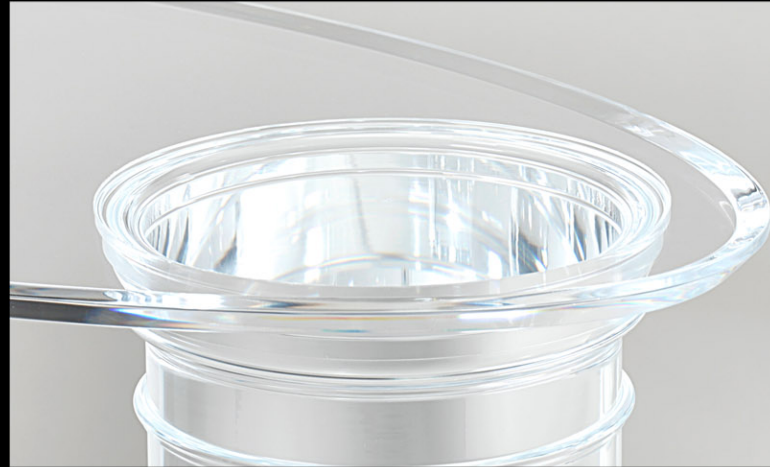


APPLICATION Brief...

Interior Design

Application: Custom Fabrication of an Acrylic Table Base



A Custom Interior Designer chose Architectural Plastics to fabricate the base of this unique and beautiful table.

This base weighs approximately 400 pounds and is 18" x 48" x 28"h. The table top (not shown) is a 49" x 85" 2 in. thick glass oval that sits on the base. Originally, the designer wanted the base made in glass but the foundry was unable to cast the glass pedestals without bubbles. API was then chosen to fabricate the base.

The lower platform is composed of a slab of 2 in. clear acrylic and the scroll feet are 3 in. thick, for an overall thickness of 5 in. The two pedestals were turned from 11 in. square blocks of clear acrylic and the top platform is 1 in. thick.

The two pedestals were turned on a lathe, sanded and buff polished to perfect clarity. They were each glued to the top platform and then turned over to glue to the lower platform. The final two glue joints had to be done simultaneously while trying to stabilize 250 pounds of acrylic and avoid bubbles or imperfections.

Fabricating in acrylic on this scale requires flawless glue joints over large surface areas. Any bubbles or imperfections cannot be hidden or corrected once the joint is poured.

The designer wanted a 1/4" x 1/4" reveal around the scroll work on the lower platform so the inside edges were routed. At the curvature of the feet, this requires very highly skilled fabricators.