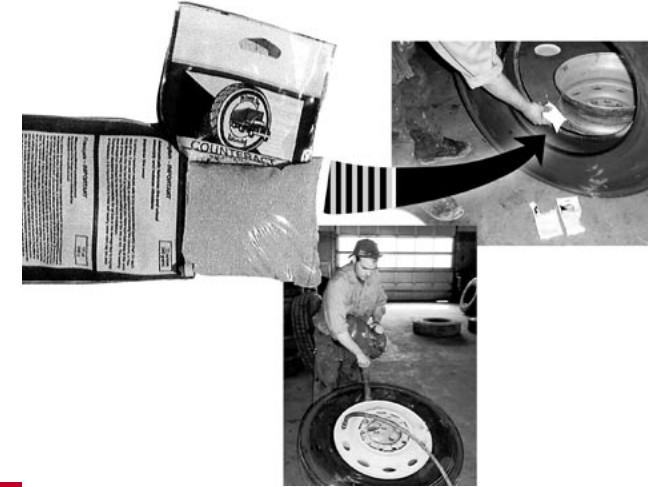
This product is environmentally friendly and will not react to any known chemicals. These unique characteristics result in providing the best of both worlds; the mechanical fixed weight balancing of tires and the automatic adjustment of internal balancing agents.



## ADVANTAGES OVER LEAD WEIGHT MACHINE BALANCING

Counteract and Counterbalance Beads balance for the complete life of the tire because they can readjust the balanced position as required... something lead weights are unable to do. Counteract and Counterbalance Beads balance the complete wheel assembly in all wheel positions on both trucks and trailers, as well as passenger vehicles, and they do so economically. Counteract and Counterbalance Beads are protected from road hazards and obstructions inside the tire and will not fall off as lead weights can do... saving the environment from the problems caused by lead weights.

# Just throw it in!



- All that you have to do is open the outside package and throw the inside bag into the tire
- This method allows the use of an air blaster to seat the tire on the rim, without contaminating the seating area
- The air blaster pressure inside the tire will collapse the bag containing the Beads or it will break soon after inflation.
- The **Counteract** or **Counterbalance Beads** will automatically balance the complete wheel assembly.



To reduce the possibility of a valve leak, we recommend the use of a long valve core and self sealing valve cap.