

End-to-end analytical workflow solution—Vanquish UHPLC Loader

Discover the potential of a truly connected analytics workflow with the Thermo Fisher Scientific suite of biopharma analysis instruments and software

One of the biggest challenges preventing end-to-end automation in the analytical science lab is the inability to efficiently connect sample preparation platforms to analytical instruments. There is an increased need for diverse and connected solutions for research labs to ensure business continuity without compromising on productivity and data reproducibility.

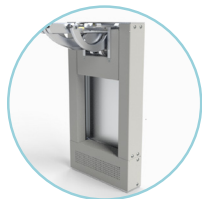
Take your analytical science to the next level with the Thermo Scientific™ Vanquish™ UHPLC Loader. With little to no human intervention, you can now automate your entire analytical workflow creating a fully automated solution from upstream sample prep to downstream analysis. The Loader effortlessly integrates with any Thermo Scientific™ Vanquish™ UHPLC System to provide superior performance, robustness, and ease-of-use.

Shift the focus to data—not just sample handling

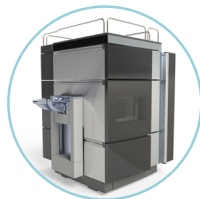
Integrate the Vanquish Loader with a robotic mover such as the Thermo Scientific™ Spinnaker™ Microplate Robot and link your analytical devices with sample prep instruments upstream. This complete workflow automation solution is powered by Thermo Scientific™ Momentum™ Workflow Scheduling Software along with Thermo Scientific™ Chromeleon™ Chromatography Data System (CDS) Software. The seamless integration facilitates sample specific information to be passed from the sample container to the analytical software making it convenient for data analysis.

Full flexibility for connecting your workflow

Momentum's 350+ driver library of devices as well as the Unite module's capability to connect external services (LIMS, ELN, etc) provides a powerful and flexible solution that can integrate a wide variety of instruments and software providing an integrated analytical workflow.



Vanquish
UHPLC Loader



Vanquish
UHPLC System



Spinnaker
Microplate Robot



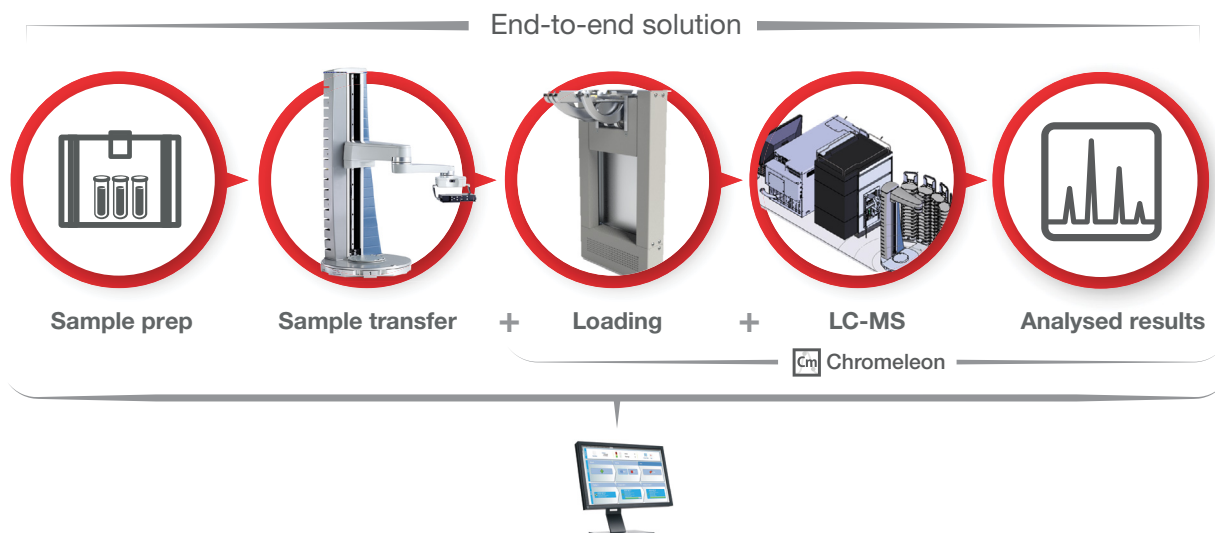
Momentum
Workflow Software



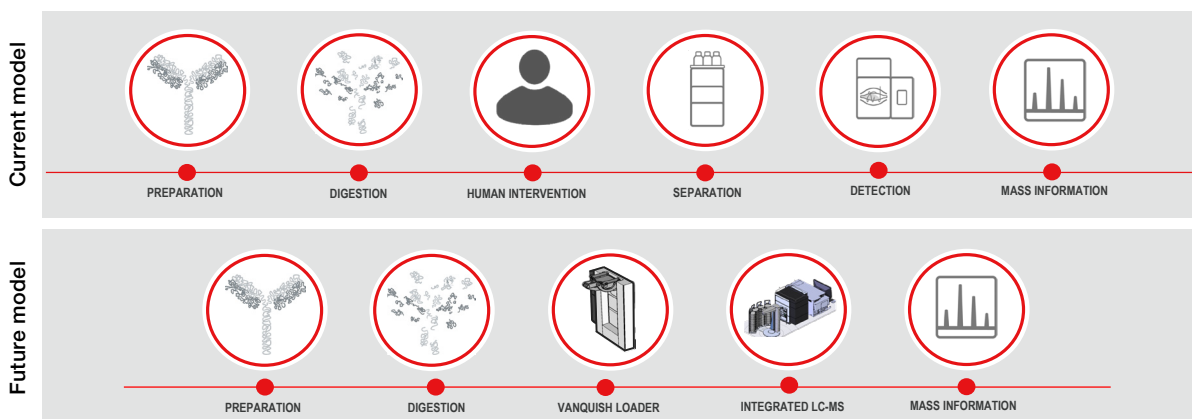
Chromeleon
CDS Software

Automated analytics workflow—Vanquish Loader

The Vanquish UHPLC Loader improves the efficiency and productivity in several applications.



Here is an example of the Peptide mapping workflow using this technology.



There are several other benefits to using the Vanquish UHPLC Loader including unrivaled performance and throughput for your most complex and difficult samples.

- Minimizes sample handling
- Eliminates human error
- Improves reproducibility
- Enables high throughput workflows
- Minimizes need for FTE
- Works with any model of Vanquish UHPLC system

Applications

- Monoclonal antibodies
- Biologics
- Drug screening (small molecule)
- Environmental

Find out more at [thermofisher.com/labautomation](https://www.thermofisher.com/labautomation)