



## ARMADILLO GRAY

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We founded CONCR3DE with the goal of 3D printing stone 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.

# UNPRECEDENTED STONE PRINTING



**CONCR3DE**  
YOUR 3D POWDERHOUSE

With 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 XL size upgrade increases the Armadillo printing dimensions to an impressive 440 x 440 x 250 mm, with a daily production capacity of up to 96 liters. It enables performing research, prototyping, and production runs on a single printer, without additional investments or R&D transfer issues.

**Depowdering Box (optional)** • 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 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 Production software pre-installed on optimized hardware. NOAH Production 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 tiniest 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 head precision	400 DPI	400 DPI
Layer height	230 µm	230 µm
Powder compatibility	PS, PF, PR range powders	PS, PF, PR range powders
Binder compatibility	BS & PF range binders	BS & PF range binders
Power requirements	1 x 230 V	1 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	600 kg	650 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](http://www.concr3de.com) for more information. Are you ready to discuss your application? Send us an email at [info@concr3de.com](mailto:info@concr3de.com) or call +31 (0)85 0606 171.

## CONCR3DE

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