

Press Release
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FOR IMMEDIATE RELEASE

Category
Architecture, Design, Experimental Fabrication, Furniture, Home Décor, Interior Design, Lifestyle, Sustainable Design, Technology

Subject
Additive Manufacturing, Binder Jetting, Circular Economy, Design Innovation, Digital Fabrication, Material Ecology

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Wedge Presents Epoch II – Anomalies: Sculptural furniture in recyclable sand

Wedge’s new collection transforms digital simulations and scanning errors into a sustainable design method rooted in material ecology.



Collection Title
Epoch II – Anomalies
Launch Year
2025
Recent Exhibitions
3daysofdesign, Copenhagen (June 2025)
Material Matters, London (September 2025)

Following its debut at 3daysofdesign in Copenhagen and its recent feature at Material Matters during London Design Festival, Wedge presents Epoch II – Anomalies, the latest chapter in its research into sustainable materials and large-scale additive manufacturing. The collection includes sculptural furniture and architectural elements made through binder-jet printing in sand, extending the studio’s pursuit of a computational craft shaped by algorithmic drift, material ecology, and sustainable responsibility.

Some works begin with digital simulations of chaotic particle systems, translated into volumetric models. Others reinterpret raw LiDAR scans, feeding them into reverse-engineered scripts where irregularities become adjustable design parameters. Forms appear that were never present in the original data, pushing error into a constructive force. Fractures, erosions, and distortions are absorbed rather than erased, producing results that hover between furniture and sculpture, fragment and artifact, presence and disappearance.

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The collection resists easy categorisation. Tables, vessels, and surfaces seem fractured, eroded, or caught in flux. Instability becomes a defining characteristic, much like sand itself, where a mass can bind and occupy space while a single grain is inert. Recursive geometries and adjustable algorithms shape these objects, which are less completed than stages in an unfolding process.

Materially, the works are produced in recyclable sand. Each piece can be crushed, reprinted, and recirculated with minimal waste, embedding circularity directly into form and production. They are not fixed outcomes but propositions for reconfiguration: artifacts open to future transformation, shifting ownership within a continuum of matter.

According to designers Lei Zhang and Peiyan Zou, "instability is not a flaw but a way of thinking about materiality." "We investigate how design can adapt to change through these pieces, which bear the traces of their creation – recursive patterns, digital erosion, and material irregularities."

Wedge advances a vision in which digital processes, ecological systems, and aesthetic experimentation converge with Epoch II – Anomalies, expanding the potential of binder-jet sand printing as both material practice and speculative language.

Notes to Editor

Epoch II – Anomalies is Wedge's second major design collection, following the studio's earlier explorations of sand-based additive manufacturing. The series advances a sustainable approach to furniture and spatial design through recursive geometries and circular material cycles.

About Wedge

In differential geometry, the Grassmann product, represented by a wedge, constructs higher dimensional objects by adding existing dimensions. Wedge draws from this idea both technically and conceptually, treating design as a process of separating, adjusting, and recomposing matter, meaning, and form.

Co-Founded by theoretical physicist Andy Zhang, together with artist-designers Lei Zhang and Peiyan Zou, Wedge is a design and research studio based in London. Lei and Peiyan lead the studio's artistic, design and spatial direction, while Andy contributes expertise in theoretical physics and material science.

Read more about wedge at wedge-design.com

General Information

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Press Images: High-Res images and full media kit can be found here:
<https://drive.google.com/drive/folders/1K3TTyJ-d812VVUcQm1zqfameuN7ks8x?usp=sharing>.