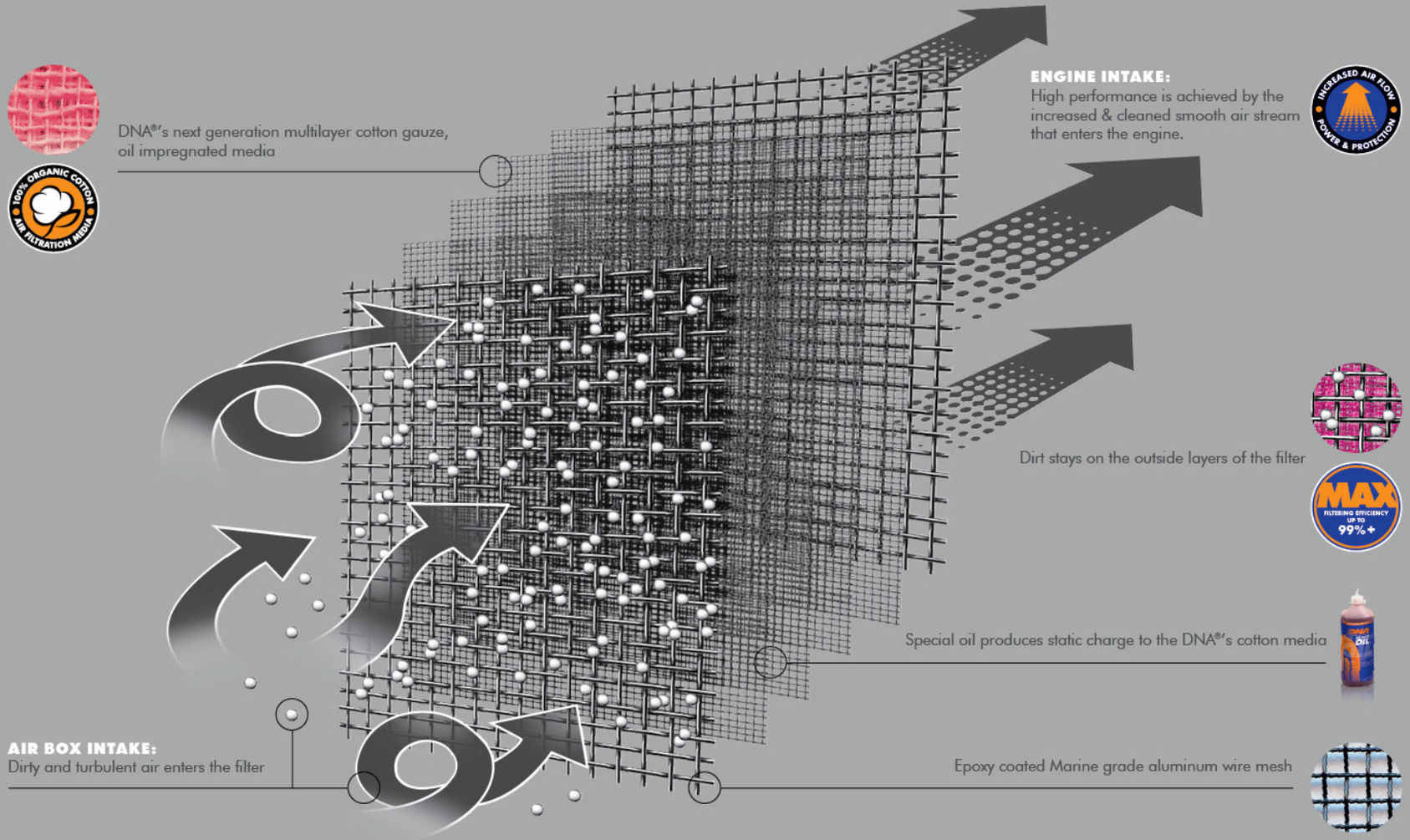
The DNA® High Performance Air Filter in action!

"It's a dirty job, but somebody has to do it!"
Find out how a DNA® High Performance Filter works to protect your engine efficiently, without compromising performance!



Human "technology" inspiration! **The technology** that our DNA® filter uses to clean the air is surprisingly common to all of us. It is part of our body; we use it constantly to stay alive! It is part of the Human respiratory system that filters the air we inhale! Tiny moistened hairs called cilia protect the nasal passageways and other parts of the respiratory tract, filtering out dust and other particles that enter the nose with the breathed air. The DNA® filtering cotton media is exactly that, millions of tiny fibers that are oiled! This "hairy hybrid" as we call it, is a genius combination of cotton fibers per square millimeter. The Tex & Thread, of this unique cotton, is a result of intensive research and testing, by DNA®'s development engineers. The "hairy hybrid" impregnated with DNA®'s special filter oil, is transformed into the remarkable DNA® media that provides very high filtering efficiency and extremely high flow rates.

Trap "enemies" by static charge! **We designed** the DNA® filter to aquire a positive static charge as the air passes through the pleated and oiled filter media. This weak static charge

will very effectively "pull" on the oiled cotton fibers, the debris and dust that are in the air; remember in science class at school, the pen rubbed against wool that can attract small bits of paper, experiment? This is exactly what happens, as air flows through the filter, debris even as small as 5 microns will change course and stick onto the fibers, regardless if the "holes" between the fibers can be as large as 150 microns! The first layer of debris on the fibers will then absorb some oil, get statically charged and become part of the filtering media! And guess what, it will start attracting new debris assisting the cotton media in its filtration chore! Finally, debris will continue building up on the surface of the filter, as air passes through, until it is totally covered.

Extreme testing environment **Our filters** have being successfully tested even in the harshest environment during the DAKAR Rally! Through Argentina, up to the Andes, and down to the Atacama Desert in Chile. The dreadful "Fesh- Fesh"(Guadal) fine powder desert sand of the Atacama Desert, was successfully kept out of the race engines, outperforming the foam filters! So the myth is busted, the DNA® filters can successfully be used in any environment, on and off the road, in the desert or the outback, DNA® will be there to protect you.

Here comes increased torque & power **The DNA® filter** will also smoothen out the air flow stream, as it passes through the filter, reducing turbulence and sending smooth clean & fresh air towards the engine intake, increasing torque and power.
Additionally to the high air flow, smooth and unified air flow is very important. This explains why we see a decrease in power output when testing a bike or car on the dyno "without" a filter as the circulation of air in the air box is disturbed and the result is turbulence and low power output.

DNA®: "Air Force"!

The DNA® Air Flow and Dyno tests. We test every single filter. Satisfaction guarantied.

The Air Flow Tests **For the air flow tests,** we use the most advanced flowbench available today. The ROTRONICS FlowScan, is a totally computerized flow bench that measures, Mass of the air, Flow of the air, Temperature of the air, Absolute air pressure, Differential air pressure, Speed of the air at various points (Pitot tubes), Absolute humidity of the air. The complete procedure is automated and computer controlled, eliminating human errors.

The Dyno Tests **For the dyno tests,** we use the industry standard Dynojet chassis dyno equipped with eddy current load control. Our dyno cell is equipped with a variable flow air cooling system, designed to precisely simulate real world conditions with air flow speed up to 280km/h and measuring up to 350 whp.