Thermo Scientific
POLARA® Scheduling
Software

Reliable automation scheduling and control software

Thermo
SCIENTIFIC

LIMS

ARM System

CataLyst Express

POLARA
Control & Scheduling Software

Instruments

Dimension4™ System

RapidStak™

Automated Drug Discovery Platforms
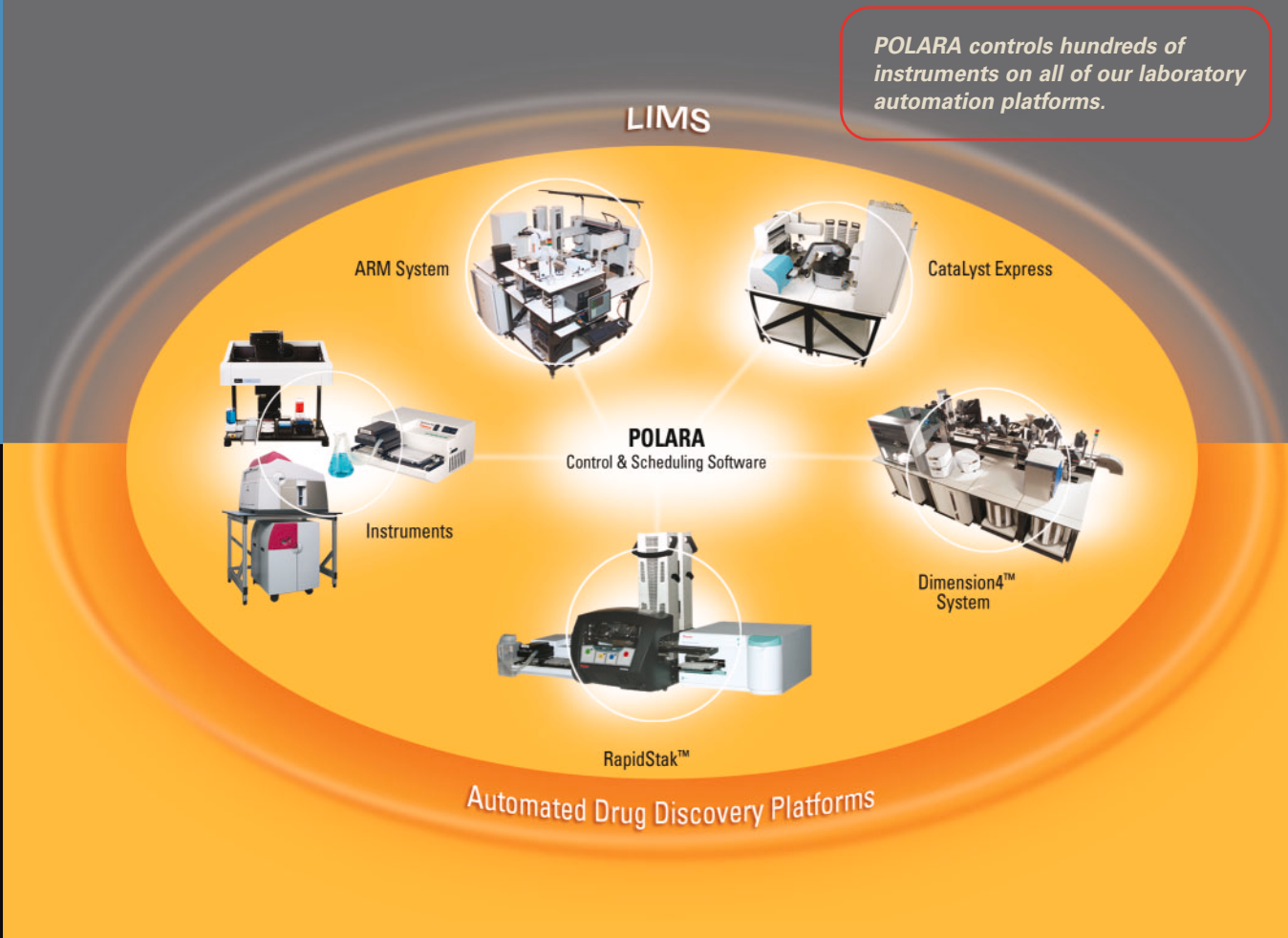
Thermo Scientific POLARA Scheduling Software

Unmatched Advantages for the Scientist

As a drug discovery researcher, you can imagine a host of advantages you'd want from an ideal integration and scheduling software solution:

- Reliable, walk-away automation
- Easy integration with all your instruments
- Simple, intuitive user interface
- Easy editing and assay development methods
- Intelligent error handling and recovery
- Connectivity to databases and enterprise software (LIMS)

Thermo Scientific POLARA software is proven to deliver all this, and more. Its communications capabilities remain unsurpassed. Connect virtually any instrument in your lab. If it can be communicated with, POLARA can control it.

