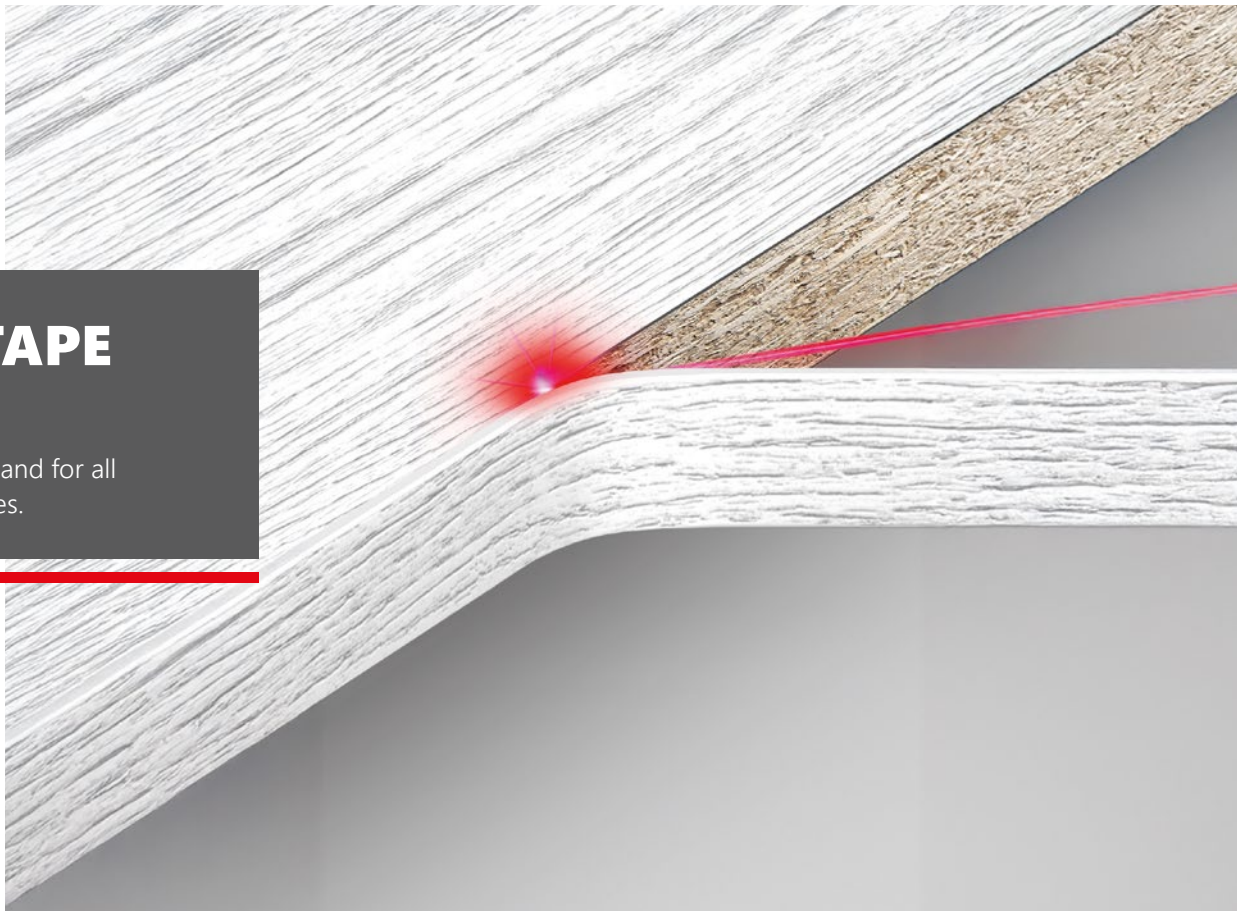




# ALPHA-TAPE ZERO®

The innovative edgeband for all  
zero-joint technologies.





## ALPHA-TAPE ZERO®

The zero-joint edge for the highest demands in modern interiors.

ALPHA-TAPE ZERO® is the innovative edgeband made by MKT, which can be applied with all currently available zero-joint technologies without any specific modification required. Based on our ecologically progressive ALPHA-TAPE® PP edgebanding, ALPHA-TAPE ZERO® features a special co-extruded functional

layer that is color-matched with the top of the edgeband and the pattern. When using laser, hot-air or NIR technology, this layer is precisely melted and bonds permanently and seamlessly with the panel material.

