

**Thermo Scientific  
RapidStak™ Microplate Stacker  
with Polara® RS**



**Do More ...**

**Work Less ...**

**Liberate yourself with the fastest, easiest,  
most flexible benchtop automation solution on  
the market.**

*Two instruments can be automated to save time and increase throughput.*



Thermo Scientific RapidStak™  
Microplate Stacker with Polara® RS

### A Powerful Productivity Solution

Thermo Scientific RapidStak is the fastest, most efficient microplate stacker in its class. Its robust performance, high throughput, and reliable operation allow you to simply load it with plates and walk-away with confidence. The RapidStak now offers even greater versatility with the ability to automate virtually any two instruments simultaneously with the addition of Thermo Scientific Polara RS software. More than ever, the RapidStak liberates you from routine tasks and allows you to use your time more effectively.

### The Possibilities Are Endless

Dual-instrument loading makes the RapidStak one of the most versatile stackers on the market. Plates can be delivered and processed using two instruments simultaneously, saving time and increasing throughput. The system seamlessly integrates with virtually any Thermo Scientific or third-party instrument, so you can perform an endless range of applications and assays. For example these might include:

- Two dispensers for high-throughput bulk dispensing, multiple reagents, or start-and-stop reactions

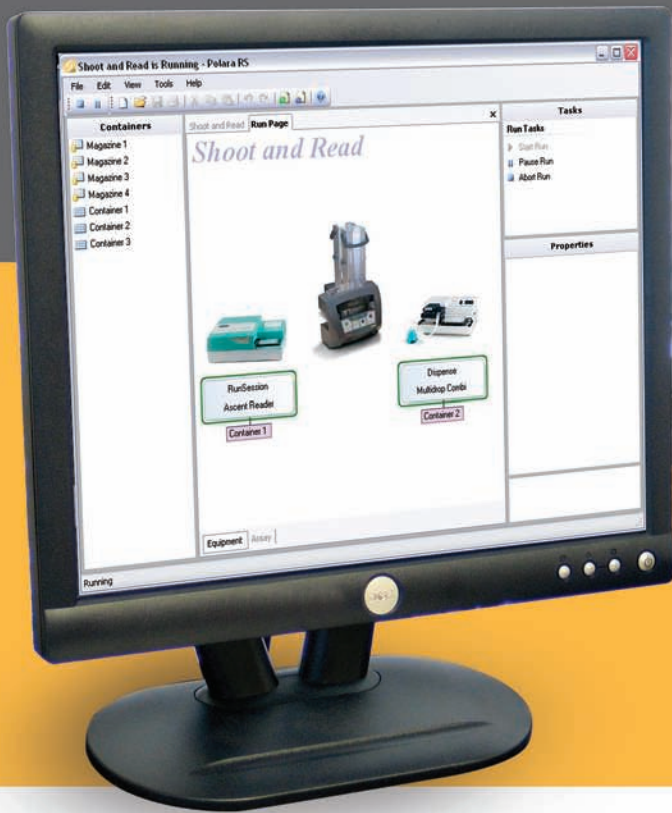
- Dispenser and detector for shoot-and-read or timed read
- Two detectors for high-throughput detection assays
- Dispenser and washer for simple ELISA
- Dispenser and incubator for cell culture/feeding
- Dispenser and sealer for plating and sealing

RapidStak is ideal for almost any kind or size of lab using microplates for drug discovery. In pharmaceutical and biotechnology laboratories, the solution can work with existing large automation systems to handle high-volume plate preparation. In smaller screening labs, it can provide higher throughput automation for a myriad of drug discovery applications.

### RapidStak: Head of its Class

The RapidStak provides fast, reliable laboratory automation. It delivers a plate in a blazing fast 6 seconds or less, or up to 300 plates an hour. Set-up is so easy it can be done in the lab in minutes and no tools are required. The RapidStak is also:

- Upgradeable — easily triple the capacity of your unit, even in the field



*Polara RS seamlessly integrates with virtually any third-party instrument to perform an endless range of applications and assays.*

- Dependable — backed by our reputation for proven automation solutions
- User friendly — simple setup and operation minimizes instrument downtime
- Compact — compressed unit fits in a bio-safety cabinet

### **Thermo Scientific Polara RS: A Complete Solution**

Polara RS is the proprietary software package that transforms any RapidStak microplate stacker into a complete, optimized benchtop assay solution. With the new software, RapidStak can be programmed to perform almost any plate-loading application, from loading a liquid handler deck to automating an endless variety of two-instrument assays. Polara RS will streamline your lab processes with features that include:

- Full, intuitive instrument control, with drag-and-drop graphical user interface
- Ability to control, automate, and schedule most lab instruments
- Compatibility with the majority of microplate instruments and plates
- Easy field installation or upgrade

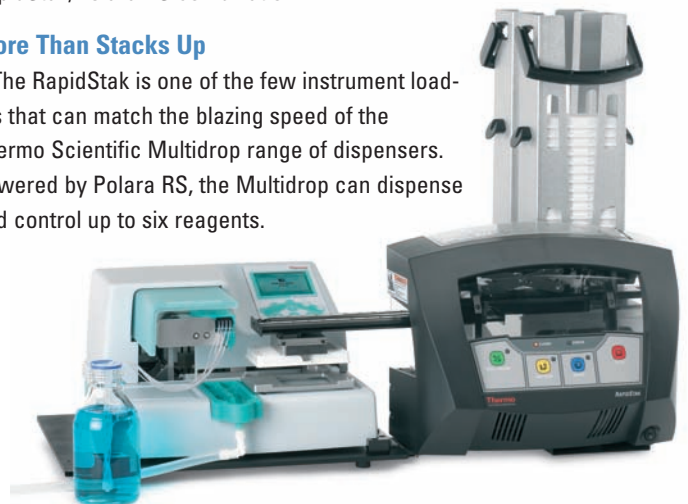
- Error handling/recovery and barcode reading
- Offline simulations to maximize reagent and instrument usage

Expand your research possibilities and take your lab to whole new level of productivity with our revolutionary benchtop automation solution.

RapidStak with Polara RS liberates you from routine tasks and allows the most effective use of your time. Ask your sales representative today to demonstrate how easy automation can be with the RapidStak/Polara RS combination.

### **More Than Stacks Up**

The RapidStak is one of the few instrument loaders that can match the blazing speed of the Thermo Scientific Multidrop range of dispensers. Powered by Polara RS, the Multidrop can dispense and control up to six reagents.



*We have high-performance microplate readers, washers and bulk reagent dispensers to meet your individual needs.*



### **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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