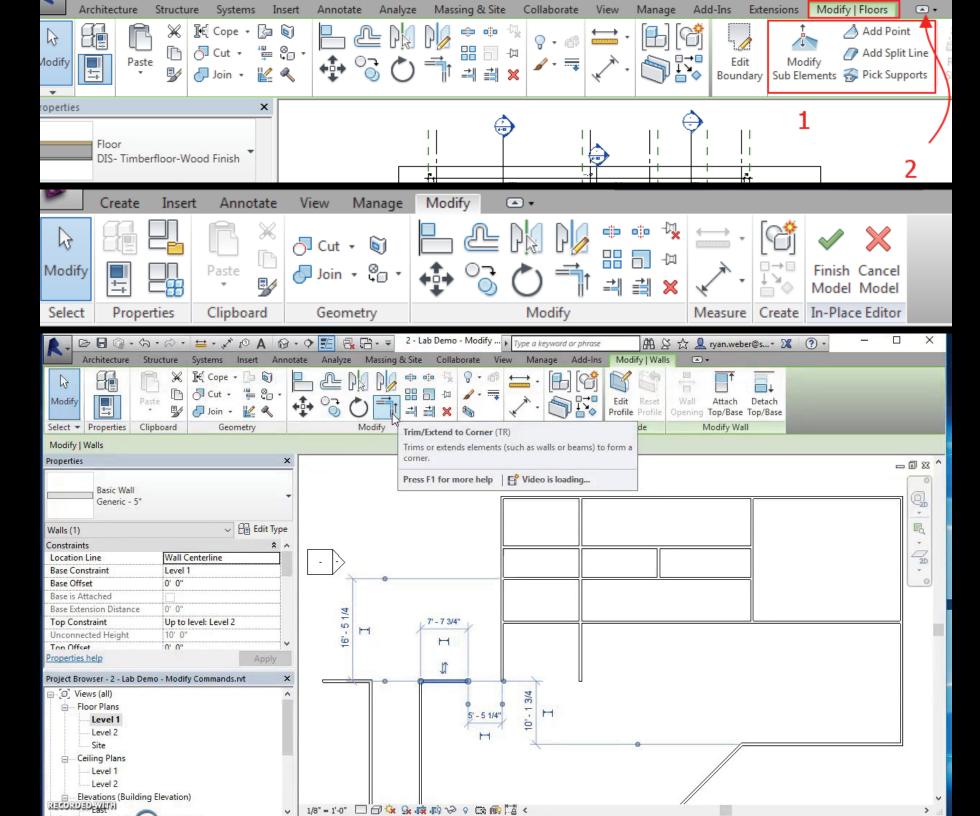
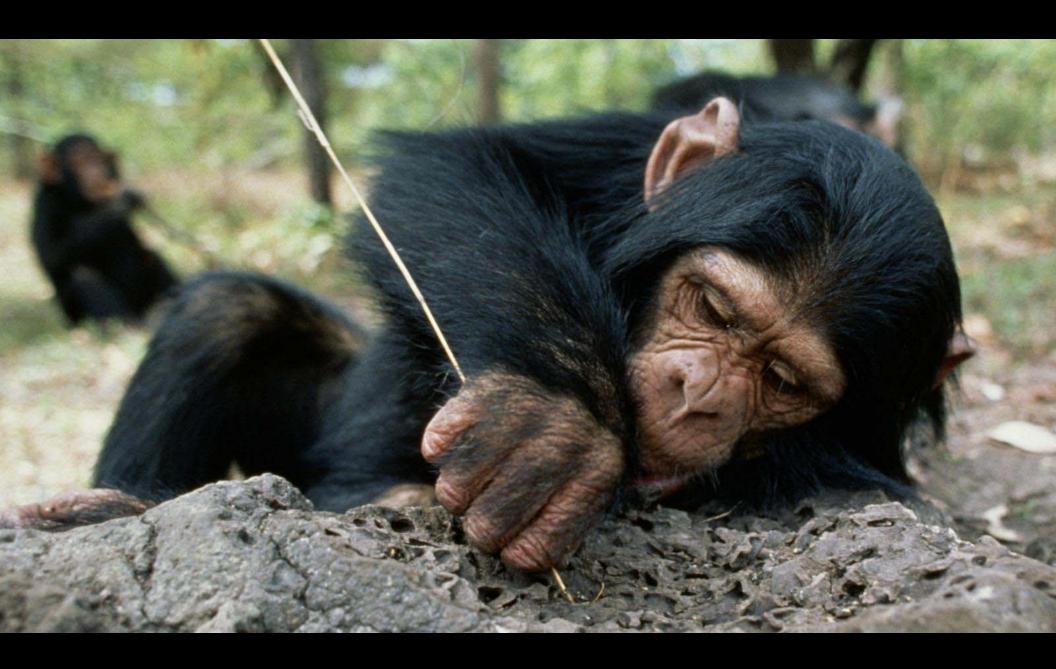


Object Modification Getting termites out of the ground to consume a new technical order of objects.

what's our relationship to instruments? / how do instruments and tools (media) become more than means to an end?

