



Winner of the
productronica
innovation award 2021

Cluster PCB & EMS: iO Tech – io300s

Words of praise from Dr. Andrej Novikov, University of Rostock

With the C.L.A.D. (Continuous Laser Assisted Deposition) technology, company IO Tech succeeds in going its own original way in a very dynamic and relatively new area of additive manufacturing.

The in-house developed and multi-patented technology enables the application of materials commonly used and certified in electronic industry such as copper, dielectric, solder mask, solder paste, adhesives etc. with high precision and high speed. This enables not only prototypes but primarily real electronic modules to be produced in series using additive manufacturing.

The combination of different materials like polymers, metals and ceramics that can be applied, concurrently allows nearly unlimited product design. Besides that, the eco-friendly production in comparison with traditional processes and its low maintenance costs make the system io300s very attractive and well equipped for sustainable production.

The addition of multifunctional in-line post-processing steps such as UV or thermal curing and laser sintering and ablation offers a high degree of flexibility for electronic manufacturing and makes the system io300s to a stand-alone factory for future products.

System io300s from company IO Tech is a real innovation and a multiplier for creating more innovative meta-materials and electronic products in the future.