
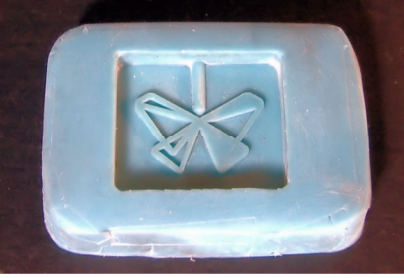





CONVERTING A 3D PRINTED MOLD INTO A CASTED METAL MOLD

(Proof of concept experiment)

	<p>1. Start with 3D printed mold.</p>
	<p>2. Make a silicone mold of the 3D printed mold.</p>
	<p>3. Pour molten metal into silicone mold to make a metal casting of the 3D printed mold.</p>
	<p>4. Face off the casting surfaces so they're completely flat & true.</p>
	<p>5. Use casted mold in benchtop molder to make plastic parts.</p>
<p style="text-align: center;"><u>ADVANTAGES</u></p> <ul style="list-style-type: none">• Metal mold is stronger & lasts longer.• Metal mold dissipates heat faster.• Metal can be highly polished.• No need for outer support frame.	<p style="text-align: center;"><u>DISADVANTAGES</u></p> <ul style="list-style-type: none">• Loss of part detail.• Casting is less dimensionally accurate.• Finishing/ polishing the mold cavity to get a smooth surface can be time consuming.