### ADVANTAGES AT A GLANCE

- **Jointless design:** perfect look due to harmonious transition and smooth connection between panel and edgeband
- **Maximum durability:** high resistance for furniture under heavy use
- **Clean processing:** without adhesives and adhesion promoters, as well as without color changes and adhesive residues
- **Versatile application:** in throughfeed technology or CNC/BAZ systems, as well as edging of complex molded parts

Whether in the office, in commercial properties or in high-quality furniture construction, ALPHA-TAPE ZERO® guarantees quality, durability and a flawless overall appearance. Available in plain colors (UL), decors (HR) and with metal effect (ME) as well as in all MKT refinement options – for furniture that combines function and design without compromise.

### AVAILABILITY

ALPHA-TAPE ZERO® is available in PP in numerous embossings. We offer thicknesses from 0.7 to 3.2 mm (including functional layer) and widths from 12 to 405 mm. The thickness of the functional layer is 0.2 mm.



## SEAMLESS. GLUELESS.

Three ways to the perfect zero-joint.

In contrast to conventional adhesive methods, with ALPHA-TAPE ZERO® there are no visible glue joints that can become yellowed or dirty over time. Zero-joint technology is ideal for all applications

where optics, hygiene and durability are essential. Whether for exclusive interior design, modern store design or high-traffic areas such as educational institutions or clinics – the right technology depends on

individual requirements and production conditions. Three established technologies are applicable to activate the functional layer:



**LASER TECHNOLOGY**

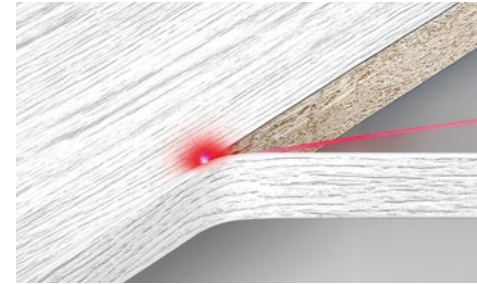


**HOT-AIR TECHNOLOGY**



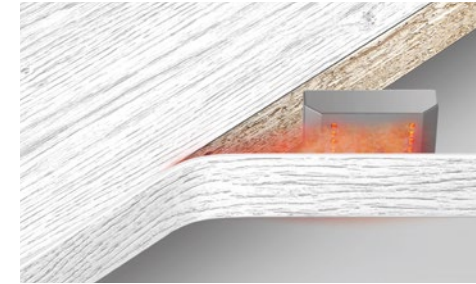
**NIR TECHNOLOGY  
(NEAR INFRARED RADIATION)**

### LASER



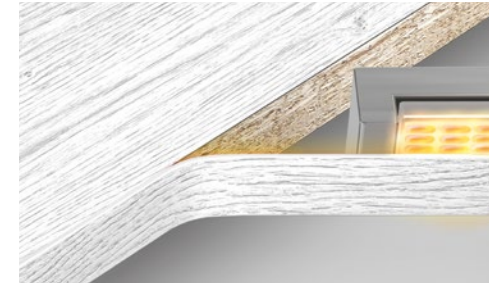
Using laser technology, a precisely guided laser beam heats the functional layer on the back of ALPHA-TAPE ZERO®. The edgebanding is then pressed under pressure onto the panel material. The result: a visually perfect and durable bond.

### HOT-AIR



The hot-air method uses heated, compressed air to activate and melt the functional layer. This permanently bonds the edge to the panel, creating a high-quality zero joint. This technology is ideal for the automated mass production of furniture components.

### NIR



The NIR technology uses short-wave electromagnetic radiation in the infrared range to heat the functional layer of the edge quickly, evenly and gently. This method is perfect for sensitive materials or flexible manufacturing processes.

## FULLY WELDED EDGE JOINT

The fully welded edgebanding solution.

ALPHA-TAPE ZERO® can be welded to itself, enabling a completely sealed finish. This means that dirt cannot get into the corner joints. The extruded functional layer is characterized by high material hardness, making the welded joint particularly resilient – ideal for heavy-duty applications.

At the same time, the calendaring process ensures consistently uniform layer thicknesses and cross sections in the cover and functional layers, guaranteeing high processing quality.

### ALPHA-TAPE ZERO® FOR TIGHT RADII

We offer a customized solution especially for office furniture with very tight radii:  
ALPHA-TAPE ZERO® PP!  
For edges up to 3.0 mm thickness.

ALPHA-TAPE ZERO® with welded edge joint

## EXCLUSIVE FEATURES

Highest quality in every detail.

