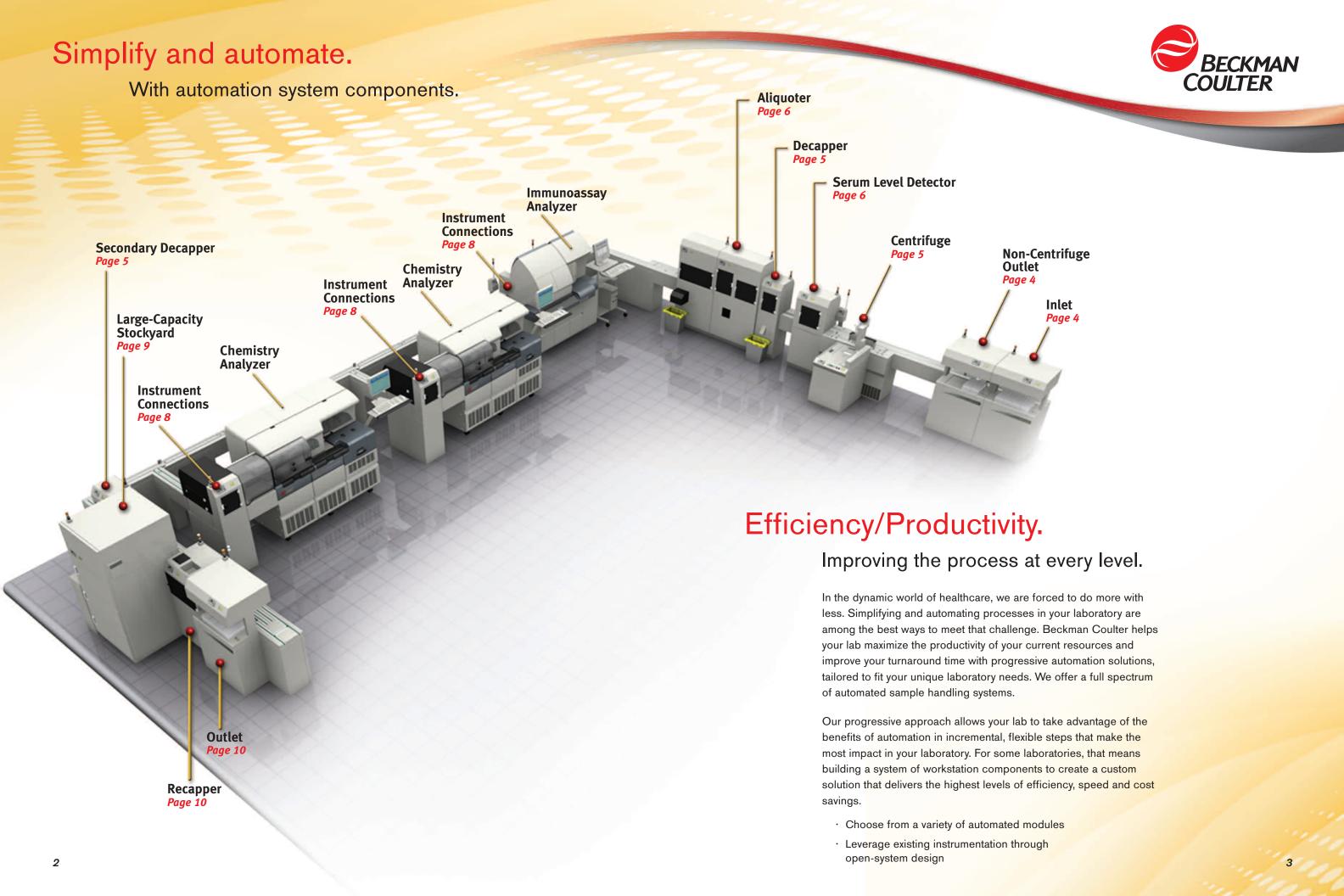




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INLET

Length

This new Dynamic Inlet has specialized racks, enabling users to prioritize STAT samples over routine samples, bypass the centrifuge for samples that have been pre-spun and remap tubes to the stockyard for archiving. This is available as a upgrade to your existing Power Processor or as an option on new Power Processors.

An Inlet unit receives samples for loading onto the transport system. Specimens are picked up from 50-position racks and loaded into the individual tube holders on the processing line. Manual and automated modes allow the Inlet to be interrupted to introduce stat samples. Inlet units load mixed tube types and heights from the racks to tube holders. Four racks are loaded at a time (200 samples total).

