



APPLICATION STORY

tesa's in-line solution is just the ticket

A tesa dispensing and laminating solution using **tesa® 51970**, a transparent double-sided tape which provides a secure bond on rigid PVC materials, has been successfully used by a display profiles manufacturer to streamline its in-line production system and help increase volume output.

Application and Current Method

Once the extrusion process was complete and the continuous profiles were cool enough to handle, the company hand applied adhesive tape using a 50m roll of tape before the products were laminated.

Customer Issue

The manual steps involved in applying the adhesive tape and laminating the products meant the process was rather laborious and time-intensive. Downtime issues were also linked to the application as the frequent need to replace the shorter reels of adhesive tape being used also disrupted the flow of production and limited final output.

tesa Assessment and Proposal

When tasked with increasing production capacity on a specific line of profiles, the company turned to tesa for help.

A visit to the customer's premises involved the tesa team conducting a review of the current bonding application during which the team investigated options for automating the entire process.

The benefits of implementing a tesa dispensing and laminating system in the extrusion line with **tesa® 51970** were explored as a means of allowing the tape to run continuously and more efficiently.

In offering an excellent combination of high tack and adhesion on PP and PE materials, **tesa® 51970** was identified as the ideal solution for this type of mounting application.

Outcome

Subsequently, tesa's spool dispensers were fitted to the in-line system with 1500m rolls of 25mm **tesa® 51970**.

Commenting on the advantages of tesa's in-line solution, tesa's Area Sales Manager, Neil Walker, said "supplying the tape spool wound on dispensers has allowed rapid integration on the production line, resulting in greater time efficiencies, less downtime, less material waste and a significant increase in volume production."

With tesa's solution in place, the company is successfully meeting the increase in customer demand. Cost and time savings have also been achieved with the number of tape changes dropping significantly from an average of twelve to one per hour – equating to a saving of 12m of potential scrap in the same timescale – helping the customer improve performance and maintain their competitive edge.



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