



NITRA 

NITRO



Vertigo is proud to present the Nitro, its new trials bike for the 2022 season. The Nitro, as the successor to the acclaimed Combat models, brings together all the experience and knowledge accumulated by the brand in the Trial GP World Championship and other prestigious events and Championships. With the Nitro, Vertigo continues to lead the technological evolution in trials with the most complete and technologically advanced motorcycle that the brand has manufactured to date.

The Nitro will be available from the usual Vertigo dealers network in Euro5 125cc, 250cc and 300cc homologated versions, as well as 200cc and 280cc competition-only versions.






**THE NITRO IS VIRTUALLY AN ENTIRELY NEW MOTORCYCLE THANKS TO
THE EVOLUTION OF THE FOLLOWING ALL NEW COMPONENTS**

NEW CHASSIS

The Nitro's new multi tubular chassis, is the fruit of hours of racing development, giving the new Vertigo superior agility and handling capabilities. Other advancements include a new micro-fusion shock mount, optimally positioning this essential component in the Nitro. The new and now unrestricted rear wheel travel, coupled with the new shock mounting point provide a greatly improved functionality and suspension feel over previous models.

NITRO ***Pros***

-  **SUPERIOR AGILITY**
-  **IMPROVED FUNCTIONALITY**
-  **NEW SHOCK MOUNTING POINT**



REDISTRIBUTION OF ELECTRICAL COMPONENTS

The Nitro places each of its electrical components in an optimal location, with two clear objectives: achieve the necessary cooling and improved accessibility. All electrical components are now protected but also highly accessible, making maintenance tasks a simple and efficient process.

NITRO Pros



ACCESSIBILITY



LOWER OPERATING TEMPERATURE




PLUG & PLAY COMPONENTS



NEW SILENCER

Another important advancement of the Nitro, is the all new silencer. The distinctive new silencer improves the thermodynamic performance, reduces engine breaking, whilst also allowing additional 5cm more of suspension travel, over previous models. Another major advantage is the removable end-cap, which allows for easy repacking of the silencer.

NITRO
Pros

 **IMPROVES SUSPENSION TRAVEL**

 **REDUCED HEAT TRANSFER TO ALL COMPONENTS**

 **INTERCHANGEABLE FIBERS**

 **REDUCED ENGINE BRAKE**

NEW FUEL TANK

The new fuel tank allows you to take advantage of 100% of its capacity. Filling will be safer with the Nitro, thanks to the design of a new tank that prevents the spillage of fuel towards the electrical components of the engine. The tank has also been repositioned slightly forward compared to previous models, helping improving weight distribution and thus stability. Vertigo's innovative and unique positing of the fuel tank keeps weight low and centrally located, therefore providing superior stability and traction over any other trials motorcycle available.



