

IMPACT PRINT

Delta Three Oscar™ uses rate sensitive, soft and flexible D3O® materials for shock absorption and impact protection applications.

D3O® Impact Print™ is the state-of-the-art new process for printing D3O® impact protective material directly onto materials or fabrics – allowing for the next generation of impact protection products.

Complete design freedom

Impact Print™ allows complete design freedom, enabling production of Delta Three Oscar™ parts with greater detail and complexity than ever before. The process behind this material technology means that complex, fractured and tactical surfaces, previously not achievable with traditional manufacturing methods, are now possible.

Impact Print's extreme design freedom means you can couple protection with muscle support, adding tension when and where it is needed. The garment and protector are no longer separate.

Limitless substrate opportunities

Impact Print™ can utilise a wide range of substrates (e.g. mesh, 3D spacer, elasticated) but unlike traditional protection it will no longer inhibit comfort, fit, thermo-regulation, durability.

Unrivalled flexibility

Impact Print™ produces the most flexible protection on the market. As the protective geometry does not need to be inter-linked, flexibility of the part is defined only by the substrate.

Impact Print™ produces parts which can be created fully trimmed, with a defined flange or as much excess substrate as needed for easy integration. The part can even be printed without a substrate backing if required.

PRODUCT FEATURES

- Vast geometry options
- Reliable bonding on diverse substrates
- Accurate and intricate details for form or function
- Wall thickness and heights can range from as low as 0.5mm up to 20mm
- Geometry can be tuned to create desired stiffness
- Build a visual technology story by exposing the protection

