

denovoCast

Closed system automation for tissue engineering

CUTISS GraftBox
designed by csem

Closed system automation for tissue engineering and regenerative therapies

From research to the clinical environment

CSEM creates customized solutions that translate manual workflows into automated processes. Handling cells in a closed system reduces the risk of contamination and ensures product quality. Moreover, automatizing the maintenance of micro-physiological systems ensures procedure standardization.

CSEM Tools for Life Sciences

- Custom labware design
- Advanced microstructured components
- Assembly capabilities for polymer and hybrid materials
- Injection molding prototyping
- Cutting-edge microfabrication (cleanroom facilities)
- Laboratory automation
- Biovalidation of technologies in biosafety lab level II

denovoCast – Automated skin tissue formation machine

Developed in collaboration with CUTISS AG, the denovoCast machine demonstrates the feasibility of automating bio-engineered skin manufacturing processes and seeks to revolutionize the treatment of severe skin defects.



In partnership with



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