

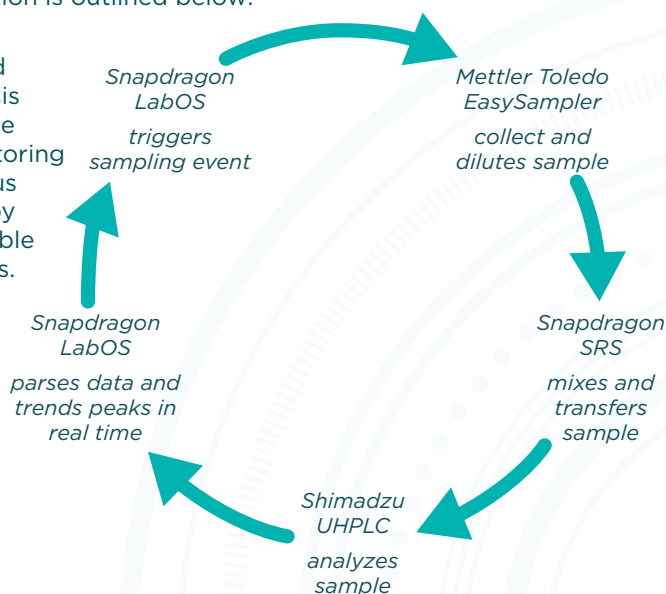
Sample Relay System™

Snapdragon Chemistry's Sample Relay System (SRS™) can enable online automated sampling and LC analysis using a Mettler Toledo EasySampler as the sampling interface and a Shimadzu Nexera UHPLC via Shimadzu LabSolutions software.

The SRS collects the diluted sample from the EasySampler, mixes it, and transfers it to the UHPLC for analysis. The sampling sequence as well as real-time plotting of data is enabled with Snapdragon LabOS™ software.

The principle of operation is outlined below:

Automated triggering of sampling events and automated data analysis enable the system to be used for process monitoring and enable autonomous process optimization by making the data available to optimizer algorithms.



Specifications

SRS Wetted materials	PEEK, FFKM, PTFE, PFA
Liquid connections	Inlet, Outlet, Waste, and Vent. All fittings ¼"-28 flat bottom IDEX-type
Dilution factor	100-750X
Repeatability	≤ 2% RSD (200X)
Linerity	R ² ≥ 0.999
Run-to-run carryover	≤ 2% (200X)
Cycle time	≥ 6 minutes
Nitrogen supply pressure	30-50 psig via 0.25 inch OD push-connect fitting
Safety features	Leak sensor, temperature sensor
Max ambient temperature	30 °C
Dimensions, weight	W9 x H9 x D9 inches (W229 x H229 x D229 mm), 15.2 lbs (6.88 kg)
Electrical requirements	100-240 VAC / 50-60 Hz (IEC C14 connector)

Specifications for the EasySampler (wetted materials, temperature, pressure rating) are available from Mettler Toledo.



About Cambrex

Cambrex is a leading global contract development and manufacturing organization (CDMO) that provides drug substance development and manufacturing across the entire drug lifecycle, as well as comprehensive analytical and IND enabling services.

With over 40 years of experience and a team of 2,000 experts servicing global clients from North America and Europe, Cambrex offers a range of specialized drug substance technologies and capabilities, including continuous flow, controlled substances, liquid-phase peptide synthesis solid-state science, material characterization, and highly potent APIs.

About Snapdragon Chemistry

Snapdragon Chemistry specializes in active pharmaceutical ingredient (API) batch and continuous flow process development, utilizing state-of-the-art automation technology and proprietary equipment to solve complex process and analytical development challenges.

With R&D and manufacturing headquartered in Waltham, Massachusetts, Snapdragon's 70+ employees come with strong ties to the local scientific community, with more than 30 Ph.D. scientists on staff.