

Portable,  
Wearable,  
Mobile

Home use,  
Labs,  
Hospital

Disposables  
with complex  
features

Design for  
manufacturing

# Design & Manufacturing

  
Creative  
eurecom

 **bürkert**  
FLUID CONTROL SYSTEMS

## Objective for Creative Eurecom

Develop for Alaxia a secure mini-plant for manufacturing short-lived cystic fibrosis medication at the patient's home just before taking it.



### Feasibility

Project technical and economic qualification. Planned risk management to ensure the manufacture of a safe drug (failure, process problem, or misuse ...)



### Development

We have fully designed the machine and its disposable consumable up to industrialization and production.

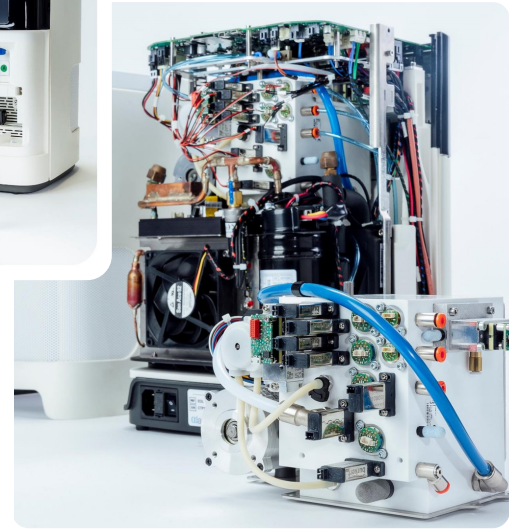


### Industrialization

Manufacturing (Pré-series here) with the control of economic, regulatory and reproductibility constraints.



alaxia



## An efficient collaboration with Burkert

For this disruptive device, Creative has imagined a new way of drug producing by handling sterile liquid and powder only using air pressure. The idea behind was to secure the process, while keeping the device as compact and light-weight possible. Burkert has offered his experience to design a specific miniaturized pneumatic sub-system, offering pressure and flows accurate generation and regulations. Iterative and supportive design from Burkert has allowed to develop and industrialize this sub-system in a very challenging delay.

## A pneumatic system to handle the drug synthesis

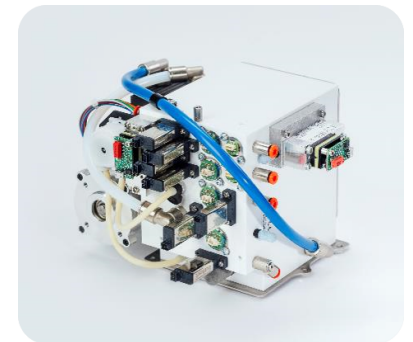
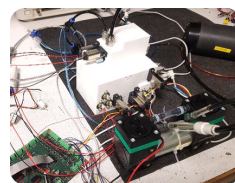
The strong collaboration with Burkert's team allowed to develop a **pneumatic system** :

**Performant**

**Reliable & safe**

**Compact & light-weight**

**Silent**



Certifications

**LRQA**  
CERTIFIED

ISO 9001-2015

**LRQA**  
CERTIFIED

ISO 13485



FROM IDEA...  
TO INDUSTRIALIZED PRODUCT

[www.creative-crossway.fr](http://www.creative-crossway.fr)