



profile
microfluidics expert
dolomite

company

the one-stop-shop for all
your microfluidic needs



Innovators in microfluidic solutions

World leader in solving microfluidic problems

Dolomite is regarded as a “centre of excellence” for the design, prototyping and manufacture of microfluidic solutions. By pioneering new microfluidic devices for small-scale fluid control and analysis we have enabled scientists and engineers around the world to develop more compact, cost-effective and powerful instruments.

Microfluidics, also known as “lab-on-a-chip” is an emerging technology that is changing the future of scientific instruments. Microfluidics is essential for anyone who works with very small quantities of fluids and needs to handle, measure or analyse them.

Established in 2005 as the world’s first microfluidic application centre, Dolomite has fast become the world leader in solving microfluidic problems.

Over the past five years we have launched many leading-edge products including the revolutionary MitoS P-Pump and Micro Droplet Systems. We are also proud to be the home of the world’s first microfluidic connector which allows fast and reliable multi-way connection between chips and tubing.

Dolomite, the right partner with the right expertise!

- World class micro-fabrication facilities including cleanroom and high precision glass processing facilities
- Excellent drilling, dicing and ultrasonic machining techniques with vertical sidewalls from as little as 100µm to more than 10mm in diameter
- First class wet-etching of microchannels with etch depths from nm to mm
- World leading thermal bonding processes
- Innovative design engineers
- Expertise in software and hardware development
- Excellent understanding of scientific requirements
- Unrivalled lead times



Left: Microfluidic devices are fabricated in Dolomite’s class-1000 cleanroom

Above and Right: Productizing Science: Dolomite has the expertise and experience to turn your concept into reality.



Standard solutions

Connecting microfluidic devices to macro-scale systems presents many challenges. To help ensure success, Dolomite provides off-the-shelf solutions designed for **performance**, **ease of use** and **flexibility**.

Our standard product range includes **microfluidic chips**, **connectors**, **pumps**, **valves** and **flow sensors** as well as system solutions for **droplet generation**.

Custom device solutions

Dolomite works with customers around the world to develop a versatile and complex variety of **custom devices**, including chips and connectors, available in exceptionally **short lead times**. Please contact us to discuss your requirements.

Bespoke instrument solutions

Our key strength lies in offering a complete service from **problem conceptualisation** and **feasibility testing** through to **full instrument design and development**.

We have a track record of taking early stage microfluidic technologies and developing award winning, user friendly scientific instruments and systems.

By Productizing Science we can help you take **your ideas** to the next level and turn them into successful **market leading products**.

Let us take your ideas to the next level!

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ISO 9001:2008 certified



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