

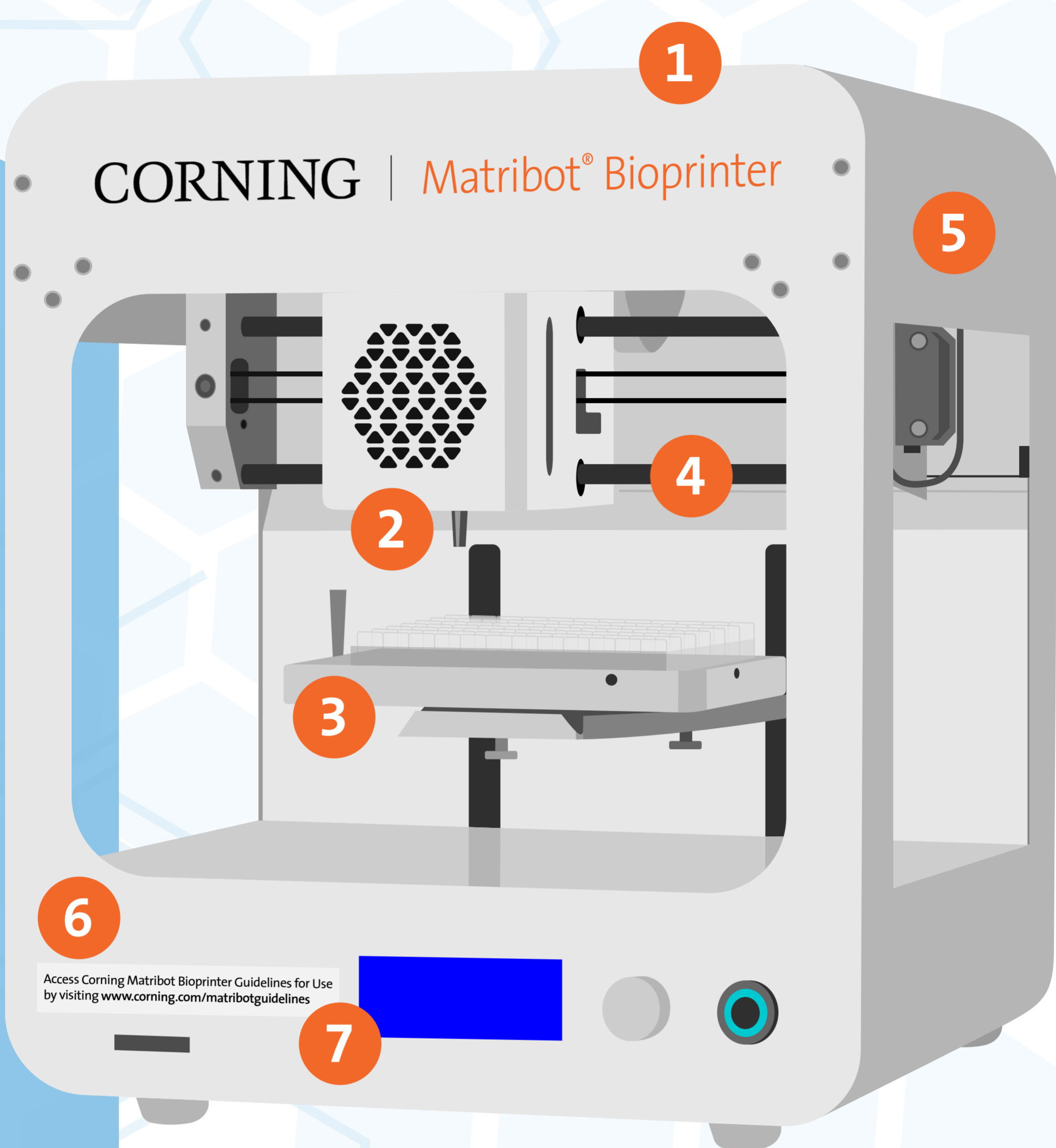
AUTOMATE TO ACCELERATE: Meet the Corning® Matribot® Bioprinter

Take your lab to the next level.

Looking to take your lab to the next level with benchtop bioprinting? With the Corning Matribot bioprinter, now you can.

What is it?

The new Corning Matribot bioprinter is a breakthrough benchtop device that enables you to dispense and print with temperature-sensitive hydrogels such as Corning Matrigel® matrix and Collagen without cold blocks, ice buckets or cold room, as well as hydrogels that require ambient temperature.



1. Small but Mighty

The Corning Matribot bioprinter packs everything you need into a small footprint that fits inside a standard lab hood or biosafety cabinet.

2. Reliable Printhead

A breakthrough device with a revolutionary cooling syringe-based printhead, the Corning Matribot Bioprinter can dispense and print with Corning Matrigel matrix. The cooling syringe printhead keeps temperatures steady, while the insulator helps reduce clogs at the nozzle tip.

3. Easy Prep and Cure

Preheat the printing surface with a heated printbed to maintain print structure for low-viscosity temperature-sensitive materials such as Corning Matrigel matrix or Collagen. Use the UV LED system to crosslink UV-curable inks.

4. Precision with Every Drop

The syringe printhead can accommodate a variety of different materials from Corning Matrigel matrix to Collagen, as well as other ambient-temperature bioinks such as alginate-based hydrogels, and can dispense into a variety of vessels including Petri dishes, multiwell plates, and microplates as small as 384-well, with high precision and control.

5. No Special Equipment

You won't need special cartridges, custom tubing, or a new operating system.

- Accepts STL, OBJ, or AMF files
- Run Custom G-code files with SD card and LCD Interface
- Inks are available in a 3ml syringe format with Luer-Lok™ tips

6. Intuitive and User-friendly Software

Uses Corning DNA Studio software to adjust parameters and optimize dispensed volumes and printed structures. Bioprint layered geometries to better emulate *in vivo* environments for 3D cell culture applications.

7. Seamless Calibration

Enable automatic calibrations using a surface probe or do contact-free manual calibration.

Explore the world of 3D. Request your free demo to see how a Corning Matribot Bioprinter could push your lab toward new frontiers.

www.corning.com/matribotdemo

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