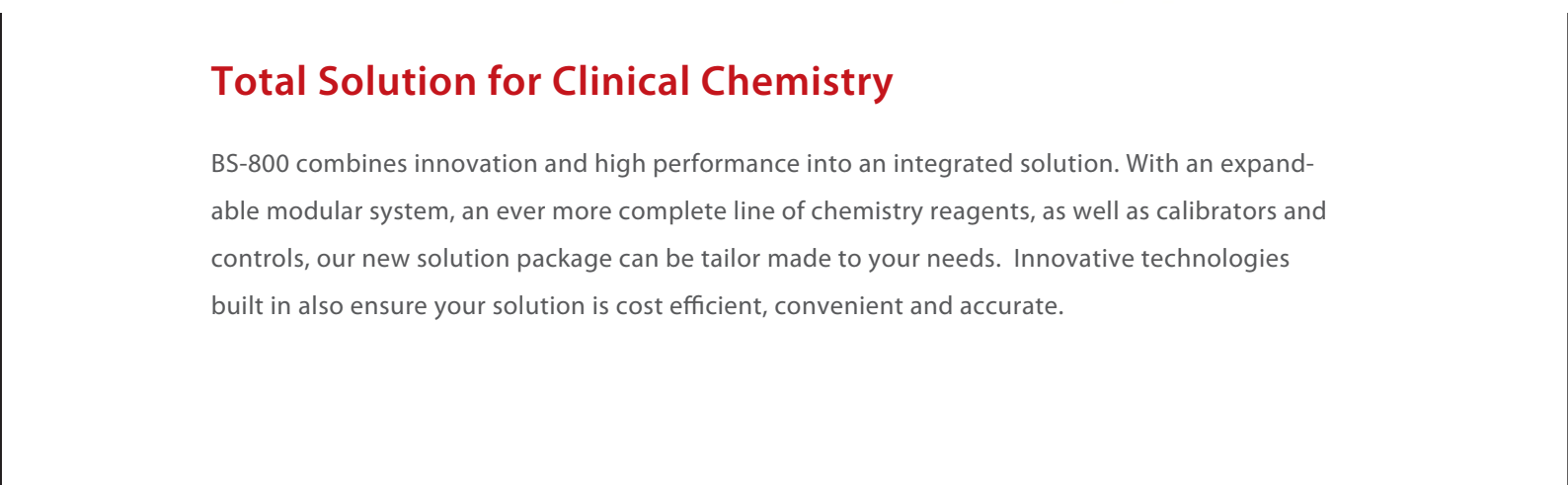




BS-800/BS-800M Clinical Chemistry System

mindray
healthcare within reach

BS-800/BS-800M Clinical Chemistry System

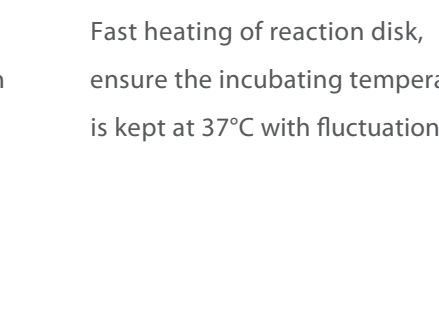
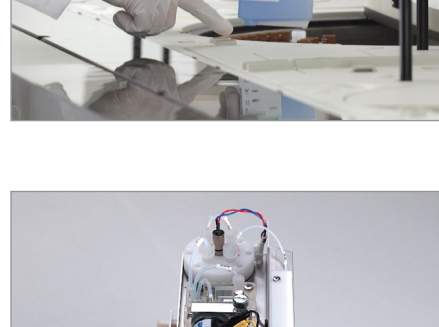
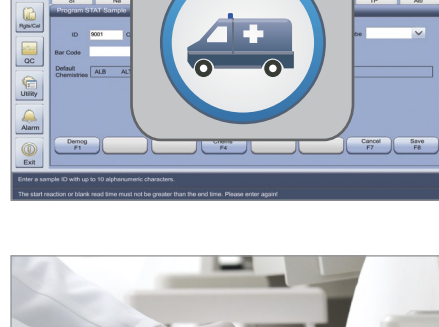


Total Solution for Clinical Chemistry

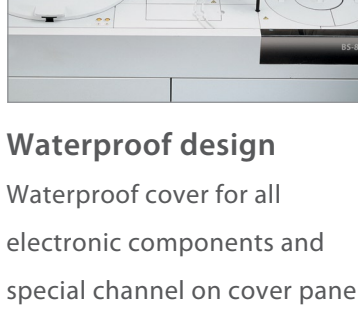
BS-800 combines innovation and high performance into an integrated solution. With an expandable modular system, an ever more complete line of chemistry reagents, as well as calibrators and controls, our new solution package can be tailor made to your needs. Innovative technologies built in also ensure your solution is cost efficient, convenient and accurate.

