

These materials have been used in the CNF VersaLaser 3.50. Other substrates (or thicknesses) will also likely work, but you should check with the tool manager before using any material to avoid ones that outgas toxic substances. (Settings are available in the tool manual for the following):

<b>Material</b>	<b>Thickness (microns)</b>	<b>Cut</b>	<b>Etch</b>
Acrylics (Plexiglass, PMMA)	1000 – 5300	X	X
Borosilicate glass wafer	500	X	X
Ceramic	any		X
Fused Silica Wafer	170-500	X	X
Glass coverslips and slides	170-700	X	X
Paper, Cardboard, Card Stock	100-250	X	X
PDMS (Sylgard 184)	any	X	X
Polyethylene terephthalate tape (PET; Mylar© or Melinex©)	45-150	X	
Polyethylene terephthalate transparency (PET; Mylar© or Melinex©)	130	X	
Polyimide/Kapton Tape	60 -100	X	X
Polyoxymethylene plastic (Delrin©)	300-500	X	X
Quartz	1500 - 5000	X	X
Rubber	1500-3160	X	X
Rubilith film	200	X	X
Styrene	1000	X	
Teflon	6500	X	X
Vinyl (window cling type)	430	X	
Zeonor 1020R	1000	X	X

**Photoresist and Metal Marking Compound (Liquid or Tape) has also been used to mark substrates:**

Brushed Aluminum, Brushed Nickel, Silicon Wafer, Stainless Steel

**Other materials that have been reported by the ULS technical support but not yet tested at CNF:**

Cork  
 Fabric  
 Fiberglass  
 Foam  
 Kevlar  
 Masonite©  
 Melamine  
 Nylon  
 Polycarbonate  
 Polypropylene  
 Resin  
 Wood