

Continuous flow

Cambrex is **the** small molecule company that provides drug substance, drug product and analytical services across the entire drug lifecycle. Enjoy working with our experts to accelerate your small molecule therapeutics into the market.

Expertise

Building on our multi-decade industrial experience, Cambrex offers continuous flow process development services to provide our customers with route scouting, process development, process optimization, or scale-up and commercialization depending upon the stage within a program's lifecycle.

The benefits of our continuous flow process development services include:

- **Enhanced purity and product quality through improved control**
- **Improved process safety, especially with toxic or energetic chemistries**
- **Lower operating costs**
- **Ability to incorporate constant real-time analytics**
- **Reduced process mass intensity**
- **Development of chemistry on a commercial-ready skid**

Our team of experts can assess processes for suitable application of continuous flow culminating in the custom development of processes incorporating proof-of-concept to cGMP manufacturing and commercialization.

Capabilities

- **High pressure & high temperature capabilities**
- **Multi-phase system capabilities**
- **Reaction kinetics screening**
- **Reaction condition development & optimization**
- **Critical parameter identification**
- **Capture & provide robust process data packages to support further development**
- **Assessment of process analytical technologies (PAT) for monitoring & control**
- **Analytical method development & integration into continuous flow process**
- **Development of process-specific control & regulatory strategy**
- **Development of continuous extraction/separation/crystallization**
- **Incorporation of in-line wet milling to control particle size**
- **Telescoping of multiple continuous flow steps/unit operations**
- **Integrating individual flow steps within traditional batch processing**
- **Development of novel technologies & equipment to support client process needs**
- **Process optimization & technology transfer**
- **Proof-of-concept & engineering campaigns**
- **Scale-up & manufacturing**