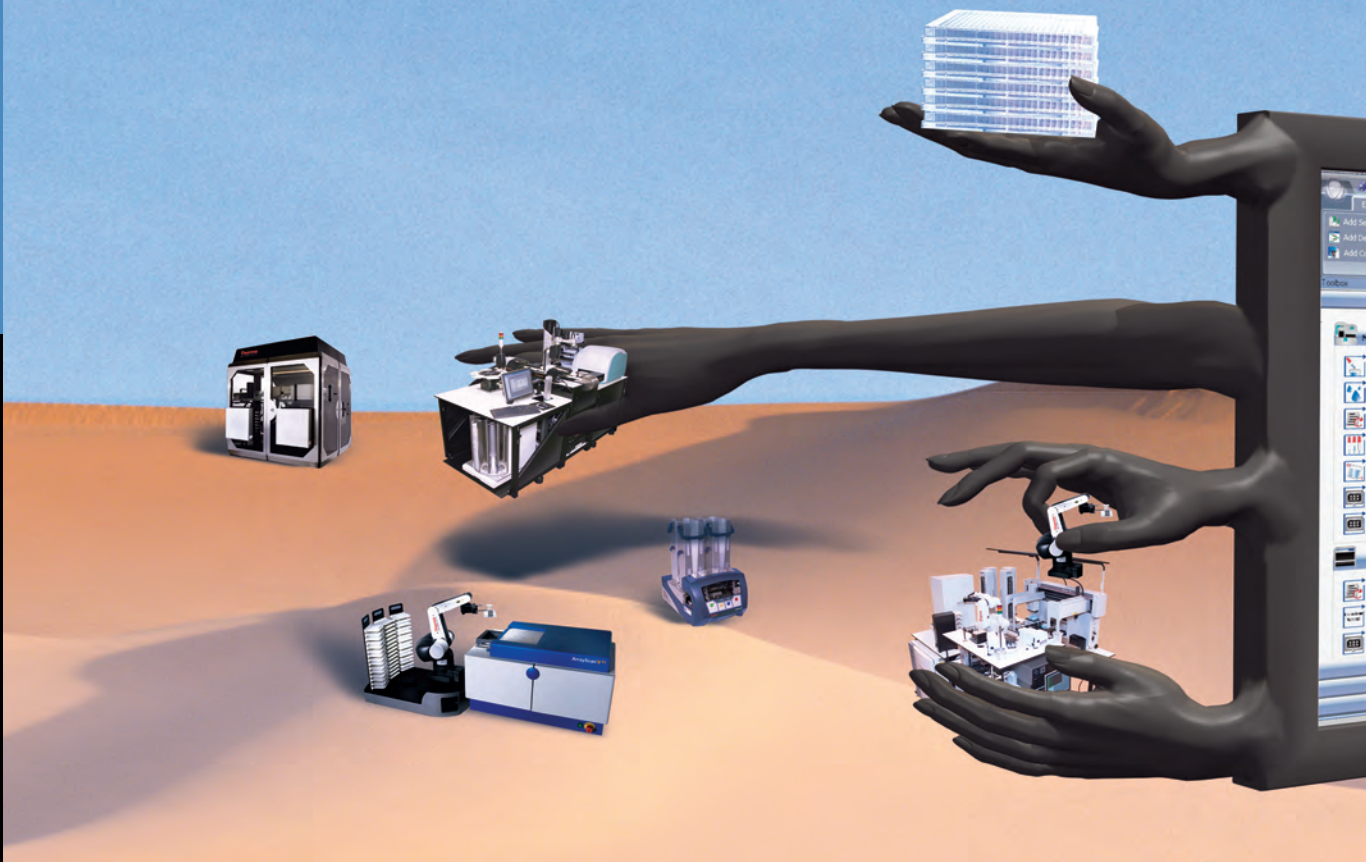


**Thermo Scientific  
Momentum  
Laboratory Automation  
Workflow Software**



**Give your lab Momentum, the open solution designed  
for speed, reliability, and flexibility.**



### Unequaled Achievement

Thermo Scientific Momentum™ moves laboratory automation software far forward, attaining whole new levels of performance, reliability, and ease.

