



Traditionally

INNOVATIVE

WITHOUT INVENTING ANYTHING, BUT MAKING THE USUAL ELEMENTS, WHICH MAKE UP A KART, PERFECTLY, THE FACTORY IN VENETO, NORTHERN ITALY HAS EVOLVED TO BECOME A CHASSIS MANUFACTURER.

REPORT E. LANA PHOTOS E. LANA - E. DI STEFANO



When we talk about the town of Noale, many think of the characteristic centre with a fort of this beautiful town in Veneto, northern Italy but, in an certain that people remember it better for the very famous APRILIA that has represented us in the panorama of world motorcycling for many years, while the karting panorama brings to mind a special acronym: AMV. These letters, born years back, in 1992, represent a factory that has gradually been appreciated more and more over the years for the quality of its products becoming an impor-

tant set up in the selective world of karting. AMV starts its activity making aluminium and magnesium rims for karts, working on these with the latest technical solutions, so innovative to make the firm stand out on an international scene in hardly any time at all. So, whether they wanted to or not, over the years, the staff at AMV spend their time in the "factory", making rims, and on the track testing them and, continuously working to improve them. The smell of fuel mixture for karts, we all know, often penetrates into you almost like the 'padana' fog, which is everywhere,



Surface finishing with coloured anodizzazione isn't just a matter of aesthetics, but the completing of a series of precise machining that make AMV manufacturing stand out: from rims to braking systems, from hubs to bearing supports and all components included even (what may seem) the most insignificant.

deeply and irremediably catching on in whoever happen to run into it. AMV gets so used to it that in 1999 it decides, seeing the kilometres raced on asphalt and the experience acquired, to give life to its own line of chassis.

In fact, soon, the first prototype comes out, which is soon homologated and with true intuition, the governing body of the firm decide to concentrate on the resources available in developing an only model, with the aim of being able to offer their clients a long lasting manageable chassis, and what's more at a very competitive price. Right from the start this turns out to be a winning idea for the factory, working very hard they hit bull's eye. In fact, we are seeing more and more of the special blue and white outfits representing the Venetian factory on the most important Italian tracks. Motivated and satisfied by the progress achieved AMV

"focuses" on the maniacal care taken in making each element and fitting each of its chassis not only with high performing rims but also with other fine details, such as magnesium accessories made from solids and very powerful braking systems. Until today, each chassis that comes out of AMV, is still mounted and made with the same spirit and quality of "craftsmanship" which is difficult to find in an atmosphere of globalisation that brutally absorbs anyone who wants to reach an economical-quality compromise. Over the last year AMV has been working to make a full range of components and accessories for karting to guarantee quality at 360 degrees for all its products.

The whole range will be officially presented at the next show on schedule.





PRODUCTION

RIMS

As an introduction AMV has always betted on quality and it has always worked hard to get it. Rims are made of aluminium (ALSI 7% SR primary) and magnesium (AZ91 always primary).

The speciality is machining, which is the result of fusion at low pressure followed by a full thermal treatment that gives the rims, both the aluminium ones and the magnesium, the high mechanical characteristics that makes them particularly resistant to stress.

In fact, if most magnesium rims break when they suffer a crash, those made by the firm in Veneto don't, they bend but remain intact without any pressure drop and in many cases they enable the driver to complete the race.

The fact that AMV were maniacal we already knew, but when we saw them testing each rim (one by one), before putting them on the market, with 4 Bar pressure, to be honest we were a bit awestruck. From all this we find that each driver can count on a capillary control of each element and the certainty that nothing is left to chance.

AMV also means that "looks count too", the vast range of rims is made up of various models and sizes (5 or 6 inches and the latter we had the opportunity of trying during our last track test with very good performance results) but also in the choice of captivating colours, being the same anodised in six different colours, to satisfy the "aesthetic" requests of



Among the various kart accessories, from hubs for wheels to hubs for steering wheels and crown bearers to gear sticks, AMV mainly concerns rims. These are made in various versions: aluminium or magnesium, with or without rims, for commercial use and for races.





