

## NEW! The VStream® Windshield

ZTechnik revolutionizes windscreen performance with its new VStream® windshield. While creating a comfortable ride for the BMW sport touring rider, ZTechnik introduced **QUIET** into the equation. To create **COMFORT**, other manufacturers will offer taller windshields and spoiler tops to lift the air stream. ZTechnik designed, for the first time ever, a windshield with airflow calculated and adjusted to quiet the rider's environment. In addition, VStream windshields are designed with



an unprecedented area of protection and an outstanding level of **DURABILITY and OPTICAL CLARITY** that is only available through the use of Quantum™ coated Lexan® polycarbonate.

### QUIET

The typical airflow pattern of the wake from most windshields is called a *van Karman vortex*. At speeds of 50-90 mph, the air swirls off the windshield in an approximate 90-degree segment of rotation, i.e. it rolls off the windshield, hits the bottom of the rider's neck on the way up, and curves off the shoulder at approximately 45 degrees. ZTechnik gave the VStream its name for the shape it takes at the upper edge. The "V" shape is so outstandingly quiet because it pushes this vortex out and away more than 4 inches from the side of the rider's head. The rider's helmet then resides in still air, and the passenger's environment is greatly improved as well.

### COMFORT

The advanced, patent pending "V" profile and three-dimensional contours of all VStream windshields create a calm and quiet air pocket for the rider. This improvement is notable for the passenger as well. Every aspect of finishing a shield will

contribute to the comfort level. That's why ZTechnik windshields have smooth radiused edges on 4.5mm-6.0mm thick material. These features and more make VStream the most comfortable windshield you can ride behind on a sport-touring BMW® motorcycle.

### DURABILITY and OPTICAL CLARITY

Thick Lexan® polycarbonate with our exclusive Quantum™ hardcoating – nothing can beat it... not even a hammer! See the next feature to learn why.

*Lexan® is a registered trademark of General Electric Company.*



We threw everything we had at our Quantum™ hardcoated Lexan® polycarbonate windshields.

See what happened!

[www.ztechnik.com/ztechNews/](http://www.ztechnik.com/ztechNews/)



## YOU Decide!

When you watch our video demonstration, you'll see why we manufacture our windshields from thick polycarbonate material. There is simply nothing that stands up to its strength and durability. Compared to standard acrylic windshields, polycarbonate is **20X more impact resistant** and **23X more crack resistant**. That's performance you can feel comfortable riding behind!

When our exclusive **Quantum™ hardcoating** is added, you get an unbeatable combination. This special hardcoating is a quantum leap beyond regular FMR hardcoated polycarbonate (it's **10X more abrasion resistant**) and it's light years beyond standard acrylic windshields (**30X more abrasion resistant**)!

*What does this mean to you?* Think about riding into the sun or at night and not having to look through the glare of fine scratches that eventually show up on your screens. Quantum coating gives your windshield much better **optical clarity** and **scratch resistance**, and your windshield will stay that way a lot longer. The longer you ride and the longer you own your Quantum coated windshield, the more you will appreciate this new coating.



*This is not what you want to see when facing oncoming traffic!*