To achieve a comprehensive redesign of all that's gone before, Momentum designers answered critical questions.

How does the user work? Momentum lets users define, execute, and monitor complex processes in a powerful yet easy-to-use visual environment.

How open can a system be? Momentum provides control and data integration for any appropriate third-party device.

How can lab workflow be radically improved? The data-centric design delivers simplified integration of data flow upstream and downstream of the process, plus exceptional tracking of samples and results.

How reliable can an automated system be? While integrating an ever

expanding list of instruments, Momentum isolates problems and provides recovery options for attended and unattended modes to keep your science moving.

Supplied with other advanced Thermo Scientific laboratory systems, the software builds on more than 20 years of proven success in system integration and high-throughput lab automation.

The power, scope, and flexibility make Momentum the last laboratory automation software you will ever need.

### Unparalleled Advantages Advanced Workflow

Momentum keeps revolutionizing your laboratory's workflow, day after day. Its unique design is highly adaptive to complex real-time conditions. The easy-to-use visual environment allows for advanced decision-making, as well as for monitoring multiple workflows and

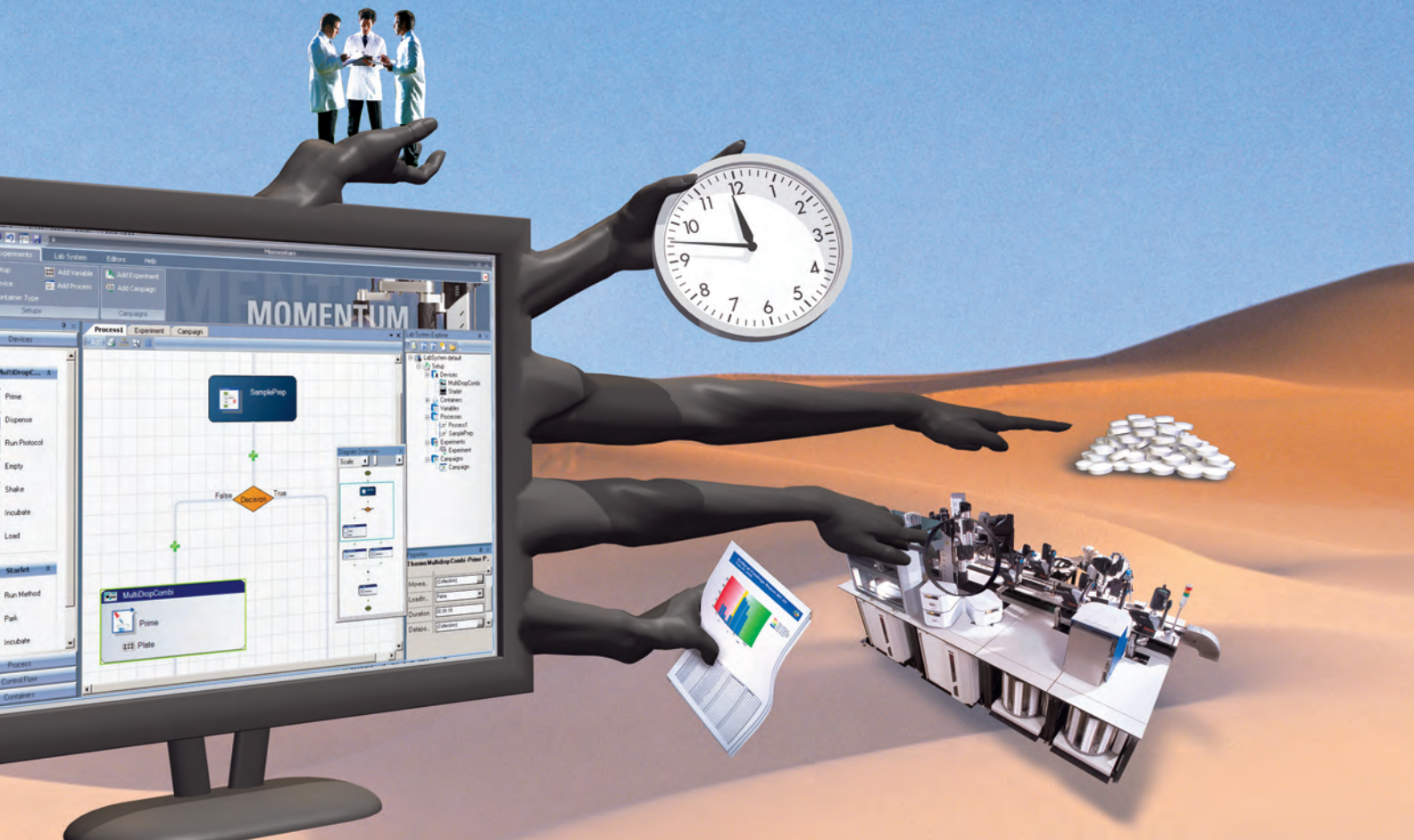
integrating offline processes. Users can define virtually any method.

