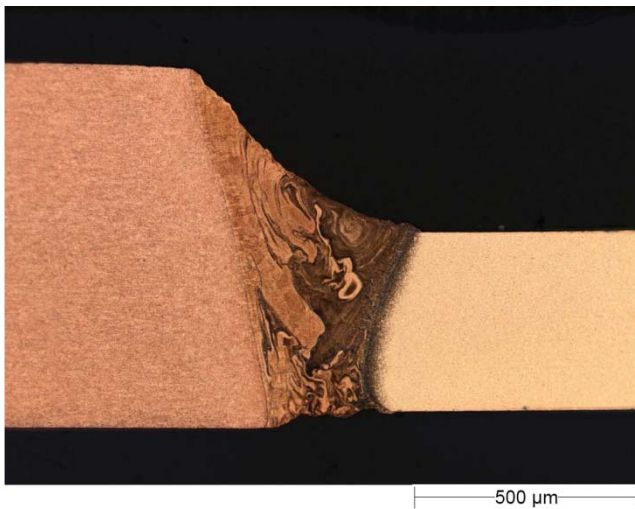


## Heraeus AISi:Bond EBW

### Various Materials and Expertise in Metals in One Strip

The longitudinally welded strips of the Business Unit Packaging Technology are manufactured with the aid of electron beam welding. The advantages of this process are well known: high energy density, deep penetration in the material, clean seams and good seam filling. Significant advantages result from the welding process: various metals with different conductivities can be combined, and this technology enables diverse combinations of metal and/or non-ferrous metal alloys or materials.



It is also especially worth mentioning that, by means of this technology, various partial thicknesses in the strip can be achieved – in combination with **Heraeus AISi:Bond**. This saves material during stamping and, in interaction with an ingenious component design, in subsequent process steps, such as stamping or the complex milling of stepped strips.

Special characteristics of EBW strips:

- Very good welding and mixing of the melt during the EBW process
- Welding of two strips with different thicknesses
- Combination of different Cu alloys
- Combination of **Heraeus AISi:Bond** with copper high performance alloys

### Examples of material and strip combinations:

