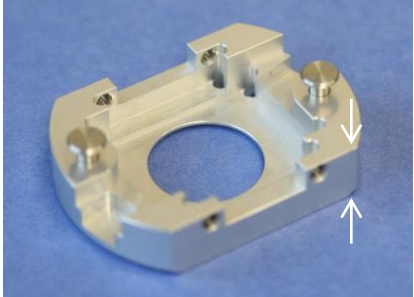
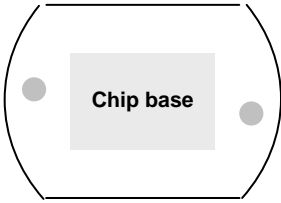
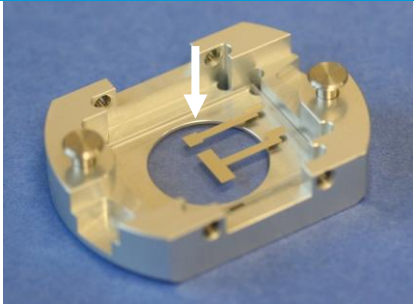
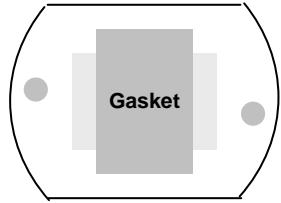
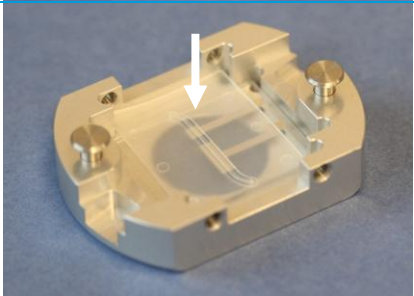
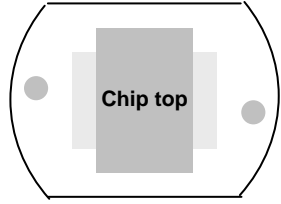
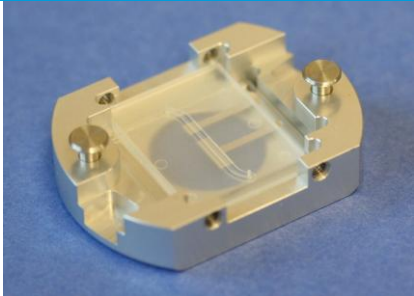
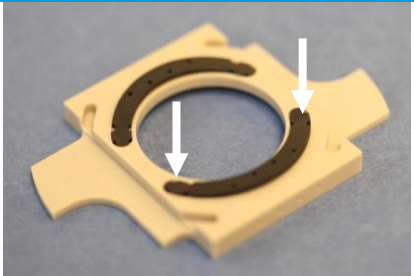
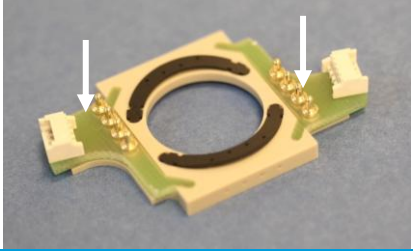
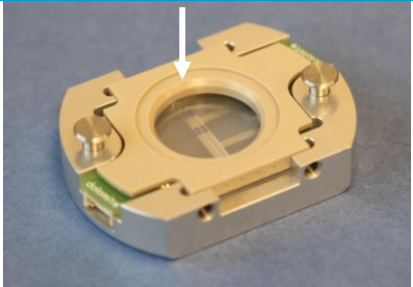
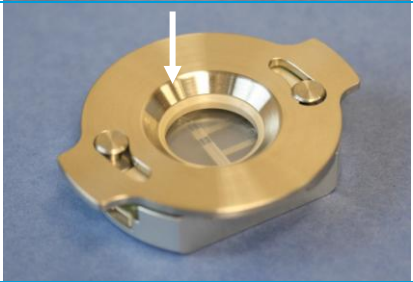


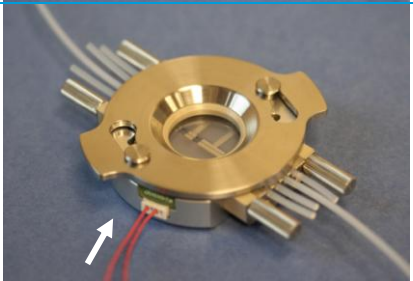
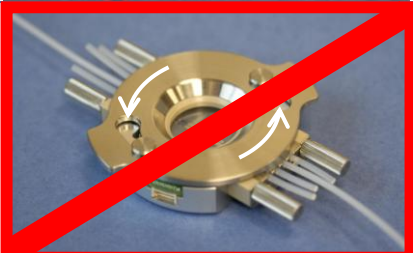


