abatek
CREATING INPUT SOLUTIONS

Polyform

Description

Polyform 3D is a new human machine interface technology. It generates a customized 3D shaped panel geometry with a high quality Polyurethane surface.
It can integrate control and display elements.
Polyform 3D consists of 3 main layers:

1. Crystal clear Polyurethane over mould
2. Flexible decorated TPU sheet
3. Hard plastic back injection moulded

When safety is of mandatory importance, the buttons can give the operator the needed tactile feedback.

Advantages

- Closed easy to clean surface in 2D or 3D
- Tactile buttons
- LED back illumination, deadfront graphics
- Integrated (touch) display
- Matt & glossy surface combinations possible
- 3D embossed buttons with glass depth effect, logos, etc
- Touch function can be integrated also for buttons
- 100% water proof
- Scratch resistant / self healing surface
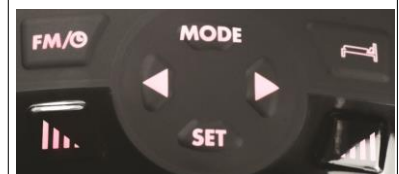- Chemical resistant surface

Applications

- Mobile phones
- Consumer applications
- Any modular application
- Closed Surface applications like medical, doors, etc.

Key Tech. Data

- >500k cycles

Combined matt & glossy surface

Contacts