Cost-efficient

- Large capacity**
 140 positions in sample disk with additional 300 sample positions in optional Sample Delivery Module (SDM), 68 on board tests, and 165 permanent glass cuvettes enhance walk-away convenience
- Low reagent consumption**
 100 μ L minimum reaction volume reduces reagent cost. Unique design of reagent bottle minimizes residual volume
- One key STAT**
 Perform STAT tests instantly with one key. Dedicated STAT sample disk and racks facilitate easier STAT testing
- Continuous reagent loading and unloading**
 Two coaxial reagent disk rotation buttons allow continuous loading and unloading during testing
- Indirect ISE**
 Less sample consumption and higher ISE measurement throughput as well as cost-effective electrodes that support up to 60,000 tests (20,000 tests/electrode)

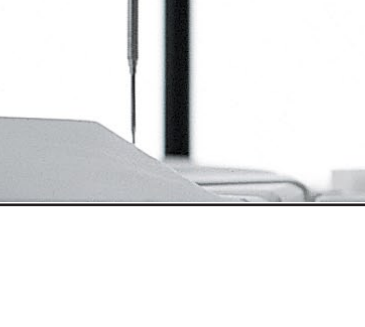


Accurate

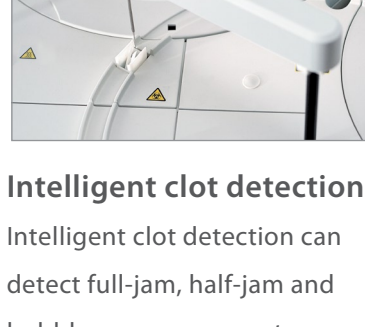
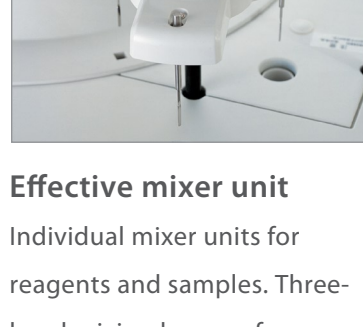
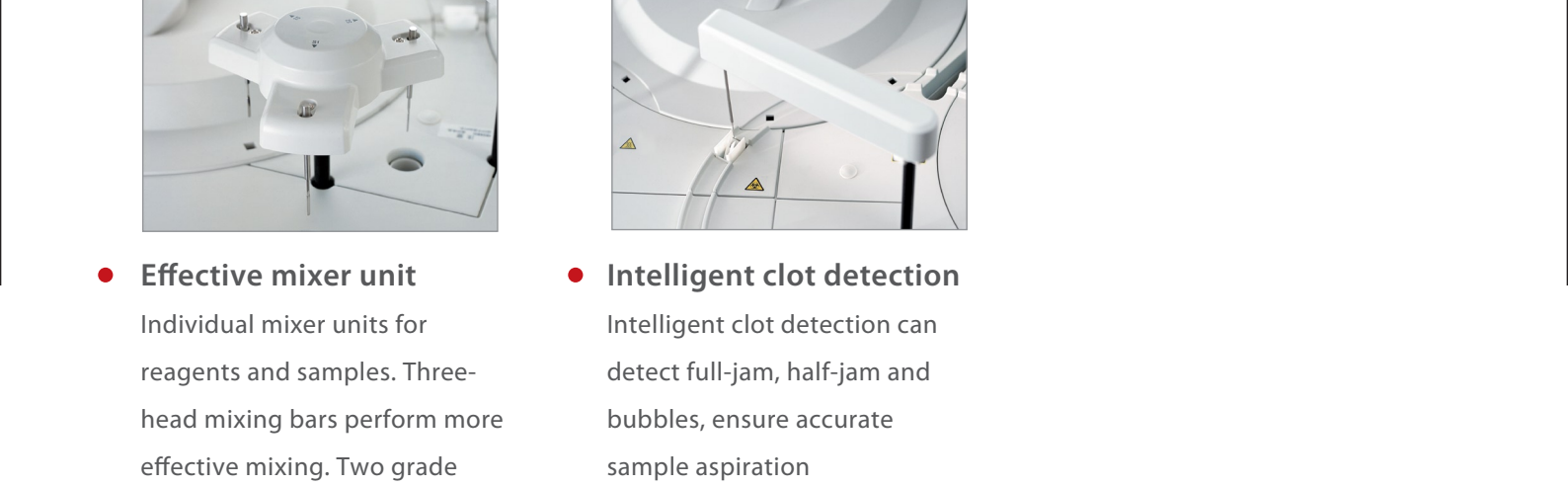


