

BLOCKS

Presents



R 21

Specs Innovation

01 | Easy Swappable Print Core

Equipped with an interchangeable hotend system that allows you to easily exchange without the use of any tools.

02 | Structure

The sturdy aluminum structure guarantees the strength and durability of all the components.

04 | Interface

All is controlled by our new high capacitive LCD with an intuitive and well-designed UI.

03 | Magnetic Metal Plate

Heated and magnetic bed with a flexible print sheet composed of a smooth side and a textured side with PEI coating.

05 | Led RGB

RGB LED that can be customizable by the user as he wishes, allowing further personalizations of the 3D Printer.

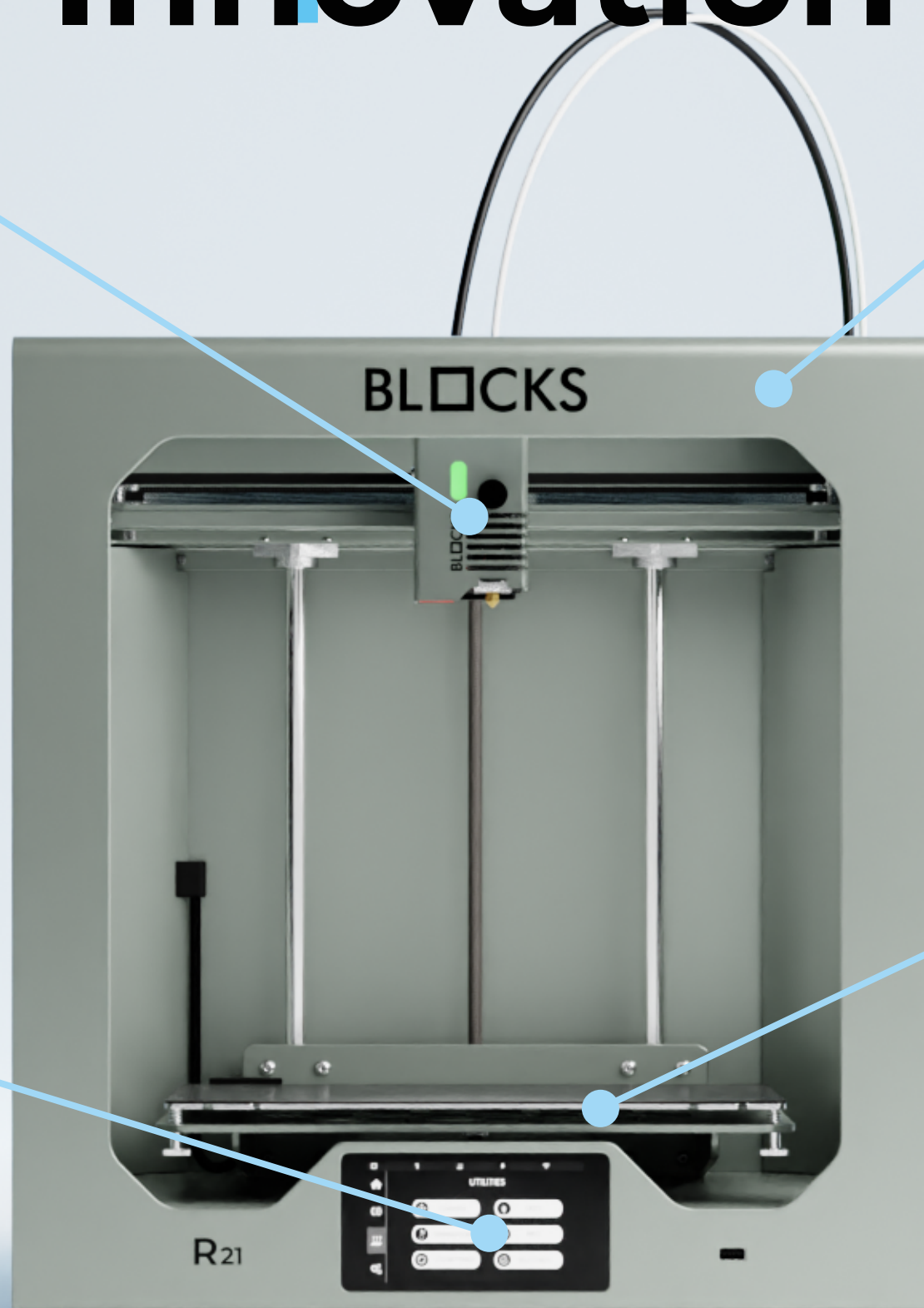
06 | Filament Sensor

Equipped with Filament flow and Runout sensor to optimize the print quality and filament management.

