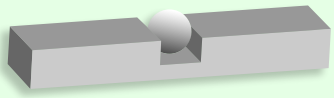
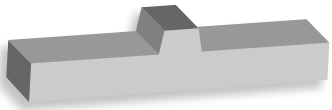
BRAILLE FABRICATION COMPARISON

UV-LED Printing | Raster Method | Photopolymer

MUTOH
MAKES IT POSSIBLE

Braille Cross-Section 3D Rendering			
	UV-LED Printing	**Raster**	**Photopolymer**
Fabrication Process	Artwork design Digital printing	Artwork design Drilling/Engraving Insert beads Print/Paint	Artwork design Film generation Photopolymer processing Finishing
Dry Time	None	In some cases	In some cases
Required Equipment	UV-LED Printer	Raster Braille Kit (proprietary) Router/Engraving machine Cutters/drill bits	Darkroom/image setter A processor A water source Setup for painting Screen-printing/hot stamp
Components Needed For Final Project	TWO COMPONENTS Substrate Ink	THREE COMPONENTS Substrate Raster beads Ink/paint	FOUR COMPONENTS Substrate Film Topcoat Paint
Ease of Meeting Compliancy	Ink droplets form ADA complaint rounded Braille	Raster beads form compliant rounded Braille	Difficult to form the precise round shape of the Braille to be ADA compliant
Set Up Cost	No added cost		
Ability to Color Match	Software enables quick & simple color matching on all color types. Also stores colors for exact results on repeat jobs.	Easy setup and standard colors available.	Color matching can be challenging and costly for small run sizes.
Durability	High	High	Medium
Production Time	Low - Braille, tactile letters & pictograms are all done on the printer. No extra steps or equipment needed	Medium - Engraving & insertion of the beads are done separately & at times on different machines.	High - Multi-Step process
Production Cost	Low	Medium	High

GARMENT PRINTER INK