ALPHA-TAPE ZERO® offers further advantages in production. Since no additional adhesive is required, there is no need for time-consuming coordination between edge material, bonding agent and adhesive. This reduces the cleaning effort for edged panels to a minimum. Even when changing colors, processes can be completed much faster without waiting times or setup

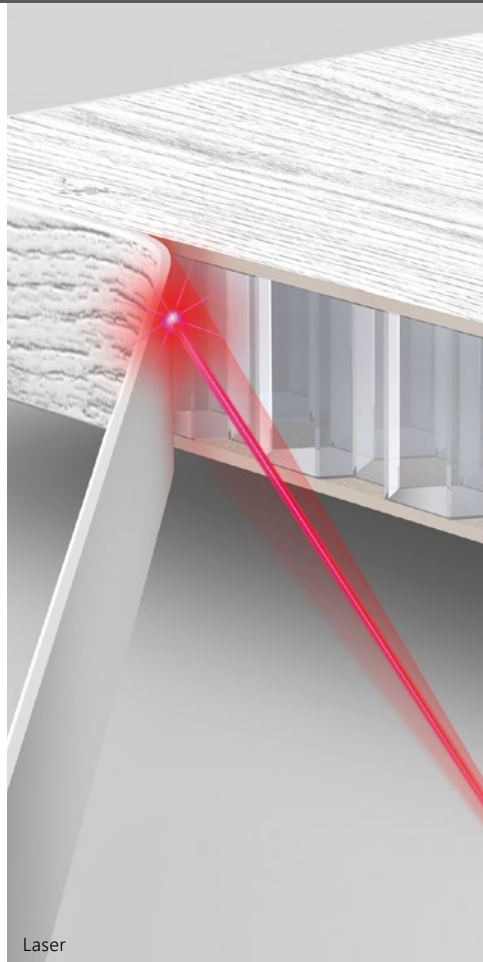
effort. ALPHA-TAPE ZERO® enables post-processing without smearing on CNC/ BAZ machines and also significantly reduces the use of expensive separating and cleaning agents.



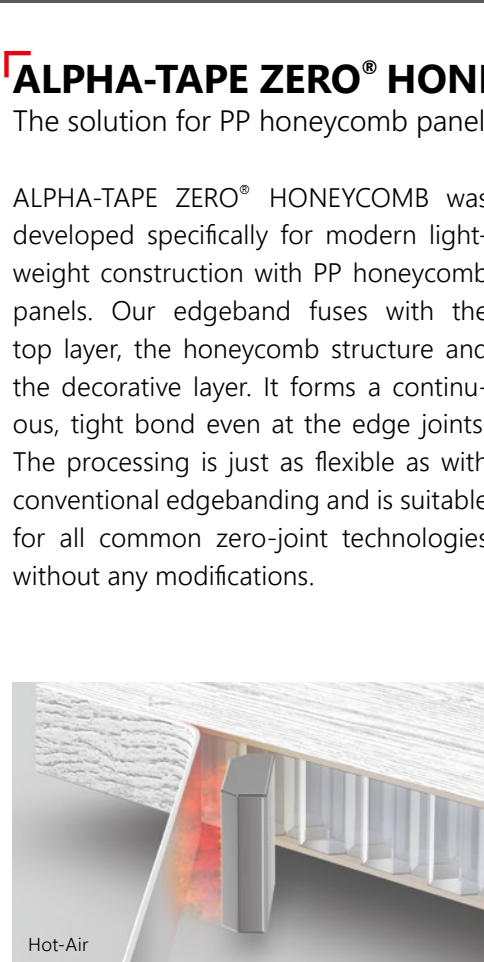
### ALPHA-TAPE® ZERO FOR PERFECTLY MANUFACTURED FURNITURE COMPONENTS:

- increased durability and quality
- visually and haptically high-quality transitions thanks to precisely coordinated functional and decorative layers
- even furniture parts with radii in perfect quality and without any visible joint
- protection of sensitive corner joints
- no signs of aging or wear marks
- improved heat resistance
- no penetration of moisture or dirt
- easy to clean