RESEALABLE CHIP INTERFACE

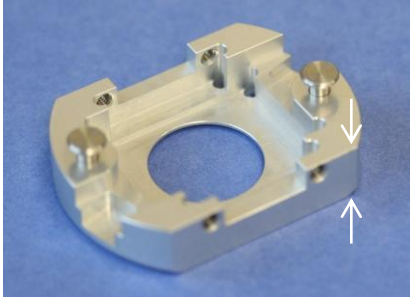
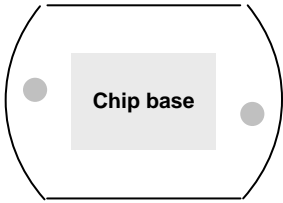
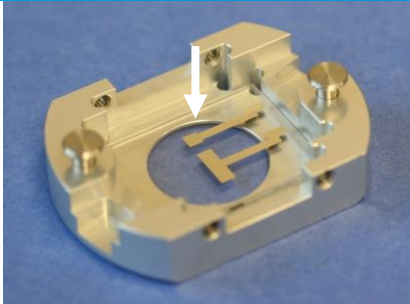
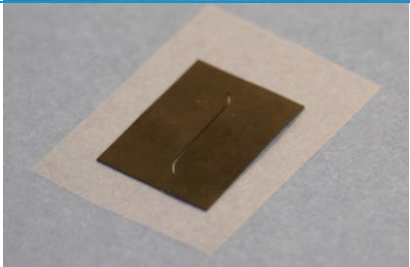
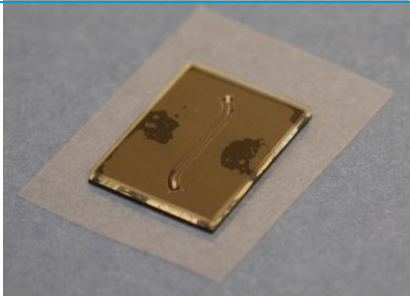
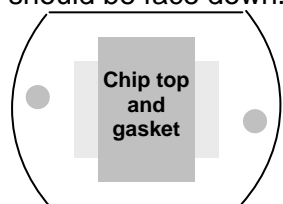
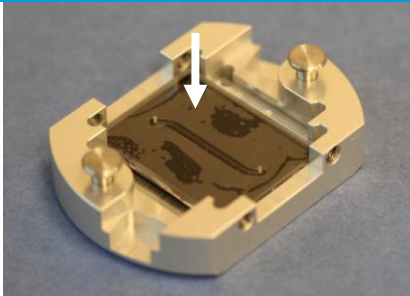
USER INSTRUCTIONS

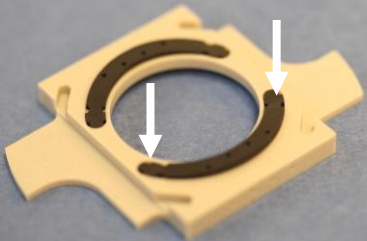
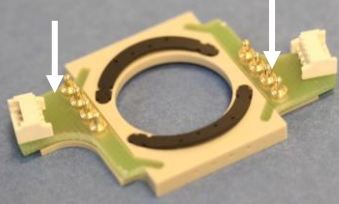
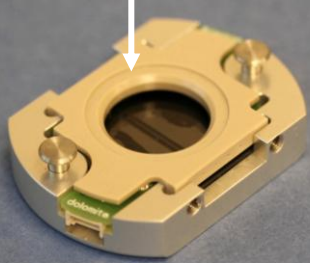
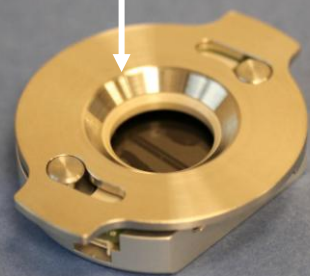
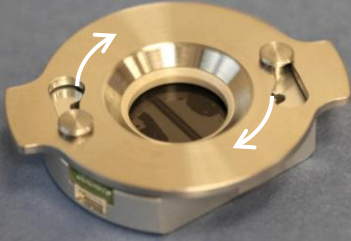