Making all these components, accessories, only the bars for making the entire kart were missing: something that has happened, and in 2009 the also homologated the model F.01 R, which is available in different "degrees" of stiffness.

drivers. For example, one of the best parts, a beautiful chromed rim, and an innovation that is very unlikely to be found in any other production line.

No wonder the success of these articles is so great that, besides being distributed on a national level, AMV is also appreciated abroad "obliging" this firm to ship vast numbers of articles every day to nearly all European countries and also to the American, Australian and Southeast Asian countries, a new and important area..

CHASSIS

As already mentioned it is since 1999 that AMV started to make racing karts homologating both KF models and KZ models, that were an immediate success with drivers for their smooth drive style and adaptability to any environmental conditions. Last year, after having further improved some components and bearing supports the evolution of the F.01 chassis, made with 32mm tubes and available in soft or hart to adapt to any requirement, has been re-homologated.

The chassis are supplied with the new AMV braking system, which has proved to work well and very reliable from the very first tests. The cot of this chassis is really interesting and the resulting quality/cost relationship is superlative.

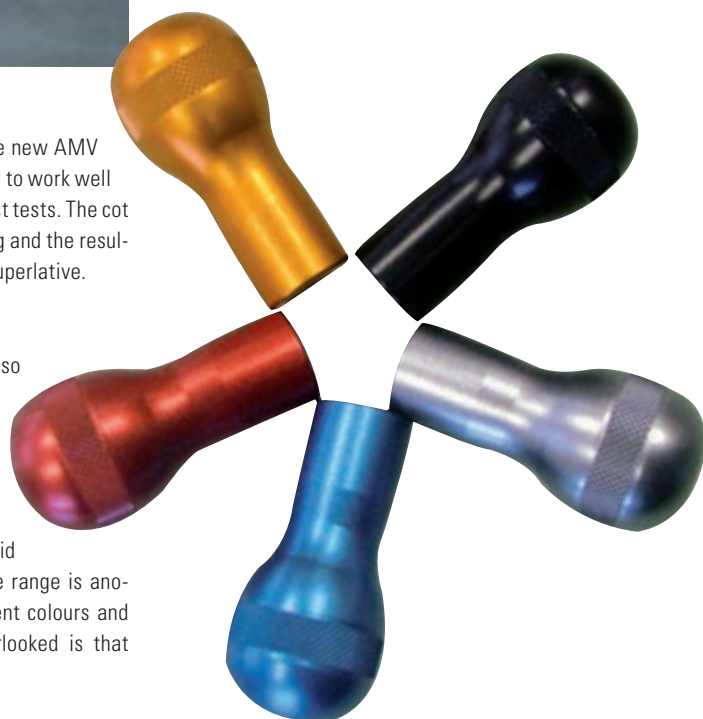
COMPONENTS

As we were saying AMV has also directed its attention to production of both aluminium and magnesium components for kart and always looked to practical and efficient solutions.

Everything is made from a solid as happens with rims, the whole range is anodised and available in six different colours and something that mustn't be overlooked is that everything is made on the site.

FUTURE

You can feel that things work at AMV immediately, like all that is necessary is just take a look at some lists of results to see that in the field





THE DISTINCTIVE CHARACTERISTIC IS MACHINING, RESULTS OF A LOW PRESSURE FUSION FOLLOWED BY COMPLETE THERMAL TREATMENT THAT GIVE RIMS, BOTH ALUMINIUM AND MAGNESIUM, THE HIGHEST MECHANICAL CHARACTERISTICS MAKING THEM PARTICULARLY RESISTANT TO STRESS.



of racing too, it won't be long before we start seeing the same success. Although at the moment, there is no official team in titled events, AMV supports various drivers who have stood out during the season getting good results in important events. AMV satisfied and motivated by all this is already preparing to set up an official team to compete in the most important events of the racing season and we are sure that the success will keep rolling in. Being "traditionally innovative" is a quality that always repays.

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AMV is a small factory in Noale (below) but it is well equipped with the latest machinery, in fact they get raw material (pani, bars and so on) and, after machining at the four CNC work centres and just as many numerically controlled torno, the components come out ready to be mounted onto the karts.