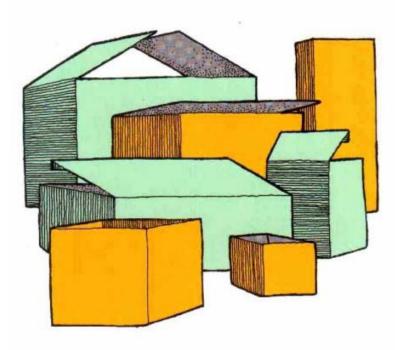






EL SISTEMA DE LOS OBJETOS jean baudrillard





Scott Marble

DIGITAL WORKFLOWS IN ARCHITECTURE

DESIGN ASSEMBLY INDUSTRY

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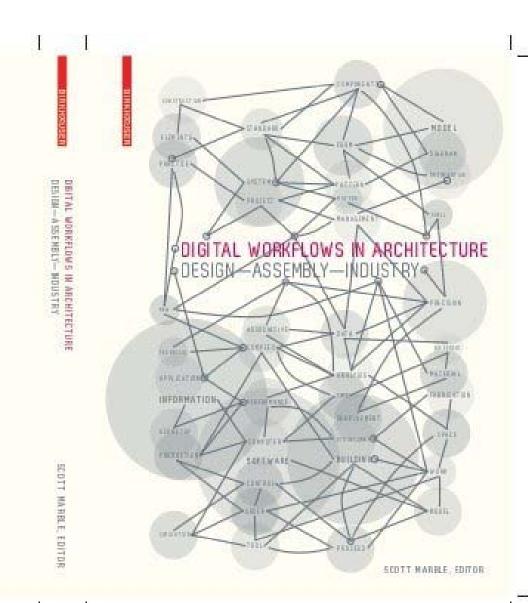
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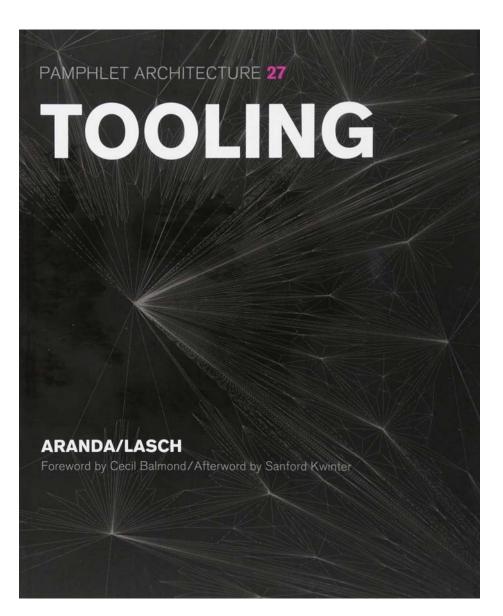
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HOLE SHEET I making at believe to





Tooling x 2



Architectural Association School of Architecture



BARKOW LEIBINGER

The Director of the AA School of Architecture Brett Steele invites you to a private view on Thursday 26 February 2009 6.30–8.30pm

AA Gallery
27 February to 27 March 2009
Monday to Friday 10am-7pm
Saturday 10am-3am

Roundtable Frank Barkon, Michael Meredi Gramazio & Kohler and

Thomas Demand Wednesday 18 March 2009 6pm Lecture Hall

Architectural Association 36 Bedford Square London WC1B 3ES Information 020 7887 4145 aaschool.ac.uk An Atlas of Fabrication is an exhibition and catalogue celebrating the commitment is meterial restarch are informs the buildings in a teaching of Earkow Leibingue, who were AA unit makers in the 2re 90s.

