

May 17, 2024

Sustainable production based on individual demand: DITF present the Digital Textile Micro Factory at drupa

Together with international partners from industry and research, the DITF are presenting the Digital Textile Micro Factory at *drupa's touchpoint textile*. A fully networked on-demand production of sports products will be presented - from virtual design to the finished product.

One highlight is the material buffer between the printer and cutter, which links the continuous printing process with the step-by-step cutting process. At the end of the production chain, a robot arm sorts all the cut parts belonging to a product, such as the front and back sections, sleeves and collar trim of a T-shirt, into the corresponding boxes. Manual handling is only necessary in exceptional cases.

In future, digitally networked design and production chains will make it possible to react quickly and specifically to customer wishes and trends. This approach protects the environment and conserves resources: instead of producing mass-produced goods for the trash, the products are tailored precisely to requirements. At the trade fair, the carbon footprint from virtual development to the finished product will also be determined and explained using a model.

drupa is the world's leading trade fair for the printing industry and the meeting place for the international print & packaging sector. It will take place from May 28 to June 7, 2024 at Messe Düsseldorf.

The *touchpoint textile* is located in Hall 4.

PRESS RELEASE

May 17, 2024

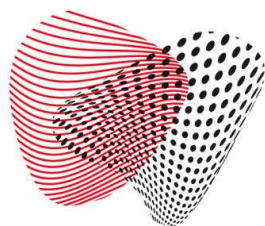
DITF

DEUTSCHE INSTITUTE FÜR
TEXTIL+FASERFORSCHUNG

Further information: Alexander Mirosnicenko
Center of Management Research
T +49(0)711 9340-454
E alexander.mirosnicenko@ditf.de



Automated cutting of individualized garments on a single-ply cutter. Photo: DITF



drupa
touchpoint
textile

