

xlaFORM *"Helps Bring Your Ideas to Light"*

xlaFORM's automated infiltration made this lamp shade design project a snap. A lamp shade can present some interesting design challenges. Localized thermal issues and thin section geometry can present significant issues with most RP systems on the market. With an xlaFORM infused ZCorp printed lamp shade these issues are easily addressed.

To demonstrate the value of these two technologies we used a desk lamp with the plastic shade removed. The new shade design was created using solid modeling software, with multiple sections down to 1mm. These thin sections will allow more light to pass through the shade in these areas and create a neat effect. The lamp itself will need to be thermally stable with a constant localized heat source up to 300 F with a 75 watt bulb. This type of heat stability is far above what the original plastic shade would handle. Of course with a ZCorp printer colors and pictures can be mapped to geometry effortlessly providing infinite options for customization. The xlaFORM ProSystem is the only solution for automated infiltration of high strength material with excellent thermal stability.

The results are quite impressive, even more impressive is the fact that the part was produced in 6 hours at a total cost of 42 dollars.

The xlaFORM ProSystem provides a bullet proof automated system for processing the most difficult geometries with ease. The xlaFORM resin can turn a ZCorp part into a high performance ceramic composite in minutes. xlaFORM and ZCorp can help you bring your ideas to light!



xlaFORM Desk Lamp



Interchangeable Shades and Original Shade

xlaFORM
"Your Automated Infiltration Solution"

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