Material Exploration

Hosford Metal Works
Ann Arbor, MI

Fabrication facilities lying on the north-side of Ann Arbor. Large scale fabrication tools, including: arbor presses, massive drill presses, routers, CNC milling machines, break, and shears. A framework was developed utilizing the newfound understanding of fabrication tools, including their limitations. Conceptualization of the hand tools and home-brew manipulators for obtaining the curvatures of the designs that we visualized and the shapes that emerged from material and structural tendencies.

Material exploration is directed towards the discovery of material tendencies that can influence digital translation and further design. These properties are identified both as both material and geometric. Above is a line that carry...