

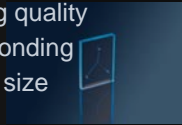
# Custom Microfluidics

## Design & Manufacturing

From CAD to Chips in 2 Weeks. One Partner. Every Material.

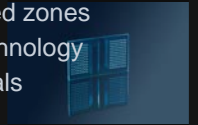
### ● PDMS Manufacturing

- Closed-mold, NOT cast — injection molding quality
- Gas-permeable, optically clear; 2–8 layer bonding
- Up to 80,000 pcs/month · 2 μm min feature size



### ● Cleanroom Injection Molding

- ISO 7 (Class 10,000) facility; ISO 6 localized zones
- Features down to 2μm via MEMS mold technology
- COC · COP · PC · PMMA · PS · PP materials



### ● MEMS Microfabrication

- 4/6-inch wafer; 2 μm feature size; AR up to 20:1
- Multi-layer SU-8 lithography · DRIE · Wet etch
- Silicon · Glass · Parylene C membranes



### ● Assembly & Integration

- Surface functionalization & bonding (>60 psi)
- On-chip reagent storage & lyophilization
- Semi- & fully-automated cartridge assembly



## APPLICATIONS

At Home / POC Test

Organ-on-a-Chip

NGS / Genomics

Brain-Computer Interface

In Vitro Fertilization

3D Cell Culture

Single-Cell Analysis

Drug Delivery

**500+**

Projects Delivered

**20M+**

Chips Manufactured

**1M+**

PDMS Chips Delivered

**ISO 13485**

Certified

**FDA**

Registered

### GET A QUOTE



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