Best of all, POLARA thinks the way you think, and works the way you work. Its intuitive user interface is structured to develop methods and protocols as a research scientist does. You tell it the assay steps; the software finds the optimum solution.

Unequaled Performance for the Lab

A single POLARA package can schedule multiple applications simultaneously for dynamic, high-throughput processing.
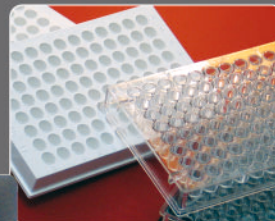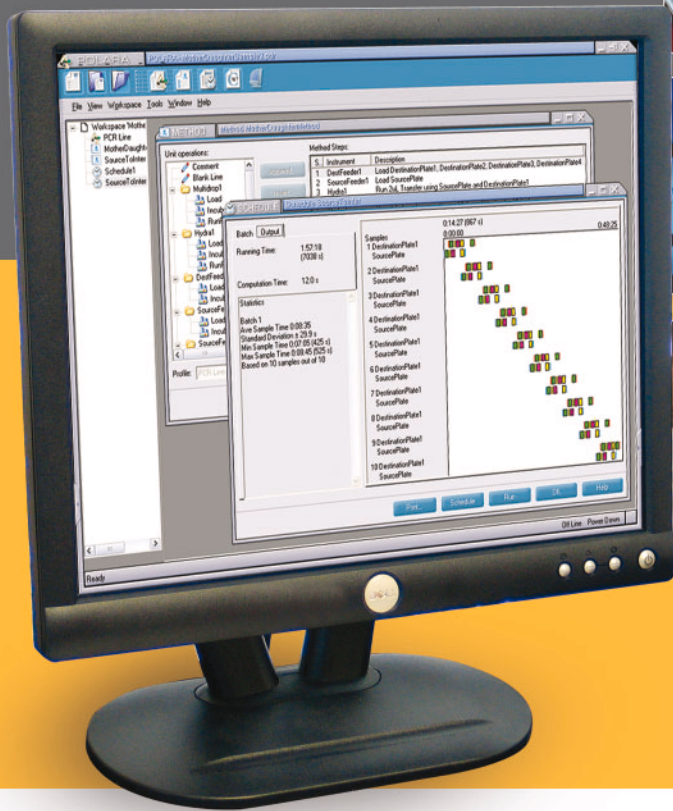
POLARA expands easily to meet a broad range of laboratory challenges, from small benchtop automation to complete room-sized solutions. Its highly flexible performance helps researchers handle their most demanding drug discovery applications, such as:

- Genomics
  — DNA purification
  — Gene expression
  — Sequencing reaction setup

- Proteomics
  — Protein purification
  — Protein crystallography
  — Protein digestion/MALDI sample prep
- Screening
  — HTS
  — High-content/cell-based screening
  — ELISA
  — ADME/Tox
  — Many more

Proven Productivity

For almost a decade, POLARA-powered systems have been performing high-throughput lab automation at major pharmaceutical, healthcare, and biotech firms worldwide. With the experience of hundreds of system integrations, we can provide counsel to suggest the best instruments/peripherals, to facilitate future upgrades, and to expedite integration with upstream and downstream data. Put proven productivity to work in your lab.

Flexible Integration

The signature feature of POLARA is its ability to easily reconfigure your system by adding new instruments or replacing existing ones. Instruments can even be swapped among POLARA systems with ease. The software reliably communicates with more than 250 instruments and peripherals, and the list is continually growing. So staying up-to-date with new drug discovery technologies is guaranteed. If there is no existing interface, we can create one. POLARA also integrates with most laboratory information management systems (LIMS).

Intuitive Scheduling

To maximize component usage and minimize wait times, POLARA utilizes Intuitive Scheduling Technology. This advanced functionality determines the quickest and most efficient method of running assays, and graphically communicates this information back to the operator.

Intelligent Error Handling and Recovery

The software's superior communication ability allows for swift and efficient error management. Its highly versatile Run-Stop-Resume functionality provides the operator with choices. Should the system stop for any reason, all processes and actions are fully recorded, permitting the opportunity to resume, abandon, or postpone the run.

Offering both attended and unattended modes, POLARA allows true walk-away automation. The system will notify operators of any errors or warnings as well as run completions.

Continuous Processing

With Batch Extension, operators can keep adding more samples without interrupting the current run. These can be for the same or even different assays, and batches can be added during a run.

Regulatory Compliance

The software allows compliance with the U.S. FDA's 21 CFR 11 electronic validation regulations. POLARA keeps secure, detailed logs as it tracks all operator actions, system functions, and instrument data.

Annual Upgrades

As technology advances, POLARA continually evolves to incorporate new features for ever-expanding capability. Recent highlights include:

- Run Extension — allows adding new samples mid-run
- Run Resume — lets you save a run for later restart
- Batch Addition — enables adding new assays on the fly

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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.

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