PREPARATION OF THE GLASS

1. Unstacking and cutting the float glass panels into break-outs.
2. Each break-out is cut to size and its edges shaped. For backlites and sidelites, drillings can be added according to the customer’s requirements.
3. Washing and drying.

WINDSHIELDS

4. An enameled edge is screen-printed on one of the two glass sheets for design and protection of the gluing onto the vehicle body. It also contains mandatory information and details about the glazing specification.
5. Pairing at the furnace inlet: positioning the two sheets of glass together on the same mold.
6. The two sheets are heated at more than 600°C in the furnace where they bend by gravity and are then gradually cooled.
7. At the outlet from the furnace, the two sheets of glass are separated, washed and dried.
8. In the cleanroom, a layer of PVB (Polyvinyl butyral) is inserted between the two sheets of glass.
9. Calender de-airing.
10. Depending on the customers’ specifications, brackets for cameras, rear-view mirrors and various sensors are glued.
11. Autoclaving: complete de-airing to ensure total adherence between the two glasses and the PVB film. At the end of this step, the windshields are completely transparent.

HEATED BACKLITES

12. An enameled edge is screen-printed (see step 4).
13. The functional components are screen-printed in silver heat-conductive paste (demisting network, radio, GPS or alarm antennas).
14. Heating and bending in the furnace at more than 600°C. Then tempering by rapid cooling to ensure the glass’s mechanical strength.
15. Welding the various connectors.

SIDELITES

16. The mandatory information and details about the glazing specification is screen-printed.
17. Heating and bending in the furnace at more than 600°C, then tempering by rapid cooling.

INSPECTION AND PACKAGING

18. Complete final inspection.
19. Packaging and preparing for transportation.