- High sampling precision**
 15–300 μ L reagent sampling with step at 0.5 μ L, 1.5–35 μ L sample sampling with step at 0.1 μ L
- Water circulation reagent cooling**
 Ensure a stable 2–8°C refrigeration temperature for reagent disk
- Direct solid-heating system**
 Fast heating of reaction disk, ensure the incubating temperature is kept at 37°C with fluctuation 0.1°C

Secure



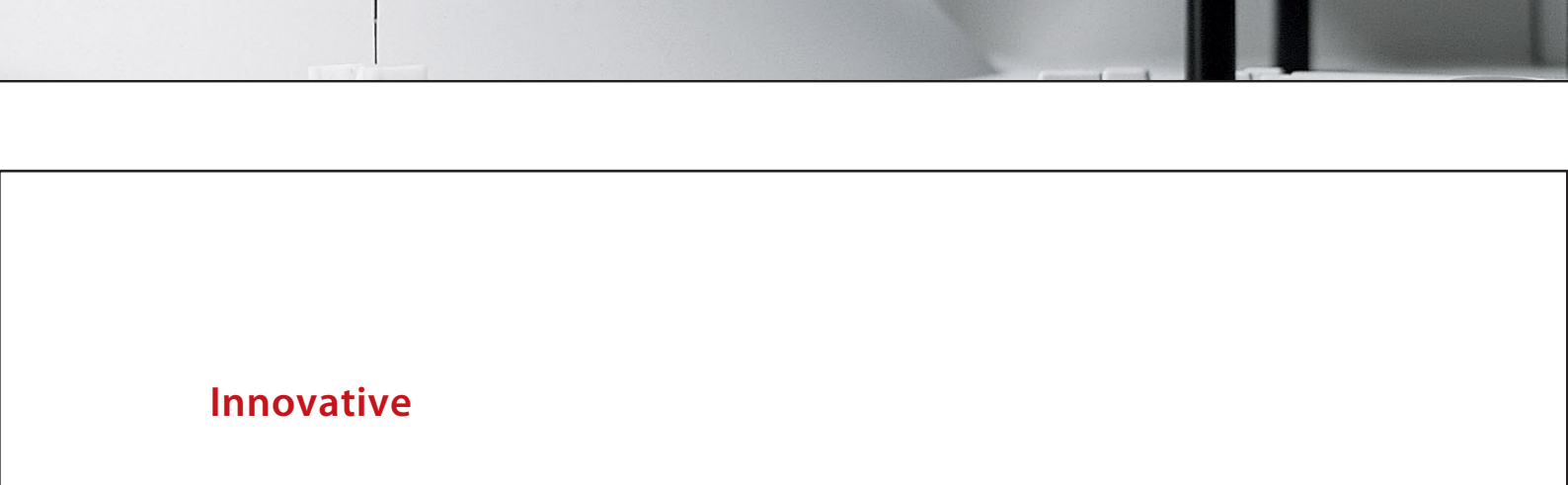
- Collision protection**
 Vertical and horizontal collision protection for sample and reagent probes
- Waterproof design**
 Waterproof cover for all electronic components and special channel on cover panel to carry away water



- Effective mixer unit**
 Individual mixer units for reagents and samples. Three-head mixing bars perform more effective mixing. Two grade washing reduces contaminant significantly
- Intelligent clot detection**
 Intelligent clot detection can detect full-jam, half-jam and bubbles, ensure accurate sample aspiration

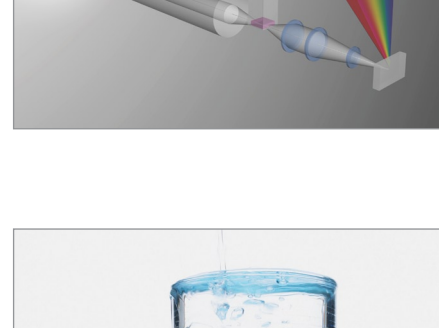


- Maintenance guide**
 Easy for operator to perform any maintenance procedure. Embedded detailed procedures guide user to solve problems immediately
- Covered sampling system**
 All cover closed during testing, sample disk can be partially opened when needed
- Warning log**
 Extensive warning log lists detailed information for operator & service personnel to maintain the system



Innovative

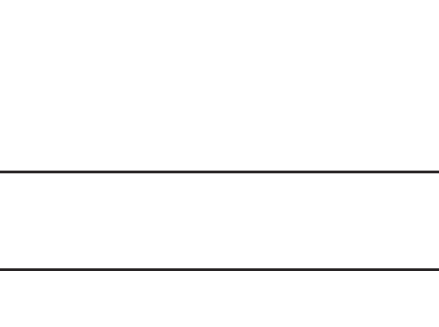
Coaxial reagent disk
Special coaxial reagent disks make it convenient for operator to replace reagents, half cover design makes it much safer for end user.



