



For immediate release

ADDITIVE CRYSTAL

Additive Crystal is a collection of lamps that combines two additive manufacturing techniques. Man-made, 3D-printed frames continue to grow after the printing is done, developing their own crystal skin.

The process of 3D-printing and the forming of mineral crystals seem worlds apart but are actually based on the same principle, slowly materializing layer by layer. Fascinated by their similarities and differences, I managed to manipulate them into a co-creative unity. Both materials need a day to complete their part of the structure. The printing is controlled, precise, and industrial. The crystals are unpredictable, stubborn, and organic. One strengthens fragility and the other contributes sparkle and translucency.

More information: www.felixmollinga.com/additive-crystal

QUOTES

"The frames are identical, their skin is unique"

"What if 3d prints could grow?"

PROJECT BACKGROUND

3D printers have become more and more refined; making printed products smaller and more detailed, instead of bigger. Precision is great, but with it come longer production times. If I could make the print a skeleton for the growing material, I would save time, material and cost. While the growing material also adds unique characteristics to a repeatable process. Therefore I asked myself "What if 3d prints could grow?"

After experimentation with different natural growing materials, I landed on crystals. This started with sugar and salt but developed into more complex chemicals and mineral crystals. There is a poetic connection between crystals and 3d printing: both build up material layer by layer, slowly growing to completion. Crystals however naturally form under heat and pressure, while 3d printing is a man-made process. I combined the two, physically connecting the materials and making them co-dependent.

ABOUT

Felix Mollinga is a Dutch product designer who follows the personal design mantra "Form Follows Future". He recently graduated cum-laude from Design Academy Eindhoven. His interest lies with designing products for the (near) future, driven by innovation, sustainability or ethical issues.

He has won the James Dyson Award NL (for innovative product concepts) with "Acoin", a device for a future without cash. His project "Databall_" is nominated for the Icarus Design Award 2018. His work has been published in FRAME, Eigen Huis & Interieur, Sprout, de Ingenieur, and has been exhibited in The Netherlands, New York, Singapore, and Indonesia.

DUTCH DESIGN WEEK

Additive Crystal will be exhibited at G18, during Dutch Design Week 2018
De Campina, Dirk Boutslaan 2, 5613LW Eindhoven, The Netherlands
20 Oct 13-18h, 21-28 Oct 11-18h

CONTACT

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