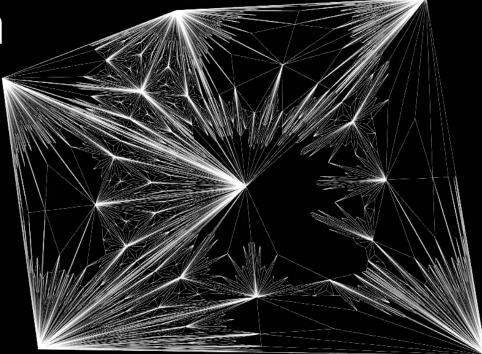
The practice's fascination with machine-tool fabrication began acceptancially but now resonates in all ongoing building projects within the practice. The exhibition shows how the work favours a material architecture, guided by a conviction that architectural

Neas and water as are next incably intertwined Pur anomal way and itecture set physical adiatance, and the prim of conceptualization in the figure out

ceptualisation is to figure out how to treat that material. It is a practice that embraces the factory, where an ongoing dialogue is established with the industries that make the machines and the people who operate them. This knowledge informs the work and frees it from the standard building catalogue.

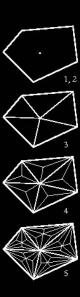
Printed at Bedford Press, London / bedfordpress.

Aranda / Larsch



Recipe for Cracking

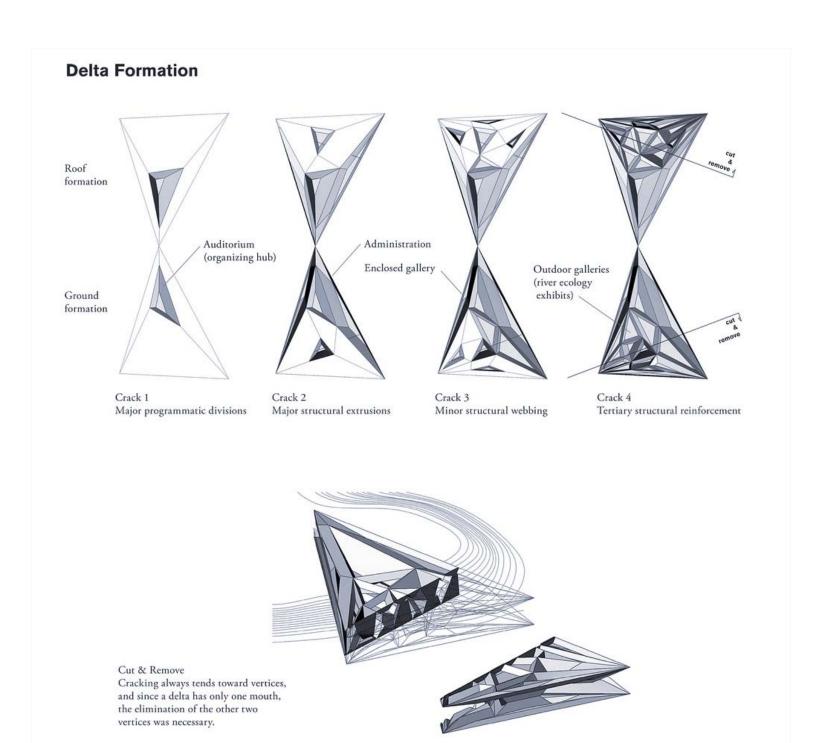
- 1. Choose a shape to be cracked.
- 2. Find its centroid.
- 3. Create subsidiary shapes by connecting the centroid to each end of one edge of the parent shape.
- 4. Repeat steps 2 and 3 for each new shape.*†
- 5. Continue until a limit is reached. Choose an iteration of the algorithm whose subsidiary shapes will be left whole.[‡]