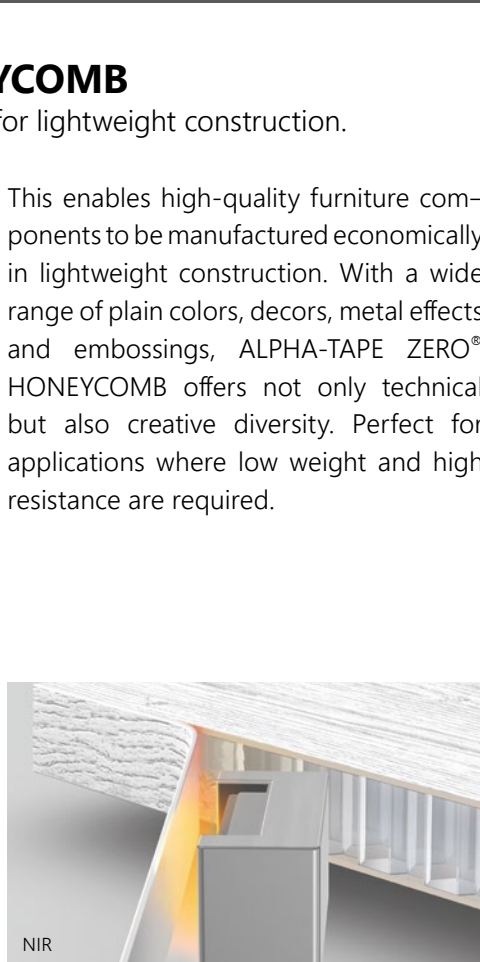




Laser



Hot-Air



NIR

## ALPHA-TAPE ZERO® HONEYCOMB

The solution for PP honeycomb panels for lightweight construction.

ALPHA-TAPE ZERO® HONEYCOMB was developed specifically for modern lightweight construction with PP honeycomb panels. Our edgeband fuses with the top layer, the honeycomb structure and the decorative layer. It forms a continuous, tight bond even at the edge joints. The processing is just as flexible as with conventional edgebanding and is suitable for all common zero-joint technologies without any modifications.

This enables high-quality furniture components to be manufactured economically in lightweight construction. With a wide range of plain colors, decors, metal effects and embossings, ALPHA-TAPE ZERO® HONEYCOMB offers not only technical but also creative diversity. Perfect for applications where low weight and high resistance are required.