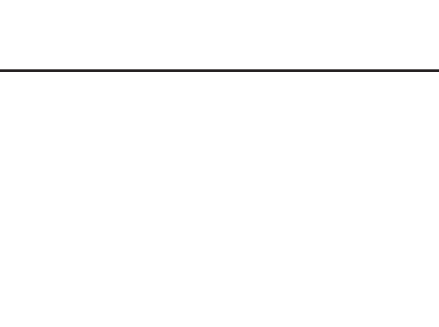
Reagent bubble detection
Able to detect bubbles in reagent bottle, detect real liquid level before reagent aspiration.



Dot light source
Dual-diaphragm and dual-lens technologies enable dual-focus of front-light. This creates a high intensity, focused light which help ensure a low reaction volume



Water quality monitor
Analyzes and monitors quality of deionized water via resistance principle, reducing possible contamination



Extension

BS-800

Throughput: 800/1200T/H
Sample capacity: 140
Reagent capacity: 68



BS-800M1

Throughput: 800/1200T/H
Sample capacity: 440
Reagent capacity: 68



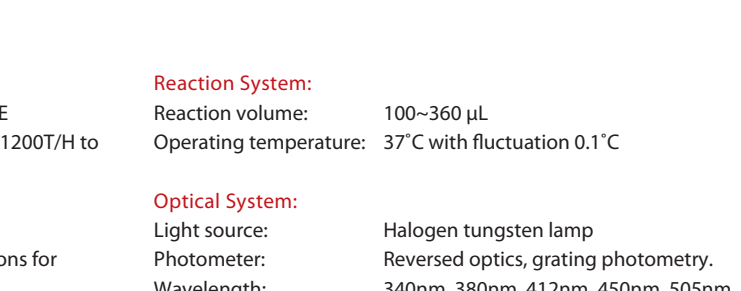
BS-800M2

Throughput: 1600/2400T/H
Sample capacity: 580
Reagent capacity: 136



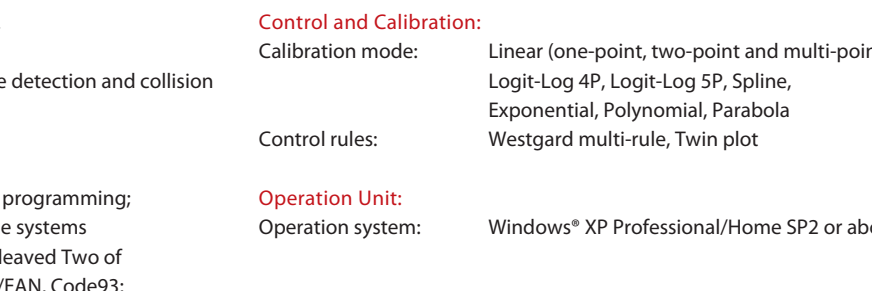
BS-800M3

Throughput: 2400/3600T/H
Sample capacity: 720
Reagent capacity: 204



BS-800M4

Throughput: 3200/4800T/H
Sample capacity: 860
Reagent capacity: 272



BS-800/BS-800M Clinical Chemistry System

Technical Specifications

System Function:
Throughput: BS-800: 800T/H, up to 1200T/H with ISE
BS-800M: From 800T/H to 3200T/H, and 1200T/H to 4800T/H with ISE

Sample Handling:
Sample tray: 140 positions including 25 cooling positions for calibrators and controls.
300 samples capacity with 30 racks
SDM: 15–35 μ L, step at 0.1 μ L
Sample volume: Liquid level detection, clot detection and collision protection.

Reagent Handling:
Reagent tray: 120 positions in coaxial disks.
15–300 μ L, step at 0.5 μ L
Sample probe: Liquid level detection, bubble detection and collision protection.

External Bar Code Reader (optional):
Used for sample and reagent programming:
Applicable to various bar code systems including Codabar, ITF (Interleaved Two of Five), Code128, Code39, UPC/EAN, Code93;
Capable to communicate with LIS in a bi-directional mode

Reaction System:
Reaction volume: 100–360 μ L
Operating temperature: 37°C with fluctuation 0.1°C

Optical System:
Light source: Halogen tungsten lamp
Photometer: Reversed optics, grating photometry.
Wavelength: 340nm, 380nm, 412nm, 450nm, 505nm, 546nm, 570nm, 605nm, 660nm, 700nm, 740nm, 800nm.
Absorbance range: 0–3.4Abs(10mm conversion)

ISE Module (Optional):
Principle: Indirect K⁺, Na⁺ Cl⁻, with 22 μ L sample aspiration

Control and Calibration:
Calibration mode: Linear (one-point, two-point and multi-point), Logit-Log 4P, Logit-Log SP, Spline, Exponential, Polynomial, Parabola
Control rules: Westgard multi-rule, Twin plot

Operation Unit:
Operation system: Windows® XP Professional/Home SP2 or above

DISTRIBUTOR:



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