

Controlled debonding: AUMOVIO and tesa's tape innovation for automotive displays

Babenhausen / Norderstedt, Germany – AUMOVIO and tesa have jointly developed a new solution for the mechanical integration of automotive displays. The innovative solution enables a **controlled, detachable adhesive bond** that simplifies corrections during production and repairs throughout the entire product life cycle, thus supporting a circular economy.

Smart tapes enabling effortless detachment

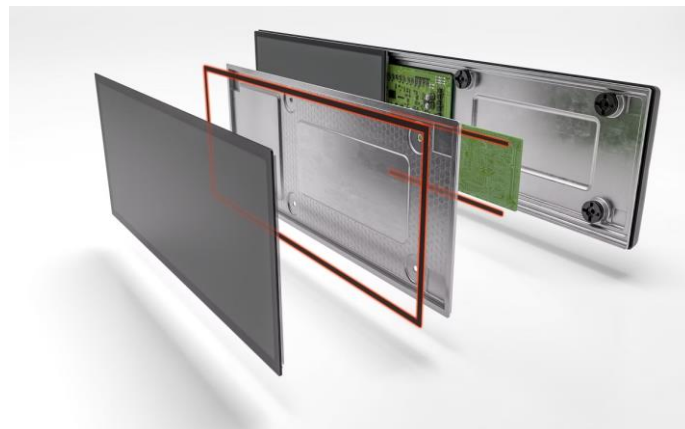
The new system combines the proven advantages of **viscoelastic adhesive bonds with properties that support circularity**. The bond requires no curing time and reliably compensates for material expansion across the full temperature range typically encountered in automotive environments. With a **tape width of only 2 mm**, it enables exceptionally narrow display bezels similar to those seen in smartphones.



*Effortless separation with advanced tapes
Image credit: AUMOVIO and tesa*

At the same time, the bond can be **detached as required**. Display assemblies can be selectively replaced or reworked during production or service without replacing the entire display module.

AUMOVIO and tesa use **adhesive tapes featuring debonding-on-demand technology**, which allows the bond to be selectively detached with little effort.



The controlled removal of individual components at the end of the product's service life

This facilitates the replacement of individual display units during the product's life cycle as well as recycling at the end of the vehicle's service life. AUMOVIO is already in discussions with **automotive manufacturers** on the implementation of **recycling and repair programs** for selected components.

With the official launch of the partnership, AUMOVIO and tesa are now preparing integration of this new solution into volume production for the second quarter of 2026.

Source: [AUMOVIO](#)