Agilent BenchCel Workstations

VERSATILE, FLEXIBLE, FAST
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.

Let Agilent take the challenges out of your routine high-throughput research lab activities and give you more walk-away time.
At the center of each workstation is the Agilent BenchCel Microplate Handler.

**Key Features**

**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 WORKSTATIONS

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 choices 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
- Bravo Liquid Handling Platform

Some configurations are available without risers

Common plate sealing applications
Pharmaceutical compound storage and screening facilities working with large volumes of microplates that require sealing

Genomics researchers who need reliable and consistent seals for thermal cycling applications

Assay suppliers who provide ready-to-use plate-based chemistry requiring sealed microplates to be shipped to customers
**Common plate labeling applications**

- Cell culture research labs that work with large numbers of microplates and need traceability
- Pharmaceutical compound storage and screening facilities with high volume, on-the-spot custom labeling requirements
- Microplate manufacturers who provide generic and custom barcoded consumables
- Assay suppliers who provide ready-to-run plate-based chemistry with specific plate labeling requirements to print lot numbers, pull dates and other key manufacturing information

**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
- Bravo Liquid Handling Platform

Some configurations are available without risers
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

Some configurations are available without risers

Common high-throughput screening applications
Compound management research laboratories that need to create large numbers of replicates from a single-source plate
Research screening facilities that need to create general serial dilution plates for analytical testing
Addition of plate sealing, labeling, or centrifugation for a complete microplate solution
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.

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.
Agilent CrossLab Services: Maximize uptime with end-to-end support

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