Casting a 3d Part with Composimold

The Composimold worked really well, but the 3d part needs some work. The idea is to have a 3d emblem I can place on some art pieces. Casting a mold with Composimold in this video, and Isabel makes a surprise appearance in this one, too.

Main issues here are that the depth of the engraving must be significant for the 3d print to take place, its almost at its limit on the amount of minimum depth it can have. The mold making material is naturally sinking into the deeper parts of the engraving. Its clinging onto the plastic part in there. If I was using a metal 3d print that wasn't as porous this would not be an issue.

When its all said and done, the plan is to use the .75 inch forstner blade to prepare a place, superglue to insert the piece, a nice way to place a makers mark. I think I found the limits of the materials to the purpose, the 3d part would work well if it was printed in metal not plastic. It may even be more interesting if it was just brass, or just aluminum, and not a resin. A die struck metal result would use less material than the 3d print as well, less requirements of depth of engraving would result in a thinner piece overall and probably cost less. 1 mm can make a big difference in price and machine time when outsourcing the prints.

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