

WPR TAKA is an example of Italian expertise merged to create a synergistic project for the production of PVC-U foil-wrapped profiles

Profile lamination Synergy from WPR TAKA

WPR TAKA is an example of Italian expertise, able to blend know-how, creativity and innovation, with results that are exported worldwide. The company was born when two different companies with complementary skills decided to merge to create a synergistic project for the production of PVC-U foil wrapped profiles.

On the one hand there was WPR, an Italian leader in the technology sector and a world leader in the design and construction of automatic and smart systems for the wrapping of PVC-U, aluminium and composite profiles and panels thanks to an environmental-friendly and efficient industrial process that requires a careful use of resources and raw materials.

On the other hand there was TAKA, a company active in the research and production of top quality chemicals that had created innovative Hot Melt PUR adhesives and primers that streamline the performance of increasingly sophisticated lamination machines, guaranteeing long-lasting results.

The results of this synergy allowed WPR to develop many technologically advanced solutions that cover all the possible operational requirements in the distribution, processing and service sectors connected to PVC-U, aluminium and synthetic material profiles. Some of the above solutions present technological advancements: the NWS 200.4500, for instance, was designed for those who need to integrate their production line with a compact machine that only requires a single operator for the wrapping phase. The NWS.300.5000 technology makes it possible to produce single bars with short preparation times thanks to the possibility of using pre-made set-ups on both sides of the machine. The new NWE.300.7000, on the other hand, is designed for the processing of small batches or larger production volumes. The NWE.300.7000 uses an innovative wrapping process that provides high quality results from a modest investment.



WPR's leading technology is, without doubt, the "Luna" system. It is a next-generation automatic lamination system which is a groundbreaking machine offered by the company, as it represents the best technology available on the market.

This machine was developed in cooperation with some of Europe's leading systems companies. As the requirement to offer the customer more combinations of coloured profile and smaller batch sizes increased, the Luna cuts lengthy set-up times significantly allowing a quick response to customer requirements. The applied technology makes it easier and faster to program the machine, with maximum set-up times of 8-15 minutes. Thanks to the automatic foil positioning and the exact glue dosing and primer application, the Luna also makes it possible to reduce production waste to a minimum. It is versatile and efficient and offers a production performance that boosts the corporate ability to compete.

Taka and WPR. Naturally glued together! - Taka are a true leader in the market of moisture-curing polyurethane hot melt adhesives (HMPUR). They also lead the way in innovation and the development of extremely reliable high performance solutions. Taka offers extraordinary know-how and application synergies with its sister company WPR. Three interconnected and

modern technologically advanced production plants offer the best solutions in terms of performance and quality, guaranteeing the complete integration of the production process. Taka has been cooperating for many years with leading universities in the research and development of materials, using a dedicated team of specialist laboratories, operators trained in polymer science and process chemists who all make it possible to scale up new molecules and materials. Each batch is checked by the quality lab, for a continuous monitoring of production.

The accurate selection of raw material and the special interest in new technologies led Taka to develop a range of high-performance Hot Melt PUR adhesives, for the internal and external use. The Taka product range offers outstanding performance and adhesive quality. The latest production plant, on a surface of 10,000 m² (TAKA 3), made it possible to double the company performance and for the group to invest heavily in research & development activities. The reward has been the recent launch of 2 new products to the TAKA range, for the production and wrapping of PVC-U windows:

- A new polyurethane glue (I308.20) that is RAL 176 certified
 - A new primer (WPN3), free from NPE, whose use in conjunction with the I308.20 glue makes it possible to obtain a decidedly high level of hydrolysis resistance.
- The full WPR/Taka range of products is available from our UK agent: Adhesive Solution Limited - www.profilewrappingsolutions.co.uk.