07 | Remote Control With WI-FI *

With our new wi-fi connection, you can remotely start, pause, and stop prints, all while watching a webcam and temperature feed.

* Add-on



History

Introduction

Blocks

Introducing Blocks R21

Through an extensive analysis of the worldwide offer in the FDM printer market and the feedback we got from our customers and resellers all over the world, Blocks developed a new chapter in its history and in 3D printing as a whole, always guided by innovation and curiosity,

Blocks R21 aims to be the best, most innovative, reliable, and user-friendly printer that we have ever produced. With many technical innovations both in terms of hardware and software, questioning the boundaries and pushing forward as we always have.

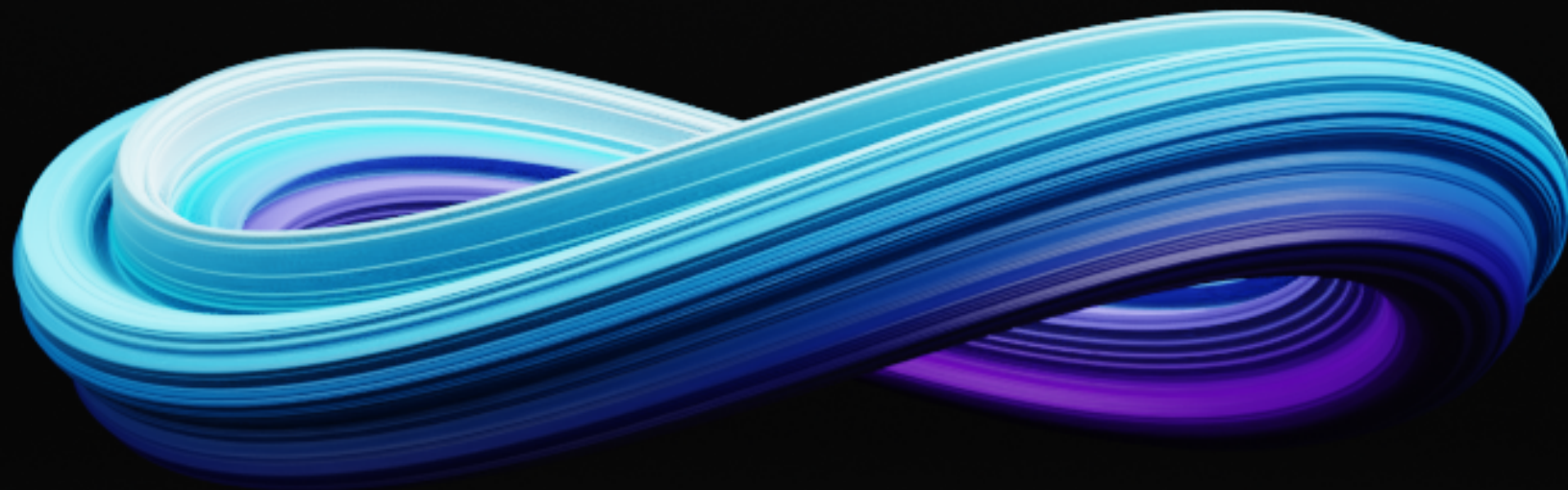
The time has come for the next step in 3D printing.

Description

Properties

- **Build Volume (W×D×H) :** 210 x 300 x 250 mm
- **Machine Size (W×D×H) :** 470 x 350 x 490 mm
- **Print Technology :** FFF
- **Print Head System :** Dual direct drive extruder
- **Filament Diameter :** 1.75 mm
- **Print Head Travel Speed :** 50–200 mm/s
- **Build Plate :** Flexible Steel Plate with PEI coating and magnetic fixation
- **Max Build Plate Temperature :** 100°C
- **Build plate heating time :** <2 minutes to 55°C / <6 minutes to 100°C
- **Build Plate Leveling :** Inductive automatic leveling
- **Filament Sensors :** Run-out and flow
- **Supported Materials :** PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ PETG/ ASA/ PP/ PVA/ Nylon/Glass Fiber Infused/ CarbonFiber Infused/ Metal Fill/ Wood Fill
- **Layer Height :** 0.01–0.3 mm
- **Nozzle Diameter :** Print core of 0.4 mm (Default), (optional 0.2/0.3/0.5/0.6/ 0.8/ 1.0 mm)
- **Max Nozzle Temperature :** 270°C to 320°C (depending on the installed print core)
- **Hotend heating time :** <2 minutes to max temperature
- **Connectivity :** Wi-Fi, USB port
- **Noise Emission :** <55 dB(A) during operation
- **Net Weight :** 18 KG

BLOCKS



Visit us now at

www.r21.blockstec.com

All pre-orders are scheduled to be delivered starting
the third quarter of 2022. Deliveries will be made by
order of reservation