Tailored Aluminum Blanks (TAB®)

A new way of combining lightweight properties with tailored solutions

In 2015, we succeeded in producing the first tailor welded blank made of aluminum for vehicle mass production; a new concept for lightweight design that supports a broader range of customer requirements. Tailored Aluminum Blanks (TAB®) can be designed for aluminum body and hang-on parts as well as structural components. The laser welding technology includes the targeted combination of different aluminum grades and thicknesses and offers a wide list of advantages: TAB® reduce even more cost in car body panels than a conventional tailor welded blank while meeting functional requirements at the same time.

Advantages of TAB®

- The right material in the right place reduces the part weight
- Cost reduction through optimized material utilization
- Reduced cost for tooling, manufacturing and bonding through part integration
- Lower cost for sealing through variable thickness step

Product Range

TAB® can be produced with 5,000 and 6,000 alloys in widths from 200 mm up to 2,000 mm and with thicknesses from 0.8 mm to 5.0 mm.

Applications

- Door inner panels
- Floor and side panels
- Front and rear members
- Tailgates

Please contact us to learn more about our products and services.