



CONCR3DE
YOUR 3D POWDERHOUSE

ALTEM
TECHNOLOGIES



ARMADILLO GRAY

We founded CONCR3DE with the goal of 3D printing minerals without limitations. Armadillo Gray is the result of our journey to create the best possible platform for printing recycled stone powders. It enables combining the benefits of additive manufacturing with the look and feel and material properties for a range of applications.

STONE AND MINERAL PRINTING

With the Armadillo Gray, you can turn stone waste back into stone. This is CONCR3DE's 3D printer for recycled stone. It allows you to print a range of pre-engineered powder-based stone materials and recreate the properties of stone: strong, durable and beautiful. The printer is designed for small volume production of parts in design, prototyping, restoration, art and architecture. It can also be used as the testing and prototyping printer next to Elephant Gray, our large scale production printer.

ROCK-SOLID FEATURES

VALIDATED MATERIALS • Currently available materials include recycled marble, limestone and granite. Do you have a powder-based waste stream? Let our materials team turn it into a printable material and print parts in your unique stone variety.

EXTRA LARGE (OPTIONAL) • This add-on increases the Armadillo printing dimensions to 440 x 440 x 250 mm, with a daily production capacity of up to 96 liters. It adds the options to both perform research, prototype, and run production on a single printer, without additional investments or R&D transfer issues.

DEPOWDERING BOX • This tool has identical dimensions to the Armadillo Gray print bed. It allows for easy removal of an entire print volume for post processing without the need to depowder in its green state. The Depowdering Box is a great fit with fragile parts that require oven curing, such as ceramics. It is compatible with mechanical lifting tools, such as forklifts or hoists.

INTUITIVE AND FLEXIBLE

INTEGRATED NOAH CONTROL • Armadillo Gray features an integrated control station with our custom and fully open NOAH software pre-installed on optimized hardware. NOAH offers full access to all parameters of the printing process and lets you conveniently control any add-ons installed on the printer.

DEPOWDERING STATION (OPTIONAL) • Our Depowdering Station offers a clean chamber to easily depowder prints, with a rotating platform to reach in the finest nooks and crannies. Its integrated air compressor and industrial vacuum remove even the finest of powder residue, speeding up the depowdering process and keeping your infrastructure clean.

OTHER OPTIONS • Looking for other integrated functionalities? Have a look at our In-Printer Add-On range or contact us if you have other wishes!

TECHNICAL SPECIFICATIONS	ARMADILLO GRAY	ARMADILLO GRAY XL
Print box dimensions	370 x 260 x 250 mm	440 x 440 x 250 mm
Print capacity	48 liters/day	96 liters/day
Print speed	35 mm/hour	35 mm/hour
Printhead precision	400 DPI	400 DPI
Layer height	230 µm	230 µm
Powder compatibility	PS, PF, PR range mineral powders	PS, PF, PR range mineral powders
Binder compatibility	BS & PF range binders	BS & PF range binders
Power requirements	2 x 230 V	2 x 230 V
Dimensions	1.600 x 1.200 x 1.600 mm	2.300 x 1.250 x 1.900 mm
Space requirements	2.400 x 2.000 x 2.200 mm	3.100 x 2.200 x 2.500 mm
Weight	450 kg	550 kg
Connectivity	Ethernet (cable included)	Ethernet (cable included)
Software	NOAH Production (included)	NOAH Production (included)



Would you like to see more examples of what Armadillo Gray can do? Visit www.concr3de.com for more information. Are you ready to discuss your application? Send us an email at info@concr3de.com or call +31 (0)85 0606 171.

Get in touch

☎ +91-80-4150 6070 / 4153 9734
✉ enquiry@altem.com
🌐 www.altem.com



<https://altem.com/contact/>



Address: No 22, Altem EcoSquare, 3rd Floor, 9th C Main, 5th Block, Jayanagar, Bangalore - 560041, Karnataka