



Pressed three-dimensional moulded parts offer excellent dimensional stability with a low weight. In addition, special substrate materials offer very good acoustic properties. Depending on the required edge design, a waterjet trim or the bending process is used. The wide variety of materials, decorations and processes enable an attractive design and a high level of product individuality.

✓ DESIGN

Basis

- 3D volume data
- interfaces: IGES, STEP
- CAD system: Solid Works, Inventor

Maximum component dimensions

- approx. 2.000 x 2.000 mm
- depending on the component geometry

Tools

- pressing tools, depending on series size: aluminium tools, synthetic resin tools
- temperature control (optional)
- trimming bowl for waterjet
- programming waterjet
- control gauge
- 3D measurement report (optional)

✓ PRODUCTION PROCESSES

One-shot process

In the one-shot process, the component is pressed and laminated with the textile decoration in one work step. With subsequent trimming, the component edges are no longer covered with decoration.

Bending process

In the bending process, the pressed part is produced and trimmed in a first work step and then the textile decoration is laminated. The cutting edges are covered by the decoration.

✓ PROPERTIES

- simple assembly
- light, with excellent dimensional stability
- acoustically effective
- flammability (depending on grammage/density)
- DIN EN 13501-1 Fire class B, s2 und d0
- flammability complies with ISO 3795 and FMVSS 302
- recyclable