



TracXon

<https://www.tracxon.tech/>

3D printed tools and moulds with imprinted electronics

TracXon B.V., founded in 2021, produces hybrid flexible electronic products through roll-to-roll printing and component assembly. The company is a spin-out of TNO Holst Center and has unique knowledge in the field of electronics printing, lamination, curing and component soldering. This knowledge is necessary to deliver hybrid printed electronics on a large scale with the right quality. TracXon has set itself the goal of translating “printed electronics” prototypes into makeable/scalable processes that they carry out themselves and deliver to the health care, automotive and domestic market. TracXon transforms Hybrid Printed Electronics from a niche technology to a mainstream cradle-to-cradle sustainable manufacturing technology through continuous process and product innovation. The design rules used by TracXon are based on the latest “beyond-state-of-the-art” processes for printed electronics. There to TracXon has acquired and installed a R2R screen printing line and assembly line both operating in a cleanroom class 8 environment following ISO9001 and ISO13485 (medical standard).

In the 3DOP project TracXon has developed **circuitry printing systems on high resolution**, including component placing (assembly) **on foil in large area (R2R) format**. These foils are easily integrated into 3D objects for sensing, data-acquisition and signage.

Interests for Tech Demonstration:

- Demonstration opportunities for the printing process
- Applications targeting Circularity in manufacturing
- Follow up projects/demonstrators