

High-Capacity Plate Carousel



The High-Capacity Plate Carousel is the latest addition to Brandel's line of robotic laboratory equipment. With automatic stepping, variable oscillation cycles, programmable operation and two-way communication interface, the Carousel is compatible with most any robotic arm – and the perfect complement to our Robotic Harvester.

Depending on your specific needs, the Carousel can be ordered in a variety of configurations and capacities. Models are available for storing plates lengthwise or widthwise, and several types of plates can be accommodated. Simply call with your requirements.

The Carousel can also be operated manually.

High-Capacity Plate Carousel

Standard Configuration

- Eight columns, arranged radially, hold up to 20 microtitre plates each.
- Includes indexing motor drive and oscillation cycle.
- Carousels are available for storing plates lengthwise or widthwise.
- Approximate Carousel size is 24" in height by 24" in diameter.
- Custom configurations and sizes are available.

Programming/Interface

- Two-way communication with your system computer through the Carousel's RS-232 interface.
- Completely programmable.
- Can also be operated manually.

Capabilities

- Selectable clockwise or counter-clockwise rotation.
- Selectable and programmable speeds.
- Selectable and programmable "shaking" or oscillating mode.

Features

- Optical sensors provide accurate stopping positions.
- Controlled rotation will bring each of the columns to a common location for use with a robotic arm.
- Adjustable agitation through variable shaking speed and degree of oscillation.
- Interchangeable columns allow combinations of 96-well microtitre plates and 1-2 ml mini-tube plates in the typical 96-well format.



High-Capacity Plate Carousel holds up to 160 standard size 96-well plates. Motorized indexing and oscillation cycles are standard. Models for other plates also available.

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Also from Brandel... Robotic Harvesting Systems

Robotic Harvesting Systems

- Our new 9600 Series Robotic Harvesters bring the reliability, efficiency, and versatility of Brandel Harvesters to the robotic arena – and offer compatibility with most popular robotic arms.
- Two-way communications with your robotic arm's control system enable the Harvester and arm to work together: the arm loads and unloads samples and filter paper, and the 9600 Series automatically performs all aspiration and wash cycles according to your programmed instructions.
- Sensors monitor all critical stages to ensure proper operation.
- Models are available in a variety of filter formats to ensure compatibility with your bio-imager, direct radioactive reader or liquid scintillation counter.
- All formats filter 96 samples simultaneously, and are available for use with Membrane filters. All feature Teflon aspiration tubing.
- Systems include one Interchangeable Harvesting Probe, Programmable Controller with Keypad & software, Auto Wash System, Filter Paper Cassette, Cassette Tower, Auto-Drain with Alarm, Programmable Hot-Cold Valve, tubing, reservoirs, 1 year warranty and full factory support.
- Optional accessories include Auto-Fill Wash Media Reservoir, industrial duty 2-stage Vacuum Pump, Pre-Soak Filter Bath, and special Direct-to-Plate Inserts on certain models. Additional Plate Towers, Filter Paper Cassettes and Cassette Towers are also available.



Pre-Soak Filter Bath, Plate Tower with adjustable shelves, 9600 Series Robotic Harvester, High-Capacity Plate Carousel. Filter Cassette tower not shown, but similar to Plate Tower.

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