



**CONCR3DE**  
YOUR 3D POWDERHOUSE

## MAKING COMPLEX SHAPES WITH EASE

Creating complex forms in stone or other mineral compounds using traditional methods is often a specialist, labor-intensive, hence expensive task. Many designs are produced in small series or as one-offs. CONCR3DE now combines the benefits of additive manufacturing with the scalability and material properties to create anything your customer asks for – fast, cost-efficient, and of the highest quality.

# CONSTRUCTION & DESIGN



## MATERIALS YOU TRUST

Our binder jetting platform allows you to 3D print complex forms in materials such as limestone, granite, and marble. Thanks to excellent material properties and the ability to seal printed objects for outdoor use, your customers can literally build on the products leaving your production facility.

## EXCEPTIONAL SCALABILITY

CONCR3DE gives you an easy path from small-scale prototyping to large-scale manufacturing. Test designs, finishes and materials on our Armadillo platform and when you're ready, scale up to one of our large-scale printers, which allow you to print objects of up to 6 x 3 x 1 meters in size. All printers use the same base technology, meaning you don't have to reinvent the wheel.

## SUSTAINABLE MANUFACTURING

Our platform enables true upcycling - using waste streams to create new objects. Materials like stone sawdust and filter cake, or even minerals retrieved from urban mining processes can be used as printing materials. Combined with the raw materials reduction and our zero-waste production process, we can significantly reduce the amount of waste in large-scale manufacturing together.

## PRODUCTS

Our product range for construction and design applications enables smooth implementation of industrial-scale additive manufacturing in your existing process. CONCR3DE offers end-to-end solutions that include our custom print preparation software, printers facilitating a clean and dust-free process on any scale, as well as all applicable handling and post processing tools.

**ARMADILLO GRAY (XL)** • This small-scale binder jetting 3D printer features all applicable add-ons for printing stone and mineral materials. It includes integrated NOAH control and the Reduction Insert to allow for low-volume prints. The XL version increases daily production volumes to 96 liters. Armadillo Gray is also used in combination with one of its large-scale printer siblings, such as Elephant Gray. This allows creating smaller parts or test shapes before printing full-scale objects or elements.

**ELEPHANT GRAY** • The usability and applicability of any 3D printing technology is often determined by its maximum print dimensions. Upscaling brings massive cost advantages as well as a range of novel use cases. CONCR3DE presents Elephant Gray: a unique binder jetting production systems that allows you to print objects up to 2 x 1 x 1 meters in size – without compromising on accuracy. Elephant Gray offers unprecedented opportunities for architecture, restoration, consumer goods and molding applications.

Do you have even larger ambitions than Elephant Gray can produce? Our technology platform allows scaling to virtually any size. Contact us to learn more about additional large-scale printer options.

**MATERIALS** • CONCR3DE offers a wide range of materials to easily print complex shapes in stone and mineral materials. Printed parts are strong and ready for outdoor use after sealing.

|                                    |                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------|
| <a href="#">CONCR3DE Marble</a>    | Print large-scale objects with excellent properties and a high-quality surface finish. |
| <a href="#">CONCR3DE Granite</a>   | Cost-effective, accurate production of complex designs in a sustainable process.       |
| <a href="#">CONCR3DE Limestone</a> | The stone-like material offers excellent material properties and surface finish .      |

**CO-PRODUCTION SERVICE** • If your vision includes offering production capacity to third parties, we will gladly forward production requests that fit your infrastructure. Our team can also support your staff with challenging orders. Whether you are looking for advice, pre-production testing, or optimizing your capacity with third party orders - we are here for you.

Interested to learn more? Detailed specifications are available in our Product Leaflets, or check out [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.



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