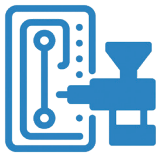


# PDMS

## Manufacturing

*Injection molding quality.  
Fast. Scalable. Affordable.*



**Integrated Mold**  
Closed mold,  
NOT SU-8 wafers.



**Precise Molding**  
Molded,  
NOT casted.



**Scalable Pipeline**  
By technicians,  
NOT scientists.

**Request a Quick Quote ▼**



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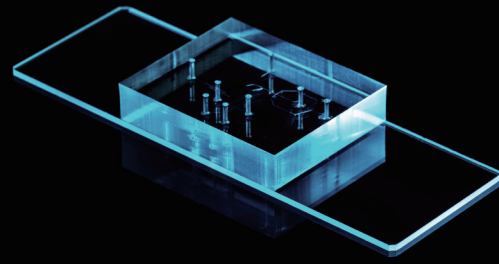


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Organ-on-chip



Droplet  
Microfluidics



Diagnostics



Single-cell  
Analysis

# HiComp PDMS Manufacturing Capabilities

Parameters	Specifications
Size	< 30 cm x 30 cm
Thickness	> 5 μm
Thickness uniformity	± 10 μm (thickness > 100μm)
Bonding strength	0.5 - 0.8 MPa
Multi-layer bonding	2 - 8 layers
Colored PDMS	Customizable
Surface Flatness	< 2 μm
Minimum through-hole Diameter	0.30 mm
Minimum Channel width	> 2 μm
Channel depth/width Ratio	< 10
Channel depth Tolerance	± 5%
Embedded Materials in PDMS	Membranes / Metals / Electrodes
Additional Capabilities	Reversible PDMS Bonding
Maximum capacity of production	80,000 pcs / month