NITRO **Pros**

 **GREATER USEFUL CAPACITY**

 **ALLOWS FOR FITMENT OF LARGER DIAMETER SHOCKS**





 **IMPROVED WEIGHT DISTRIBUTION AND STABILITY**

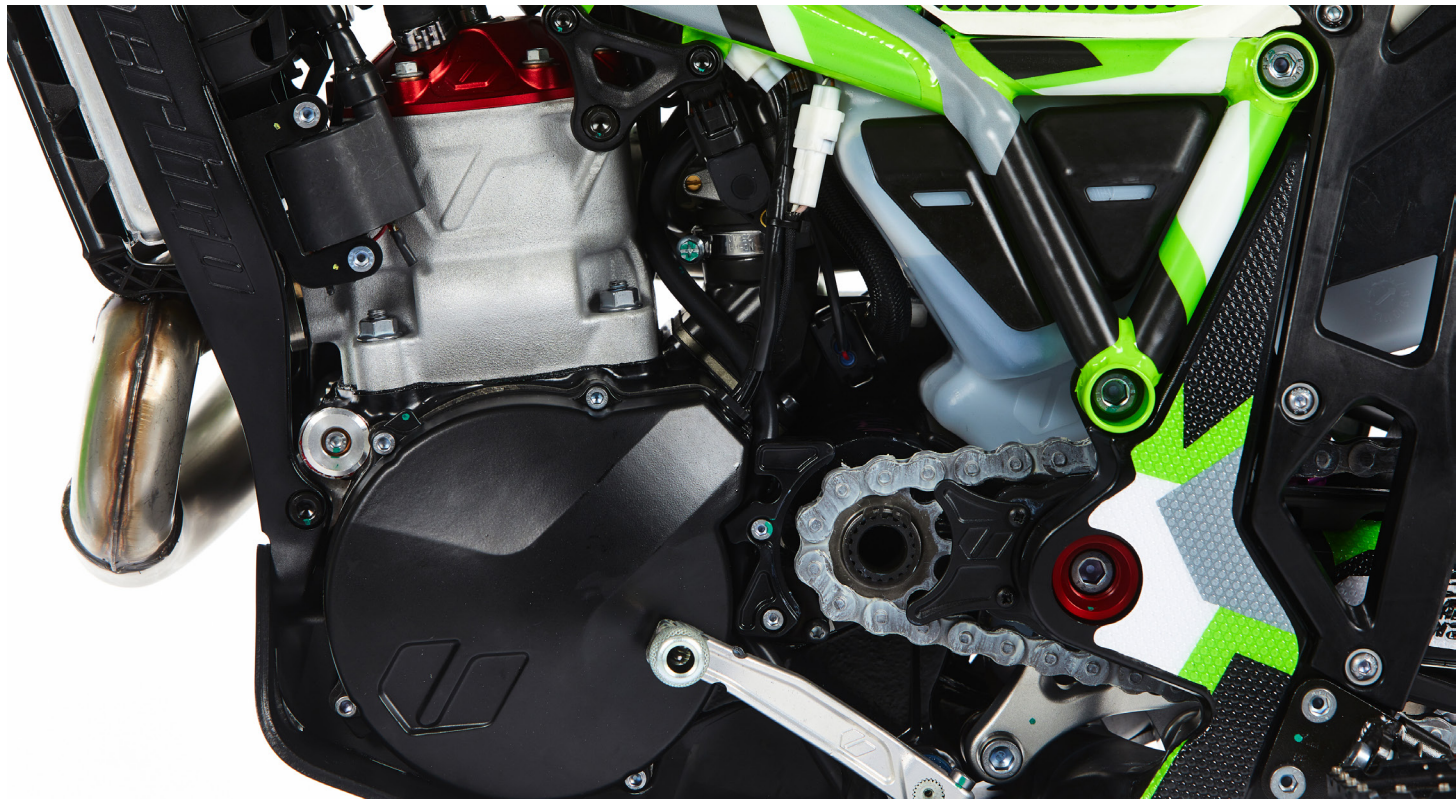


NEW WATER PUMP

The Nitro has a completely new water pump, more compact yet with a higher flow efficiency. This new pump is now also repositioned at the lowest point in the coolant circuit, meaning the system is now self bleeding, resulting in a more efficient cooling system.

NITRO ***Pros***

-  SELF-BLEEDING
-  GREATER EFFICIENCY
-  MORE COMPACT (IMPROVED PROTECTION)
-  IMPROVED ACCESSIBILITY





NEW ENGINE SKID PLATE

The Nitro has a new high-strength 7075 Aluminium skid plate. It is designed to offer maximum protection to the engine and the new location of components.

NITRO ***Pros***

 **GREATER PROTECTION**

 **EASILY REMOVED AND REPLACED**

 **GREATER DURABILITY**



NEW REAR BRAKE SYSTEM

The Nitro incorporates a new rear break hose, which is more efficient and the posing of which facilitates quick exchange of the complete break system, as well as improved access to the clutch of the Nitro.

NITRO ***Pros***

 **IMPROVED ACCESSIBILITY TO THE CLUTCH**

 **BETTER BRAKING PERFORMANCE**

 **QUICK EXCHANGE OF SYSTEM**

NEW PLASTICS

The all new rear mudguard, seat base and air box cover have been developed to give a more aggressive, racing appearance to the bike whilst also improving the riders mobility. They are also no longer affected by heat transfer from other components of the bike, and therefore always keep their original form.

NITR Pros

 NEW LOWER HEIGHT

 INCREASED RIDER MOBILITY

 NEW RACING APPEARANCE





SUMMARY

The Nitro has undergone a rigorous development programme, our team of engineers working closely with Jamie Busto, have been developing the bike during the past 12 months whilst competing in the FIM TrialGP World Championship, and other prestigious events and championships. The already revolutionary and technologically advanced two-stroke fuel injection Vertigo has progressed to a whole new level, and is now even further ahead of the opposition than ever before! If you demand the ultimate in technology, performance and quality, then this is the bike for you.