



// ONE BRAND // ONE SOURCE // ONE SYSTEM



— PATENT PENDING —

// SERVICE // MATERIAL PROCESSING // SURFACE PROTECTION // AUTOMOTIVE

## EQUAL FLEXX – WHEEL-END SOLUTION

**EQUAL FLEXX** With 2x more vibration absorption power, EQUAL FLEXX is the new industry benchmark in wheel-end balancing, delivering more even tire wear, lower rolling resistance and the smoothest ride.

### **DUAL FORCE**

#### **Active Balancing Technology**

We put 50+ compounds to the test as we developed EQUAL FLEXX – the newest member of the EQUAL family – and determined it wasn't one compound that maximizes vibration reduction, but a combination of two compounds that react and absorb force better than any other internal wheel-end balancer on the market.

**The results?** Like its predecessor, EQUAL FLEXX dampens vibration by adapting to the wheel and brake assembly, and its Dual Force active balancing compounds reduce total tire vibration by up to 60%.

#### **Rigorously Tested, Scientifically Refined, Fleet Validated**

IMI drew upon our unprecedented expertise over the past 25 years with EQUAL in the development of EQUAL FLEXX.

We partnered with the foremost experts in vibration analysis and tire testing. Final validations were performed over the road, having hundreds of thousands of recent miles of truck data to draw upon.

Tests have shown up to 15% better performance.

Using an onboard wireless vibration sensing system, the controlled testing process gave engineers a firsthand look at what happens inside a tire in real time, producing empirical data that led to the exact compounds in EQUAL FLEXX.



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## Soft material, maximum lifetime

EQUAL FLEXX will never damage the tire casing, wheel or TPMS units. It does not void tire manufacturer warranties. As the softest internal balancing compound available, EQUAL FLEXX maximizes vibration dampening for the life of a tire.



## Why does vibration matter?

Simply put, vibration is wasted energy, and wasted energy increases rolling resistance. EQUAL FLEXX absorbs this energy and the accompanying vibrations within the tire, reducing tire wear, lowering fuel cost by lessening rolling resistance, and delivering a smoother ride. Energy absorption happens everywhere on the tire's circumference where vibration occurs, not just at the footprint. In turn, vibrations are decreased through the complete tire and wheel assembly.



## WHY BALANCE YOUR WHEEL-ENDS?



### Fuel Cost

**FUEL COST** Balancing all wheel positions has been shown to improve fuel economy up to 2% for the life of the tires. In addition, unbalanced tires cause uneven treadwear – and that results in poor fuel efficiency. The last 20% of tread life can realize an additional 6.5% savings over a new tire. If your tires need to be replaced prematurely, you lose out on substantial fuel savings. Plus, you take on the cost of more frequent tire replacement.



### Tire wear

**TIRE WEAR** Unbalanced tires also reduce tire life. More even wear yields maximum tread life to extend the takeoff mileage. Balanced tires last up to 40% longer than unbalanced tires, saving money on equipment costs while reducing maintenance expenses.



### SMOOTHER RIDE

### Smoother ride

EQUAL works continuously to balance tires and the rest of the wheel assembly, which dampens vibrations for bushings, U-joints, lights, batteries and overall truck suspension. Less wear-and-tear on the truck means lower overall maintenance costs for the life of the vehicle. A smoother ride also reduces driver fatigue and a comfortable driver is more likely to stay with your fleet.



### PRODUCTIVITY

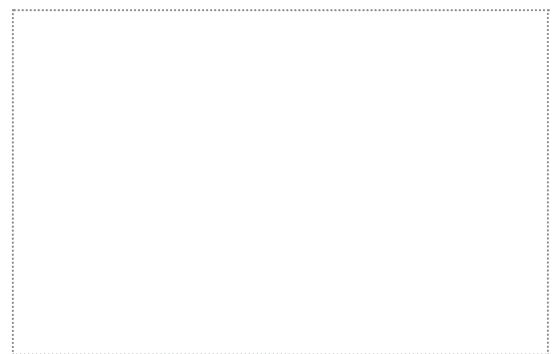
### Productivity

Fleet managers are charged with decreasing cost per mile. Every tire-related issue your fleet faces results in time spent in maintenance and repair rather than on the road. Each tick of the clock drives CPM higher. These costs add up quickly both in replacement equipment and in lost time.

**TPMS  
COMPATIBLE**



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