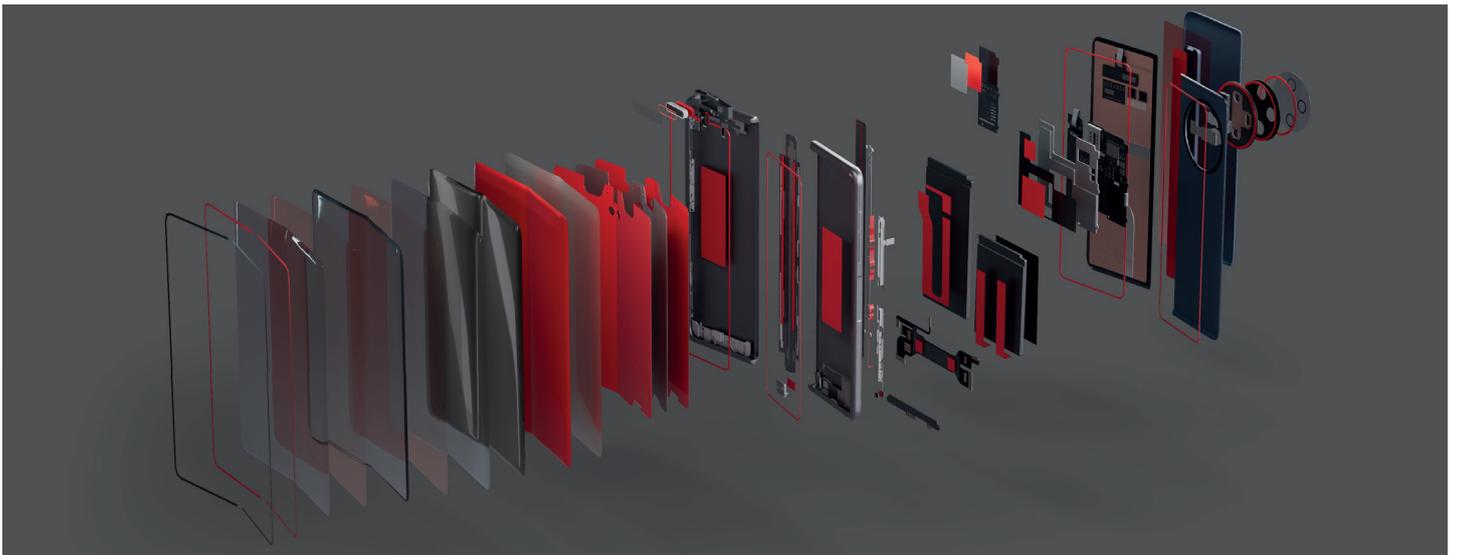


Slimmer, lighter foldable devices? Our adhesive tapes are the answer



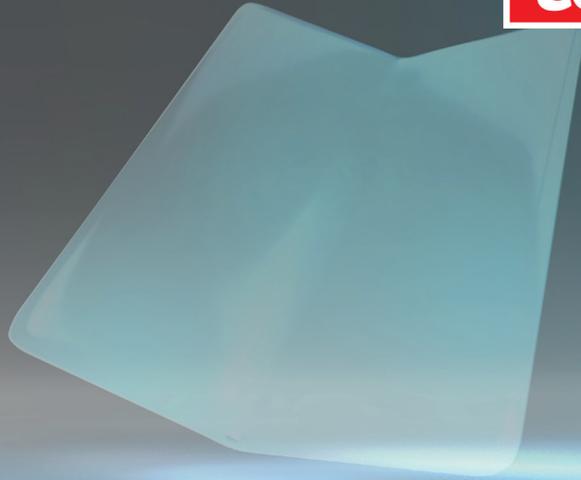
Opening up tomorrow's devices

At tesa our smart adhesive solutions are revolutionizing the foldable device market, with many of the world's best-selling phones now featuring our innovative tapes in their design. Our adhesives enable manufacturers to solve a range of technical challenges throughout the whole device and at every stage of its life cycle. At tesa we're here, ready to support you in your foldable phone ambitions, with our extensive electronics experience, global network of Customer Solution Centers and collaborative approach to problem solving.



Our whole device solutions

From initial concepts to reworking components, whatever aspect of foldable device production you're focused on, our adhesives are here to help your team achieve their goals.



Designing the future

As your partner in foldable devices our adhesive tapes can prove to be the answer to many of your most complex technical challenges - enabling you to develop the must-have phones of tomorrow.

1. Display bottom mounting

The foldable display is one of the most expensive and fragile components in a foldable device, and often needs reworking during the assembly process. To make this reworking easier, we have developed different solutions for display bottom mounting, ranging from heat removeable PE foam to Bond & Detach®. These solutions also support manufacturers in complying with 'right to repair' legislation.

2. Grounding and shielding

As foldable devices become slimmer, the dozens of components inside are moved ever closer to one another. Our electrically conductive tapes enable EMI shielding, grounding, high conductivity and gap filling, resulting in an effective performance from every component.

3. Thermal management

Unlike conventional Pressure Sensitive Adhesives, our Thermal Management PSAs are highly effective in dissipating heat and regulating device temperature. Each solution is designed to offer excellent thermal conductivity and surface wet out properties. This is particularly important in the slim design of foldable phones when the thermal requirement is higher. Our Thermal Management tapes are the perfect solution when mounting such key components as the vapor chamber.

4. Hinge mounting

In frequently held devices like foldable phones, the hinge areas are particularly vulnerable to chemical exposure. Our specialist tapes are designed to form a seal that protects the hinge mount both against adhesive penetration and the 'interface creep' that occurs between the adhesive and the component.

5. Battery Mounting

When design space is limited, our wide range of battery mounting solutions will help you achieve more. From reliable bonding and excellent shock resistance to our ultra thin PSA, and solvent-removable Bond & Detach® tapes that enable easy battery reworking, our adhesives are the answer.

6. Display lamination

Whatever the application our display laminations tapes provide a dependable solution. Produced in clean room conditions these optically clear adhesives enable reliable clarity and are designed to withstand continuous folding, ensuring greater device durability for customers.

7. Back cover mounting

To protect against harsh impacts our acrylic foam tapes provide durable cushioning and strong bonding capabilities. Their unique viscoelastic behaviour makes them the perfect material for shock control. These same properties also enhance a device's waterproof performance, providing greater longevity.



Get in touch and together we'll find the answers to your foldable device challenges.