*Sophisticated decision-making.* Tedious individualized data handling becomes obsolete. With data-tracking, analysis, and reporting at the core of the software, real-time decision-making is finally a reality. The system collects and analyzes information continually, allowing for a multitude of workflows.

*Exceptional sample & inventory management.* Historical, current, and future-state information on dispensing and container contents is integrated smoothly with notification and decision-making.

### Plug-in Architecture

Many scientists prefer specific tools such as data analysis and management. Momentum lets you integrate these, while upgrading to the most advanced automation platform on the market. This solution allows for quick and efficient integration of third-party tools. Ask about personalizing your experience.



*Phenomenal Error Management for truly reliable walk away time.* With Momentum your system is much greater than the sum of the parts. No automated device is perfect but your system recovery should be. Take devices and movers offline to solve problems, reteach positions or hotswap for the fastest possible recovery while protecting your valuable samples.

Armed with process and runtime validation, deadlock/bottleneck detection and avoidance, coupled with a comprehensive range of recovery modes, Momentum gives your automation a 'never give up' attitude.

#### **Open Topology**

Momentum provides the ultimate in connectivity. Open topology makes it easier to integrate and extend your automated system within your workflow.

*Collaborative solutions.* Expand the possibilities of your research across multiple labs, or across the globe. For the first time, you can link together

islands of automation (including third-party instruments), integrate offline processes, and synchronize multiple applications. Allow one software platform to streamline your entire enterprise.

*Mover mix.* Traditional lab automation software only allows the user to select from a limited range of mover types and configurations. Momentum has been designed to be mover agnostic, allowing you to select the optimal combination of movers including arms, conveyors, tracks, etc. to design your system to match your performance and speed requirements. Momentum provides you the freedom of choice to match your present and future needs.

Momentum takes full advantage of all the latest and most powerful software technology tools, from .NET 3.5 Framework to Windows Presentation Foundation (WPF), ensuring maximum flexibility and exceptional operational longevity.

#### **Unlimited Applications**

*Momentum provides ideal solutions for drug discovery, drug development, and biotechnology, including the following:*

- HTS/HCS screening
- ELISA and variants
- Closed-loop/secondary screening
- Sample preparation/extraction
- Compound management (storage/retrieval) and hit picking
- Proteomics workflows
- Functional genomics and target identification
- Automated cell research applications
- Chromatography and mass spectrometry
- Laboratory workflow management

**Keep your laboratory systems moving forward. Ask your ThermoFisher Scientific representative about breakthrough Momentum software today.**

## **Thermo Scientific Services**

**We are committed to helping your laboratory achieve success. Our solutions ensure that your automation systems are optimized for accuracy, productivity, and performance. We offer flexible solutions:**

- **Service agreements**
- **Preventative maintenance plans**
- **Software upgrades**
- **Software application support**
- **Technical support**
- **Integration services**
- **Relocation services**
- **Training**

**Contact a Thermo Fisher Scientific representative to tailor the service solution that best meets your needs.**

### **Laboratory Automation**

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