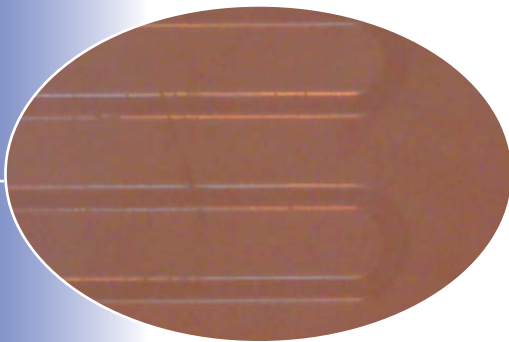
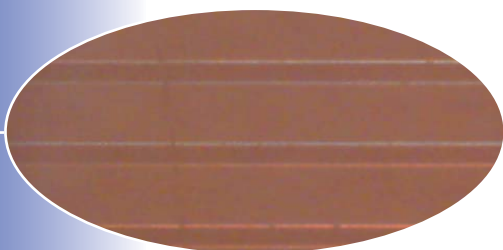


Serpentine Microfluidic Channels with Input/Output Ports.



Magnified View of End of Microchannels (60X)



Magnified View of Microchannel Lines (60X)

Overview:

Microfluidic channels are fabricated in glass substrates. The SF-100 is required for photoresist patterning of the individual glass substrates.

Process Flow:

1. Start 2 microscope slides.
2. Slide 1:
 - Photoresist pattern channel features onto glass substrate using liquid photoresist.
 - Hardbake photoresist.
 - Wet etch glass channels into glass substrates.
 - Wet strip photoresist.
3. Slide 2:
 - Drill input/output ports into glass substrates.
4. Align & bond slide 1 & slide 2 to form complete microchannels.