Assembly instructions for integrated or embossed gaskets

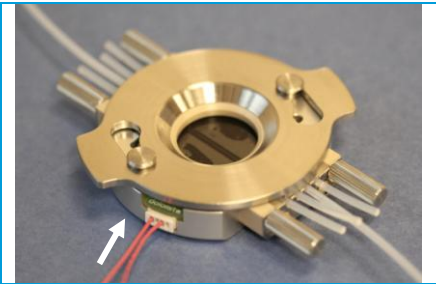
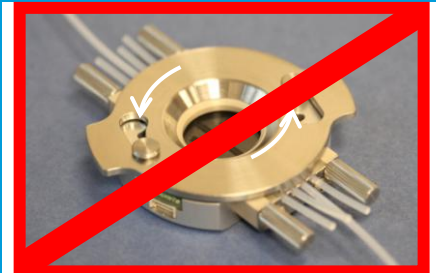
<p>1</p>	<p>Take the Standard Resealable Chip Interface Base (Part No. 3000148). The height of this holder is 10.2mm.</p>	
<p>2</p>	<p>Insert the base chip layer in the recess as shown. Any electrodes should be face up.</p> 	
<p>3</p>	<p>If there is a separate gasket place it over the base chip. Any embossed features should be face down.</p> 	
<p>4</p>	<p>Place the chip top layer over the base chip.</p> 	
<p>5</p>	<p>Insert the two seals into the PEEK manifold as shown. Make sure the ends of the seals are pressed into the holes. Also make sure the seals sit centrally in the slot with the holes in the seals aligned with the holes in the PEEK manifold.</p>	

<p>6</p>	<p>Insert the two Electrical Interface PCBs as shown.</p>	
<p>7</p>	<p>Place the assembly onto the chip top as shown</p>	
<p>8</p>	<p>Place the Chip Interface Top as shown.</p>	
<p>9</p>	<p>Rotate the Chip Interface Top as shown. This applies a compression force to the chip assembly.</p>	
<p>10</p>	<p>Connect the two Linear Connectors as shown and tighten the thumbscrews evenly.</p>	
<p>11</p>	<p>Plug in the electrical connectors as shown. The Resealable Chip Interface is now ready for use.</p>	
<p>12</p>	<p>The Chip Interface Top cannot be removed without removing the Linear Connectors first.</p>	

Assembly instructions for separate through-cut gasket layers

<p>1</p>	<p>Take the chip interface base for through-cut gaskets (the height of this holder is 9.5mm).</p>	
<p>2</p>	<p>Insert the glass base chip as shown (any electrodes face up).</p> 	
<p>3</p>	<p>Lay the through-cut gasket layer onto a clean surface</p>	
<p>4</p>	<p>Place the chip top layer over the gasket, aligning the holes in the chip with the holes in the gasket. Any etched features should be face down.</p>	
<p>5</p>	<p>Place the chip top and through-cut gasket over the base chip. The gasket layer should be face down.</p> 	

<p>6</p>	<p>Insert the two seals into the PEEK manifold as shown. Make sure the ends of the seals are pressed into the holes. Also make sure the seals sit centrally in the slot with the holes in the seals aligned with the holes in the PEEK manifold.</p>	
<p>7</p>	<p>Insert the two Electrical Interface PCBs as shown.</p>	
<p>8</p>	<p>Place the assembly onto the chip top as shown</p>	
<p>9</p>	<p>Place the Chip Interface Top as shown.</p>	
<p>10</p>	<p>Rotate the Resealable Chip Interface top as shown. This applies a compression force to the chip assembly.</p>	
<p>11</p>	<p>Connect the two Linear Connectors as shown and tighten the thumbscrews evenly.</p>	

12	Plug in the electrical connector as shown. The Resealable Chip Interface is now ready for use.	 A photograph of a gold-colored circular Resealable Chip Interface. A small electrical connector with red and black wires is plugged into a port on the side. A white arrow points to the connector.
13	The chip interface top cannot be removed without removing the Linear Connectors first.	 A photograph of the same Resealable Chip Interface, but with a large red 'X' drawn over it, indicating that the top cannot be removed without first removing the linear connectors.



The Dolomite Centre Ltd.

Unit 1, Anglian Business Park, Royston,
Hertfordshire, SG8 5TW, United Kingdom

T: +44 (0)1763 242491

F: +44 (0)1763 246125

E: info@dolomite-microfluidics.com

W: www.dolomite-microfluidics.com

Dolomite Microfluidics

29 Albion Place
Charlestown, MA 02129

F: 617 848 1211

F: 617 500 0136

E: salesus@dolomite-microfluidics.com

W: www.dolomite-microfluidics.com