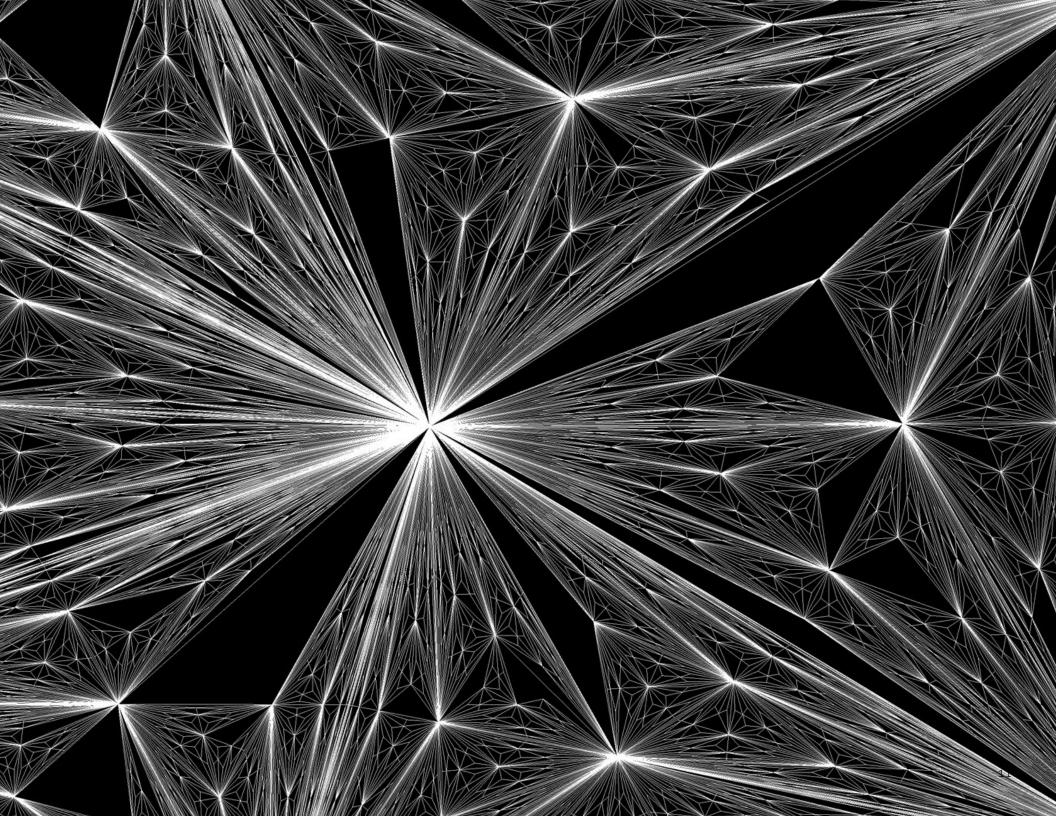


^{*} This algorithm produces a construction in which each edge is shared by exactly two shapes and each edge is continuous—connected to an edge which is connected to an edge, and so on—no matter how dense the mesh becomes.

If one were to localize the cracking—crack more in one part of the structure than another—one could create patches made up of a higher number of shorter members.

Each iteration contains an exponentially greater number of shapes than the one before it. Each iteration takes an exponentially longer time to process.



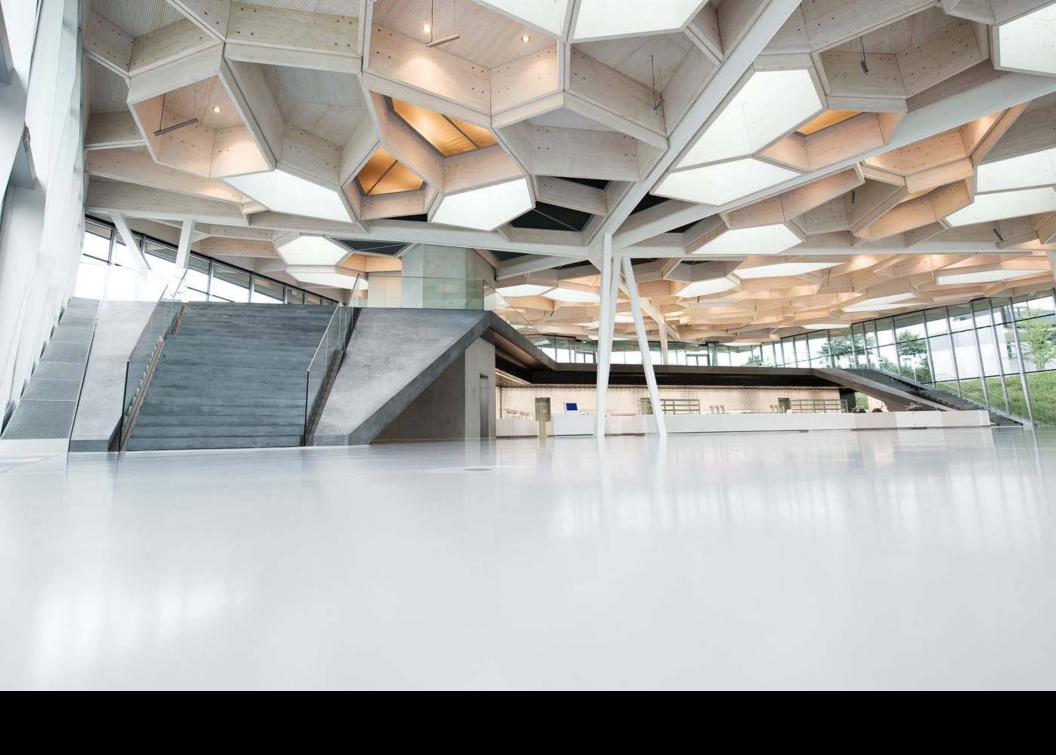


Barkow Leibinger Architects are at the forefront of a generational shift in architectural experimentation based upon sustained forms of material research, digital fabrication, and the machinic assembly of buildings.

