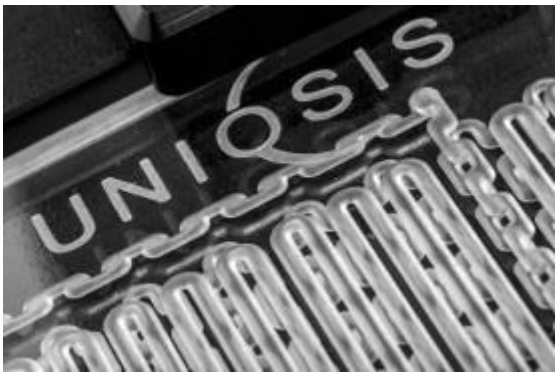
How to improve the reproducibility of your flow chemistry

To enhance the reproducibility of flow chemistry scale-up - precise control of mixing and temperature in highly exothermic or rapid reactions is essential.



Glass Static Mixer (GSM) chip reactor blocks
The expanding range of **Glass Static Mixer (GSM) chip reactor blocks** from **Uniqsis** produce an efficient, turbulent mixed reagent stream for flow chemistry reactions that is not diffusion dependent.

Available in sizes
from 270µl to 20 ml, the Uniqsis range of high-quality GSM chips can be used to perform reactions from -80°C to over 150°C. GSM chips up to 2 ml can be operated up to 40-bar and are available in 2-channel or 3-channel inlet configurations. Larger GSM chips of 10ml and 20 ml have a premixing channel followed by a residence domain and can operate up to 10-bar.

Glass Static Mixer chips
can be used as mixing modules prior to a coil reactor residence time unit, or as reactor blocks for rapid exothermic reactions.

GSM chips
from Uniqsis are precision machined from inert borosilicate glass to withstand a wide temperature range and can be conveniently attached to a FlowSyn column heater module, Cold Coil or Polar Bear Plus cryogenic reactor module.

For further information
please visit https://www.uniqsis.com/paProductsDetail.aspx?ID=ACC_CHIP or contact Uniqsis on +44-1223-942004 / info@uniqsis.com

Uniqsis Ltd.
Since 2007, has specialised in the design and supply of mesoscale continuous flow chemistry systems for a wide range of applications in chemical and pharmaceutical research. The company's aim is to make flow chemistry easily accessible to both novices and experienced users.

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