SPN-TEC

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Hosted by: Sam van Dalen - Graduate ArtEZ Arnhem

Project Information (EN)

SPN-TEC

SPN-TEC is a collection of 100% recyclable shoes that are deviating from the visual stereotype of sustainable design. They are a derivative of my previous project PIN-TEC. An average shoe is made up out of 62 individual panels that are glued, sewn or nailed together and that are very difficult to take apart. Making it almost impossible to recycle them. The SPN-TEC shoes are completely digitally designed and are constructed with zero glue, zero stitches and zero material contamination while still using the same materials as our current everyday footwear. The SPN-TEC system introduces a digitally sculpted footwear collection embodying zero material contamination, full recyclability, and complete transparency. Beyond its sustainability, the collection boasts visual allure, harmonizing eco-consciousness with aesthetic appeal.

PRODUCT PASSPORT

Each shoe contains an NFC tag that holds a digital passport for the shoe, containing material origins, information on production waste as well as 3D-print files to be able to make repairs or alterations yourself. This tag contains all the info a manufacturer would normally keep a secret to show that SPN-TEC is a 100% transparent project.

CONSTRUCTION

The shoes are held together by the SPN-TEC module that contains a ratchet system and 4 cables that connect to the 3D-printed rubber outsole cage. This semi flexible outsole wraps around spikey PU foam midsoles where the spikes protrude through the cutout holes in the cage to firmly connect them to each other. These midsoles are poured with liquid foam in 3d printed moulds. Some models have EVA uppers that are vacuum formed and heat welded. A specific structure made out of recycled soda bottles is used to hold the whole shoe together and make it adjustable.

Image List

Filename	Caption	Credit
heel-spn-tec-zoom1_1725139241.jpg		SNIRP AMSTERDAM
3spn-tec_1725355678.jpg		SNIRP AMSTERDAM
1spn-tec_1725355698.jpg		SNIRP AMSTERDAM
5spn-tec_1725355711.jpg		SNIRP AMSTERDAM
2spn-tec_1725355763.jpg		SNIRP AMSTERDAM

The images above are included in the ZIP under `/images`.