



CONCR3DE
YOUR 3D POWDERHOUSE



ARMADILLO GREEN

Turn waste into products with Armadillo Green. This 3D bioprinter enables you to print sawdust and other natural biomaterials in any shape. Armadillo Green was designed for use with our food safe Bio Binder and offers a waste-free production process.

SUSTAINABLE PRODUCTION REINVENTED



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Armadillo Green is a 3D bioprinter designed to print environmentally friendly, natural materials. It was designed for CONCR3DE's unique biodegradable Bio Binder to print with all kinds of sawdust - even the sawdust from your own workshop or factory. With the Armadillo Green printer you can give your bio-based waste materials a second life in an entirely new shape.

FROM WASTE TO RICHES

MATERIAL OPTIONS • Armadillo Green and our proprietary Bio Binder can be used to create all kinds of products. Think of applications like furniture, home decor, interior design and more. But that's not all - Bio Binder can even be used to create custom water soluble tooling and molds.

BIO BINDER • CONCR3DE's Bio Binder is an environmentally friendly material that is food safe and fully biodegradable. By using a naturally occurring polymer, Bio Binder enables printing any powder-based biomaterial with our Armadillo Green printer.

UPCYCLING • CONCR3DE is dedicated to upcycling bio-based waste materials. You can now create value, in the form of functional printed products, from material streams that were previously deemed worthless - or even expensive to dispose of.

READY FOR SERIAL PRODUCTION

INTEGRATED NOAH CONTROL • Armadillo Green is conveniently operated using our NOAH software. Running on integrated, optimized hardware and featuring an intuitive user interface, NOAH offers full access to all parameters of the printing process and any add-ons installed on the printer.

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 perform prototyping and serial production runs on a single printer, without further investments.

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.

TECHNICAL SPECIFICATIONS

	ARMADILLO GREEN	ARMADILLO GREEN 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	42 mm/hour	42 mm/hour
Printhead precision	400 DPI	400 DPI
Layer height	300 µm	300 µm
Powder compatibility	PB & PF range powders	PB & PF range powders
Binder compatibility	BB range binders	BB 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)



Interested to learn more? Check out www.concr3de.com for more information. Are you ready to discuss your sustainable production or natural waste stream upcycling project? Send us an email at info@concr3de.com or call +31 (0)85 0606 171.

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