

THE KEY TO SUCCESS

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...
**OUR CORE
INGREDIENTS:**

**Collaborate. Pioneer.
Technology.**

At KTM Technologies we find own solutions for involving 3D printing in an useful and practical way. With our own tooling systems and diversified know-how for the best applications, we create true user benefits.



PLEASANT TO WEAR

Comfort lattice

The additively manufactured human machine interface (HMI) is a printed flexible pad, consisting of a unique engineered lattice structure.

Advantages

- _ better air circulation because of lattice structure
- _ pleasant-to-wear sensation
- _ dermatological proven
- _ adjustable force-deflection
- _ reduction of pressure marks



Sector

- _ consumer goods
- _ medical orthopedics

Challenge

Reducing heat transfer to a minimum, improving ventilation, hence minimizing perspiration and therefore maximizing next-to-skin comfort.

Materials

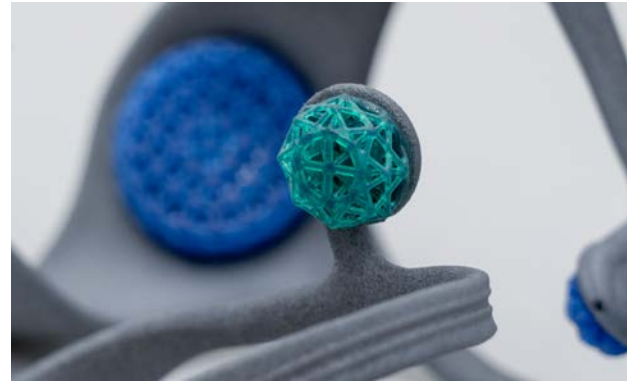
- _ elastic thermoset polymer resin

Process

- _ digital light processing (DLP)

Solution

Developed an engineered lattice structure by utilizing high-flexible photopolymer resins and fast printing process with maximal printing resolution.





DRIVEN BY THE NEW

in cooperation with

GENERA.

 POHLIG

 **BASF**
The Chemical Company