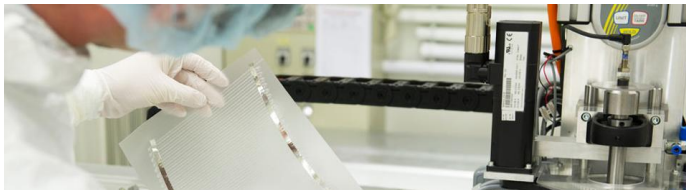


## Ready-to-assembly heating and antenna PVB sheets

### Heating Fields

Hotlineglass is producing in his three up-to-date clean rooms with a total area of about 400 m<sup>2</sup>, from high OEM volumes to small prototype applications. All PVB sheets are ready-to-assemble for customer and can be used for automotive, railway, aviation, architecture or other special glass solutions.

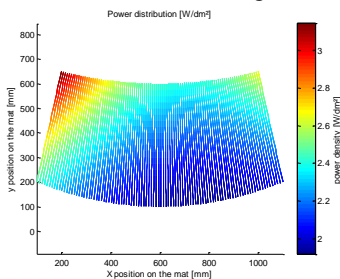
The production process of Hotlineglass for heatable and antenna PVB sheets is DIN ISO 9001:2008 certificated.



Our heating field's calculation experience had been included in our own Hotline-Calculator, this allow us to design heatable PVB sheets according to customer requirements for ready glass in every free CNC contour. The close cooperation with Hamacher Maschinenbau allows us, to develop for every special application the necessary know-how.



Calculation of heating field



In the production is used Tungsten wire down to 16µm and busbars in different versions from 6mm to 12mm width.

According to

customer's requirements we can complete every PVB sheet with connectors or plugs, and check every heating field for 100% function.

You need also to cut the PVB sheet? With the by Hamacher developed CNC cutter for PVB we also cut exactly in free CNC contour the sheet.

### Antennas in Windscreens

The PVB sheets with applied antenna wires are a very special production.

Hotlineglass has designed his own special machines, which allow using copper wire down to 76µm in every complicated necessary free CNC contour.

The maximum tolerance of +/-0,5mm guarantee, that the later laminated PVB sheet will have the perfect layout and function inside of ready glass.

According to the customer's requirements the antenna PVB sheet can be completed with a connector or plug, afterwards whole system gets 100% checked.



Production:

Three up-to-date clean rooms

Production area:

Total 400m<sup>2</sup>

Production capacity:

From small to big volumes

Process:

DIN ISO 9001:2008 certificated

### Contact:

Hotlineglass GmbH  
Warmweierstraße 50  
52066 Aachen  
Germany

Email: [info@hotlineglass.com](mailto:info@hotlineglass.com)

Phone: +49 (0) 241 94683 0