

REGEN+U

# THE R - GEN 100

THE PLATFORM FOR PEOPLE EVOLVING MEDICINE

# CONTENTS

- 1 INTRODUCTION TO R - GEN 100
- 2 DEDICATED CUSTOMER SERVICE
- 3 A PERSONALIZED APPROACH
- 4 TECHNOLOGY CONVERGENCE
- 5 PRECISE INSTRUMENT CONTROL
- 6 CONTACT US

R - GEN 100  
3D BIOPRINTER

BRINGING THE FUTURE CLOSER BY  
REVOLUTIONIZING MEDICINE  
TODAY



# OUR DEDICATED CUSTOMER SERVICE

Our specialist teams are committed to supporting you throughout your journey. Being on hand for one-on-one guidance at each step we will enable you to achieve your goals in the most efficient and dynamic way.

## REGENHU BIOPRINT ACADEMY

This is the place for new users to learn their trade and existing users to enhance their skills

## CUSTOMER EXPERIENCE

Our dedicated technical engineering team are available with support via their hotline, from initial installation and beyond

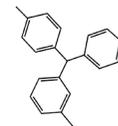
## SCIENTIFIC ADVISORS

Experienced advisors guide you to your perfect instrument configuration, advise on protocols and biomaterials and smooth over any bumps in the road you may encounter

## 1 REGENERATIVE MEDICINE



## 2 DRUG DISCOVERY



## 3 TISSUE ENGINEERING



## 4 PERSONALIZED MEDICINE



Talk to us about your application needs and how we can help you reach your goals

# A PERSONALIZED APPROACH

## THE POWER TO HAVE THE INSTRUMENT YOU NEED

### MULTIPLE TECHNOLOGY COMBINATIONS

- 5 printhead tool attachment slots
- 6 dispensing technologies available
- Independent temperature control for each printhead tool
- Full workzone printing coverage
- Quick release clip for seamless cartridge filling

### CALIBRATION AND MONITORING SYSTEM

- Contactless needle offset calibration
- Substrate height calibration option
- Quality monitoring image acquisition system

### ADDITIONAL OPTIONS AND KITS

- Physical Crosslinking
- Cartridge stirring system
- Integrated cleaning and purging station for tool cleaning



### PROCESS FLEXIBILITY

- Layer by layer
- Support materials
- FRESH for complex structures

### OPTIMIZED WORKZONE

- Standard workzone
- Electro-Spinning and Electro-Writing
- Physiologically temperature controlled (5-40°C)
- High Temperature controlled (RT to 80°C)

# TECHNOLOGY CONVERGENCE

## MULTIPLE PRINTING TOOL COMBINATIONS

### PRINT TECHNOLOGIES

#### PNEUMATIC DROP DISPENSER

Precision volume jetting of cell-laden droplets and low - medium viscous material deposition

