Versatile, Flexible, Fast

Agilent BenchCel Workstations
Increasing your productivity with laboratory automation should be simple and straightforward. Your choice of instrumentation shouldn't stand in your way – ease of adoption is a critical factor for getting maximum value out of automation, sooner.

**Make your routine microplate workflow easy and reliable**
Agilent BenchCel Workstations are designed to offer a complete automation solution for routine research laboratory microplate workflows. Available product configurations address common microplate applications such as plate sealing, barcode labeling, serial dilution, plate replication, etc. At the center of each workstation is the Agilent BenchCel Microplate Handler.

Let Agilent take the challenges out of your routine high-throughput research lab applications and give you more walk-away time.

**Versatile configuration**
Integrated with numerous Agilent devices, including the Agilent Bravo Automated Liquid Handling Platform

**High-speed transfers**
8-second transfer time from stack to instrument

**Scalable operation**
2, 4, or 6 labware rack options

**Adjustable plate capacity**
Handles up to 60 standard SBS microplates per rack

**Multiple labware rack options**
Top-load and front-load options available in different sizes

*Agilent BenchCel Microplate Handler.*
Automated Plate Sealing

**Fast cycle times**
Process at least three microplates/minute with no required cool down period

**Flexibility**
PlateLoc automatically accommodates various ANSI-compliant microplates

**Wide choice of microplate seal**
Compatible with aluminum or optically clear seals (pierceable or peelable)

**Expandable functionality**
Platform can be integrated with additional instruments to enable new applications:
- PlateLoc Microplate Barcode Labeler
- Microplate Centrifuge
- Automated Bravo Liquid Handling Platform

**Common plate sealing applications**
- Pharmaceutical compound storage and screening with large volumes of microplates that require sealing
- Genomic research needing reliable and consistent seals for thermal cycling operations
- Assay supply of ready-to-use plate-based chemistry requiring sealed microplates
Automated Plate Labeling

**Fast cycle times**
Process at least three microplates/minute with no hands-on time

**Flexible labeling options**
Add up to 4 barcode labels (1D, 2D, or human readable) per microplate

**Integrated barcode reader**
Verify barcodes applied to labels, log barcode activity, or clone barcodes

**Expandable functionality**
Integrate with additional instruments to enable new applications:
- PlateLoc Thermal Microplate Sealer
- Automated Bravo Liquid Handling Platform

**Common plate labeling applications**
- Cell culture research applications processing large numbers of microplates requiring traceability
- Pharmaceutical compound storage and screening applications with high volume, on-the-spot custom labeling requirements
- Generic and custom barcoded pre-labeling for microplates
- Printing of lot numbers and other key manufacturing information for plate-based chemistry kits
Automated High-Throughput Screening

Precise pipetting
The Agilent Bravo Liquid Handling Platform achieves highly accurate and reproducible transfers for your liquid handling needs

Multiple BenchCel configurations
Systems can be configured with different sizes of our BenchCel Microplate Handler to meet throughput requirements

Application versatility
Variety of Bravo on-deck accessories opens up numerous sample preparation workflows

Expandable functionality
Integration of select Agilent devices enables additional utility and applications:
- PlateLoc Microplate Barcode Labeler
- Microplate Barcode Labeler
- Microplate Centrifuge
- Labware MiniHub

Common high-throughput screening applications
- Compound management applications needing to create large numbers of replicates from a single-source plate
- Research screening applications needing to create general serial dilution plates for analytical testing
- Addition of plate sealing, labeling, or centrifugation for a complete automated solution
Intuitive Software for Seamless Operation

All BenchCel Workstation systems are run by Agilent VWorks Automation Control Software. This software is designed to operate all Agilent devices through a single interface to simplify the user experience.

Each BenchCel Workstation is provided with standard VWorks protocols focused around standard automation procedures such as plate sealing, plate labeling, and plate centrifugation. Advanced protocols focused around serial dilution and plate replication workflows are also provided.

Benefits of Agilent VWorks Software

- **Drag and drop tasks**: graphical icons are selected and grouped to represent the sequence of tasks in your protocol
- **Event-driven automation control**: operate multiple experiments in parallel for maximum resource utilization and throughput
- **Scalable**: single application drives standalone and system configurations with a consistent user interface that reduces training costs
Agilent CrossLab Services: Maximize uptime with end-to-end support

You can trust Agilent CrossLab service experts to deliver valuable insights and keep your instruments running at top performance. Our industry-leading services—tailored to meet your needs—include instrument migration, application consulting, repairs, preventive maintenance, compliance verification, and education. Ask us how we can support your laboratory today.

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