



ARMADILLO WHITE

R&D & PROTOTYPING BINDER JETTING 3D PRINTER

The Armadillo 3D printer is a fully accessible binder jetting machine designed for research and prototyping. Through easy switching of powders, predeveloped inks, open software & robust, modular hardware researchers can design a limitless range of 3D printed materials. Possibilities include the development of geopolymers, plastics, metals, ceramics and other cementitious materials like concrete.

Researchers can customize powder and binder compositions as well as software and hardware settings to

control material properties of the 3D-printed end result. Control mechanical performance, porosity, density and many other specifications to design the perfect material for your application.

The machine offers a large work space, intuitive software and a high precision inkjet system. Upon request, the machine can be fitted with different rollers, extra printheads and a matching depowdering system.

SYSTEM FEATURES

- Open system: tweak software, hardware & materials in one system
- Develop custom material systems and influence properties such as mechanical performance, porosity, density, durability and precision
- Print geopolymers, ceramics, metals, plastics and cementitious materials
- Develop your own binder or choose predeveloped binders and powders validated by CONCR3DE
- Print any geometry you want in high resolution, without the need for supports

TECHNICAL DATA

printer dimension	1.700 x 1.200 x 1.600 mm
weight	650 kg
space requirements	2.400 x 2.000 x 2.200 mm
printhead precision	400 DPI
layer height	40 - 500µ
print box dimension	380 x 300 x 300 mm