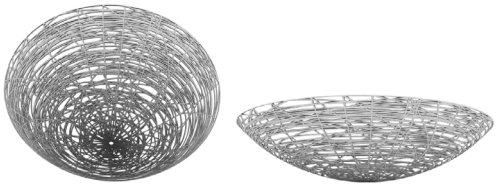
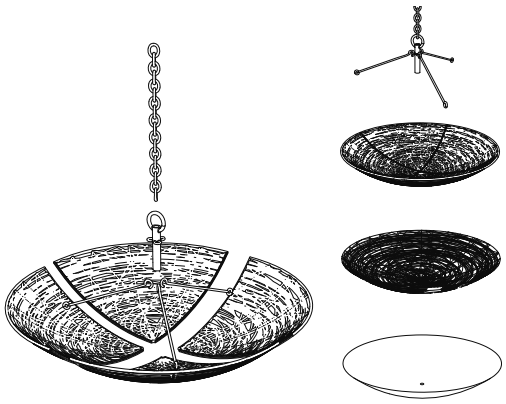
> *This project was an investigation in using digital tools and additive manufacturing to design and fabricate organic complex forms that are typically not possible through conventional methods — a great demonstration of how unique applications can be achieved through advanced technologies. The team created a product that was visually appealing and fully functional with a great story to tell.*
>
> *— Veronica De La Rosa, Industrial Designer*
> *FATHOM oakland | seattle*



COMPLEX GEOMETRIES TO SHINE

SHOWCASING THE FATHOM TEAM'S CREATIVITY, EXPERTISE, AND FUNCTIONAL PROTOTYPING CAPABILITIES

CREATING THE CHANDO



An internal project at FATHOM sparked by its capacity to create in-house SLS parts — designing and creating a functional chandelier.

This unique project showcases the team's creativity and functional prototyping capabilities.

FATHOM's industrial designers created CAD models in Rhino software, specifically using surfacing texturing tools to achieve desired results. Complex geometries were used to create experiential lighting effects and structural stability in the dish's form. The design was created to use standard electrical assemblies with custom fixture components.

The Chando was divided into quads to accommodate SLS equipment bed limitations and tongue/groove style connections were added for assembly. These complex STLs were healed in Magics and a beta version of Adobe Photoshop 3D CS6. The final model was created in a laser sintered Nylon12 powder and assembled by the FATHOM production team.

ABOUT

FATHOM is driven by advanced technologies.

We leverage our expertise in 3D printing and additive manufacturing to help our customers innovate faster and more efficiently. Our product portfolio includes professional 3D printers and manufacturing systems, prototyping and advanced manufacturing services, with design and engineering resources in support of these. We strive to be our customers' preferred partner by providing best-in-class equipment, services, and support.