### ADVANTAGES



lightweight construction



100% waterproof



durable



Indoor / Outdoor



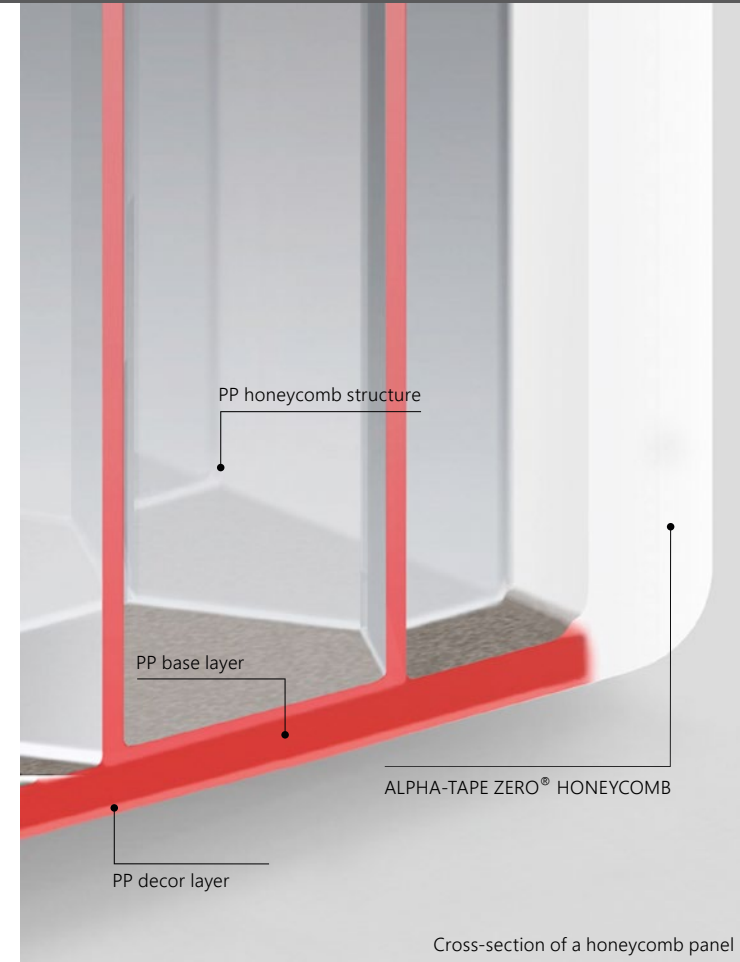
heat resistant



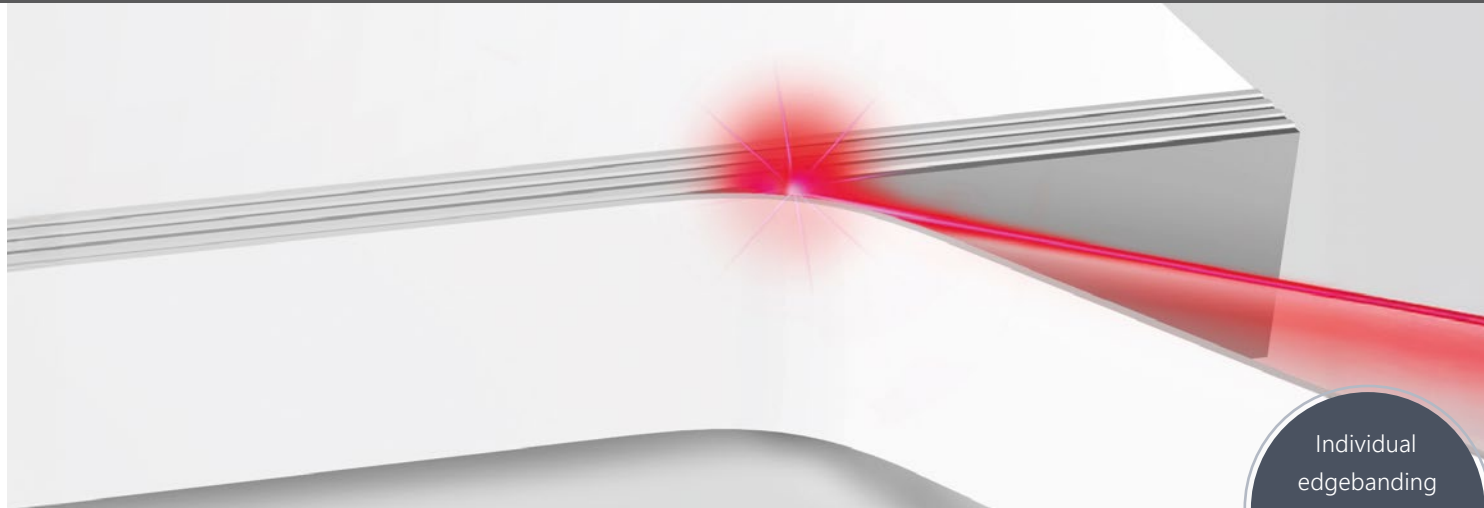
easy to clean



sustainable



Cross-section of a honeycomb panel



Individual  
edgebanding  
solutions from  
batch size 1

# ALPHA-TAPE ZERO® MULTILAYER

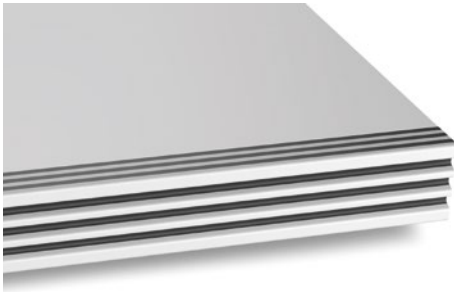
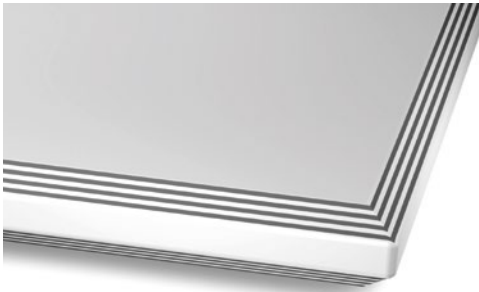
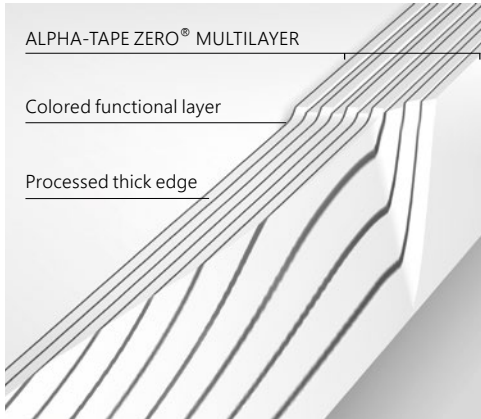
New scopes for design through multilayer processing.

ALPHA-TAPE ZERO® can be fully welded with our conventional ALPHA-TAPE® PP edgebanding and with itself. It is possible to process multiple, fully-welded layers on top of each other (MULTILAYER) and the

edging result will still remain even and homogeneous. Thanks to the weldable functional layer, the individual layers of ALPHA-TAPE ZERO® MULTILAYER bond seamlessly and permanently with

each other. In addition to its technical advantages, this process also offers a wide range of design options. Specific color and contrast changes can be achieved, for example, by using differently colored

edges or functional layers. In addition, the combination of different layers enables the creation of unique designs with a homogeneous appearance. Whether as functional protection, a striking accent or a decorative highlight, ALPHA-TAPE ZERO® MULTILAYER makes it possible.





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