#### ELECTRO-SPINNING AND ELECTRO-WRITING

Multiple print technology options to create nano and microfibres

#### PNEUMATIC STRAND DISPENSER

Printing medium - high viscous materials

#### VOLUMETRIC STRAND DISPENSER

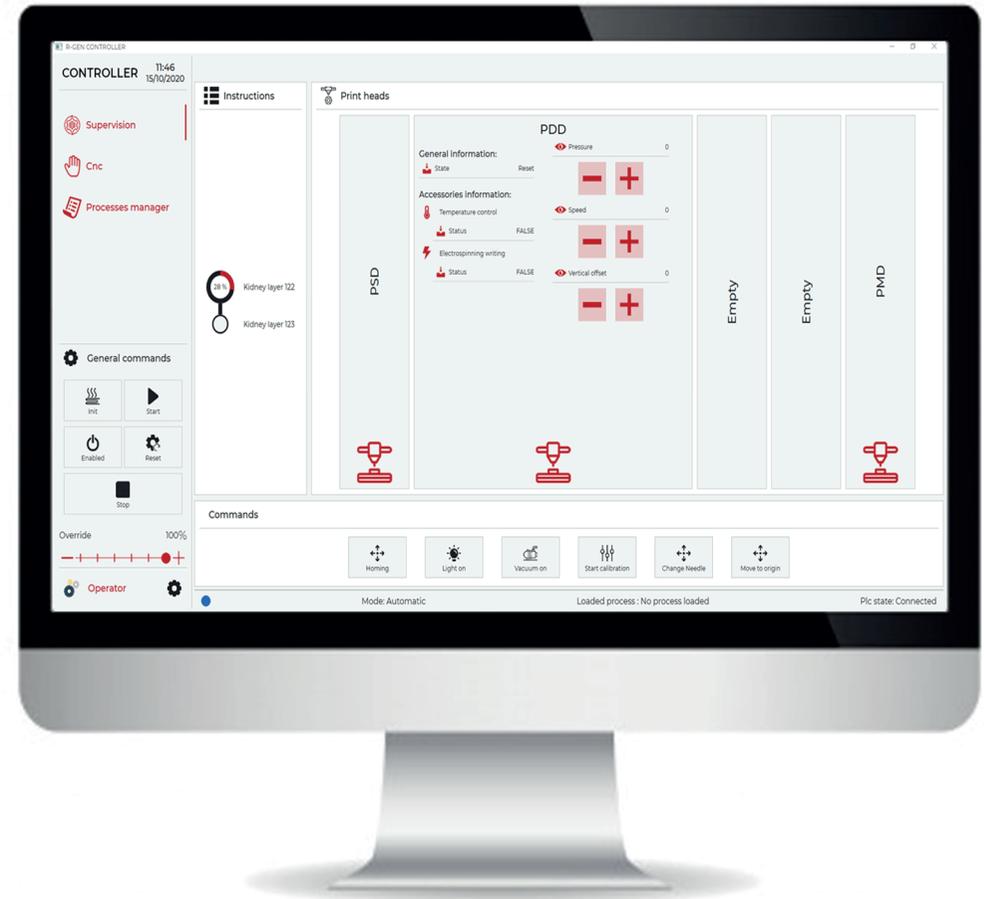
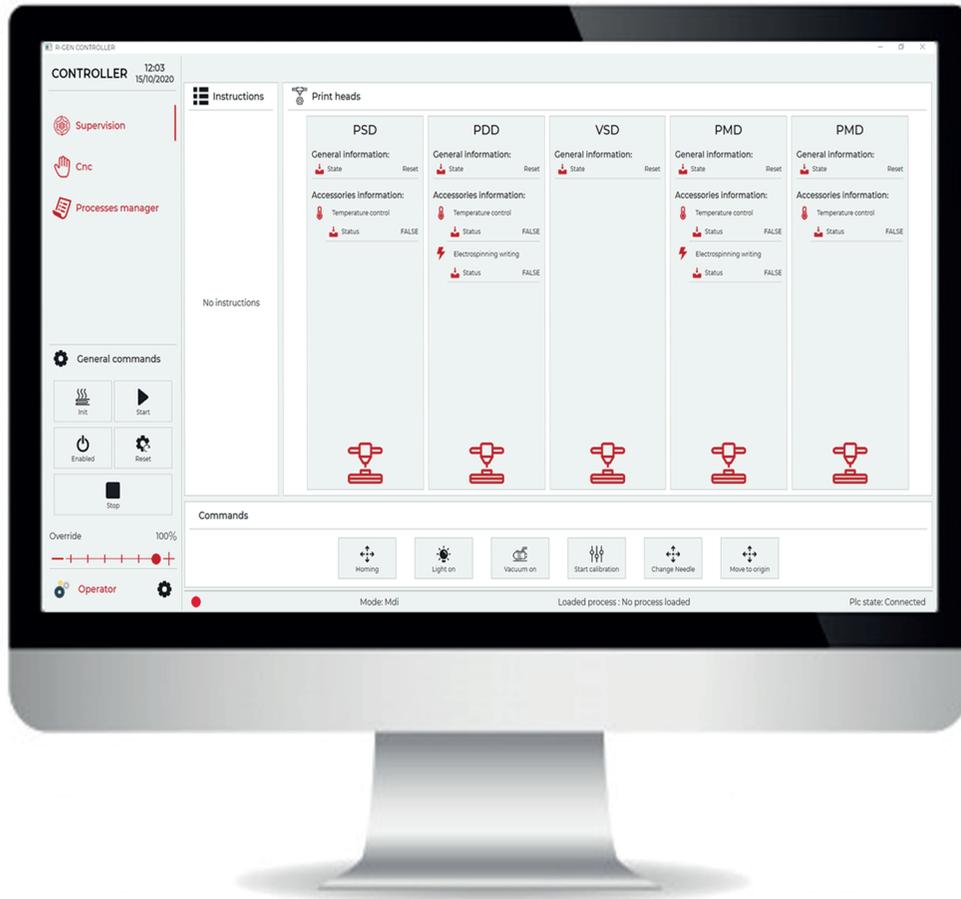
Precise printing of complex and unpredictable materials

#### PNEUMATIC MELT DISPENSER

Printing Thermoplastics up to 250°



# PRECISE INSTRUMENT CONTROL



Our new instrument controller enables printing parameter changes before and during the print run. Designed to save time during protocol development, adjustments can be made to the print process during printing and visualized in real time to achieve protocol success. This allows the user to define the best print parameters in one rapid process for the most efficient and reproducible outcome each time.

# CONTACT US

We always welcome enquiries and the opportunity to discuss a fully personalized instrument designed to your specific needs, so please get in touch so we can start the conversation.



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R+I