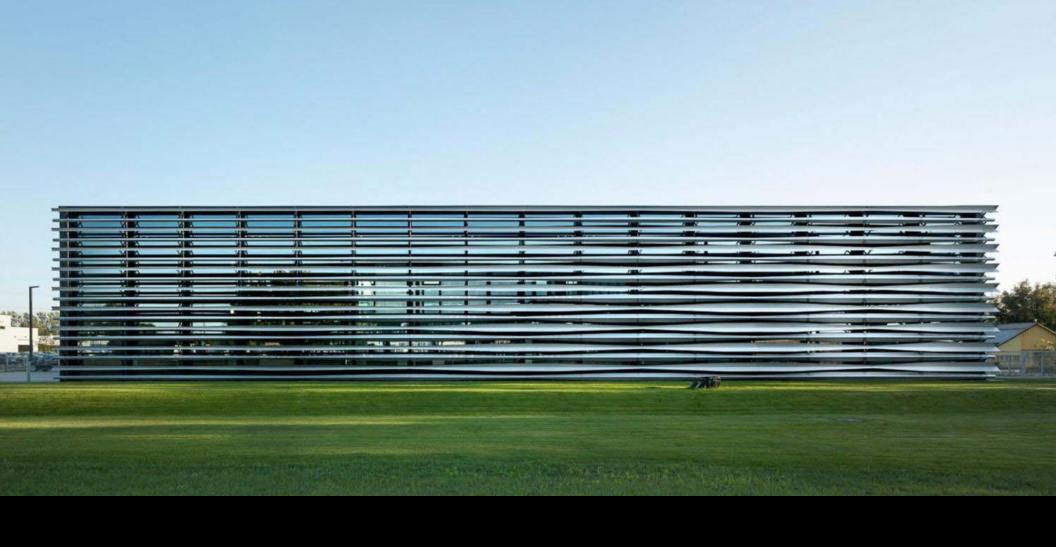
In the early years of the 21st century a global proliferation of new networks, tools, and other technologies are transforming not only how architects work and think with industrially-manufactured building materials,

but also how these otherwise familiar elements can now be subtly transformed into entire systems embodying greater malleability, variation, and control than ever before.

032c workshop

















Trumpf Group

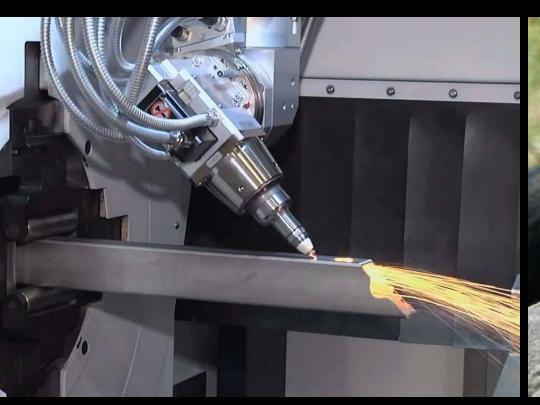














Setup a tool customization research area based on experimental prototyping with digitally controlled tooling technology.

Test materials against a machine to develop a range of possibilities for transforming the material independent from a particular utility, purpose or economic constraint.

This produces a body of work or archive that is architecturally latent, scale-less (other than its own physical size) and open-ended as to how it might be applied.

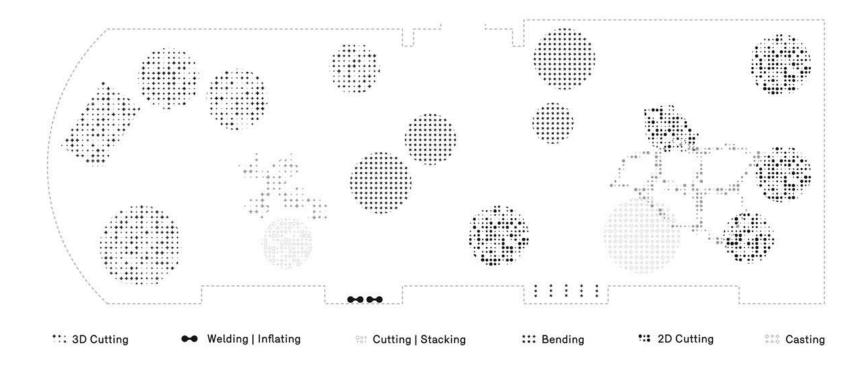
Tools are explored in terms of their ability to transform a material.

Barkow Liebinger tooling method described in Scott Marble's Digital Workflows in Architecture.

The best philosophies of techincs are, strictly speaking, useless.

John May





Barkow Leibinger

Tooling and Material Partners

