

AUDIO MOBIL Optical bonding

We manufacture display and touchscreen components in an ISO 6 class clean room with the highest repeat accuracy and outstanding quality. When specifying materials, we rely on our collaboration with the silicone specialist Starlim and its decades of expertise in processing liquid silicone.

AUDIO MOBIL manufacturing process

Optical bonding

Semi-automatic production process:

- Manual placement; automated application of joining/sealing compound; automated joining process for individual components
- Automated sealing Display, plasma treatment

LOCA bonding

Production in a clean room (ISO class 6)

High system flexibility (strategic focus on annual volumes of up to 20k)

- System concept according to automotive standards
- Automated material preparation and dosing
- Process sequences according to automotive standards

Bonding of glass / touch / display

We use special liquid silicone for display production, which guarantees excellent optical clarity and increased resistance thanks to its natural bonding. LOCA bonding achieves top image quality while increasing durability and reducing reflections.

AUDIO MOBIL^{Founded 1989}
Interactive Thinking





Advantages of optical bonding

1. Reduction of reflections
2. Improved contrast and image quality
3. Increased robustness
4. Avoidance of condensation
5. Better touch performance

During the development of the bonding process, extensive expertise flows into the design of the dosing cells and the vacuum chamber. This ensures maximum repeat accuracy and therefore excellent quality standards - from individual items to series production.

Our cleanroom experts make a positive contribution to sustainability by wearing reusable cleanroom suits.

AUDIO MOBIL offers optical bonding specifically for use in the automotive sector. We also have solutions for industrial bonding applications with increased requirements such as:

- Medical technology
- Display distributors
- Military and outdoor
- Aviation industry
- Seafaring
- Agricultural machinery