



dolomite

standard

microfluidic
products

chips

microfluidic chips in glass
polymers, quartz, etc.

Innovators in microfluidic solutions

Why choose microfluidic chips from Dolomite?

Dolomite provides a wide range of microfluidic chips with different channel sizes, junction geometries and surface properties. Our microfluidic chips have excellent optical transparency and offer an outstanding chemical resistance allowing a broad range of solvents and chemicals to be used.

As the world leader in solving microfluidic problems, Dolomite offers a wide range of standard microfluidic components designed for **performance, ease of use** and **user flexibility**.

Fabricated to the highest quality standards in glass or quartz, our microfluidic chips benefit a broad range of application areas including **droplet generation, DNA analysis** and **drug discovery**.

Droplet Junction Chips

Operating over a wide temperature and pressure range, our Droplet Junction Chips are designed to generate droplets from **5 to 300µm** in diameter.

Available with different junction geometries, the chips enable users to produce **1 to 10,000 monodispersed droplets per second**.

Easy to use, all of Dolomite's Droplet Junction Chips have excellent optical transparency for **clear imaging of droplets**. Advanced **hydrophobic coating** treatments enable water-in-oil droplets to be generated as well as oil-in-water droplets.

T-Junction Chips

Quick and easy to connect, Dolomite's T-Junction Chips allow **mixing of two fluids**.

Our T-Junction Chips are available in both **hydrophilic** and **hydrophobic surface coatings** and are ideal for applications such as microreactions and droplet formation.

Dolomite provides a wide range of chips including:

| | |
|--------------------------|----------|
| Droplet Junction Chips | 3000158* |
| Small Droplet Chips | 3200136* |
| Droplet Generation Chips | 3000048* |
| Microreactor Chips | 3000278* |
| T-Junction Chips | 3000014* |
| Y-Junction Chips | 3200008 |
| Micromixer Chips | 3000144* |
| Long Channel Chips | 3200062 |

*To view all part numbers please visit our microfluidic web shop

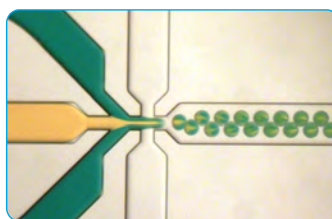
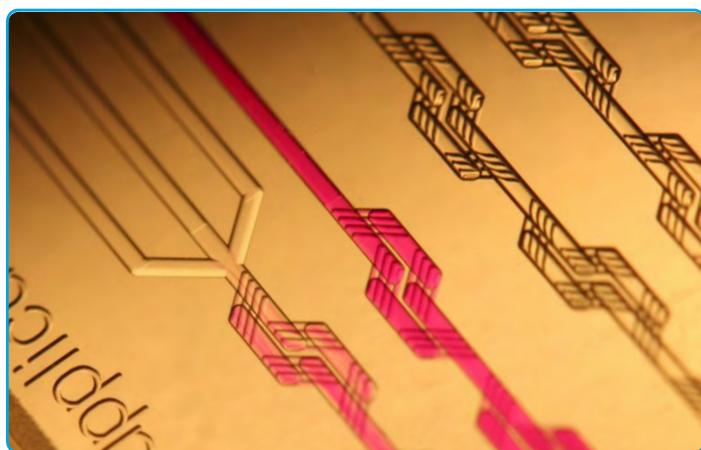
Micromixer Chips

The Micromixer Chip is designed for **millisecond mixing** of up to **5 fluid streams** (when using both channels).

This glass microfluidic device features two independent channels allowing **extremely rapid mixing** across a range of **flow rates**. Fast mixing times are needed for many applications including reaction kinetics, sample dilution, rapid crystallization and nanoparticle synthesis.

Custom option

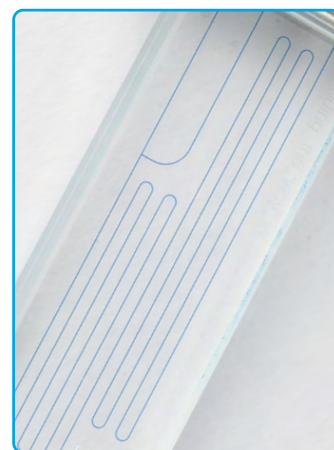
Our microfluidic chips can be customized in many ways. Please contact us to discuss your exact requirements.



Left: Millisecond mixing of fluid streams Micromixer Chip (Part No. 3000144)

Above: Droplet Generation Chips to generate droplets made up of one, two or three reagents

Right: T-Junction Chips for the mixing of two fluids



Innovators in microfluidic solutions

ISO 9001:2008 certified



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, USA

T: +1 617 848 1211
F: +1 617 500 0136
E: info@dolomite-microfluidics.com
W: www.dolomite-microfluidics.com