Dimensions 5-Gripper Inlet	H 1,355 mm 53.4 in	W 800 mm 31.5 in	D 590 mm 23.2 in	Wt 110 kg 242.5 lbs
Dynamic Inlet	1,503 mm 59.2 in	800 mm 31.5 in	600 mm 23.6 in	131 kg 288 lbs
Capacity 5-Gripper Inlet		Samples 200	Sample 700	
Dynamic Inlet		200	450	
Specimen Rack	s			
Source		Beckman	Coulter	
Capacity		50 specime	ens/rack	
Depth		126 mm (~	4.96 in)	
Length		265 mm (~	10.43 in)	
Height		65 mm (~	2.56 in)	
Tubes				
Diameter		13 mm		

75 or 100 mm

Non-Centrifuge Outlet

- Sorting of tubes requiring whole blood analysis or pretreatment
- · Intermixed 13 x 75 mm and 13 x 100 mm sample tubes
- Ability to sort to Beckman Coulter LH or DxH Hematology Analyzer Personality Racks
- · Automatic sample receiving message to LIS

Dimensions	н	W	D	Wt
Non-Centrifuge	1,355 mm	800 mm	670 mm	120 kg
Outlet	53.4 in	31.5 in	26.4 in	264.6 lbs



CENTRIFUGE

- · Centrifugation of sample tubes
- Additional Dual Centrifuge Upgrade available for improved system throughput
- · Load balancing for the centrifuge

Rotational Speed 3,000 rpm (max)

Rotational Force 2,100g (13 x 100 mm tubes)

Load Capacity Up to 40 tubes/spin

 Dimensions
 H
 W
 D
 Wt

 Centrifuge
 1,120 mm
 590 mm
 795 mm
 215 kg

23.2 in

31.3 in

474.0 lbs

Capacity Samples/hr
Centrifuge 300/hr (450/hr Dual)
(with 4 minute spin time)

44.1 in

PRIMARY AND SECONDARY DECAPPERS

The Decapper allows the system to operate with rubber or plastic caps (Hemogard-type). Caps are removed without creating potential hazardous aerosols and directly disposed of into a biohazard container.

Samples requiring additional testing are removed from the Stockyard and routed to a Secondary Decapper, where the cap is removed before the tube returns to the respective analyzer(s).

Dimensions	Н	W	D	Wt
Primary Decapper	1,355 mm	400 mm	350 mm	55 kg
	53.4 in	15.8 in	13.8 in	121.3 lbs
Secondary Decapper	1,355 mm 53.4 in	400 mm 15.8 in	350 mm 13.8 in	55 kg 121.3 lbs

Samples/hr 700 (rubber, plastic)



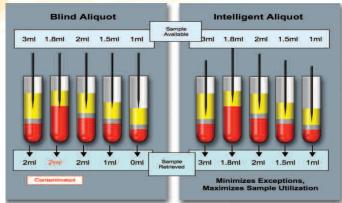
THE THE WAY

ALIQUOTER SYSTEM

Beckman Coulter's Intelligent Aliquotting system ensures maximum serum utilization and minimizes sample contamination by determining

the proper volume to be transferred based on the test requested.

To minimize sampling errors and short draws, the Intelligent Aliquoter System determines the total available sample volume and aspiration depth. The aliquot volumes are then calculated, based on the number of tests ordered and the corresponding analyzer dead volume. The system will set priority for aliquots, help operators identify short samples early and minimize serum waste, enabling you to do more with less.





SERUM LEVEL DETECTOR

Samples are transferred to the Serum Level Detector after centrifugation.

Sample tubes are lowered into an optical well, five at a time - and the volume can be measured through labels (up to three labels thick). The serum volume is calculated in the Aliquot Unit.

Dimensions	Н	W	D	Wt
Serum Level Detector	1,355 mm	600 mm	495 mm	84 kg
	53.4 in	23.6 in	19.5 in	185.2 lbs

Capacity Samples/hr Serum Level Detector 600/hr maximum

Secondary Tube Labeler

The Secondary Tube Labeler prints a bar-code label and applies it to each aliquot tube, thus minimizing human-based labeling errors and non-value added tasks.

The bar code of each secondary tube is verified by the system before it is accepted for use. Tubes with defective bar codes are discarded and new tubes are prepared. The label may also contain humanreadable text for easy reference by the operator. Human-readable text is usually an alpha-numeric representation that can include the patient ID and test(s) requested.

Dimensions	Н	W	D	Wt
Tube Labeler	1,555 mm	900 mm	396 mm	130 kg
	61.2 in	35.4 in	15.6 in	286.6 lbs

Methods **Tube Supply**

Rack Printing Thermal transfer Label Application Rubber Roller Take-up

ALIQUOT UNIT

This component is designed for laboratories that prepare secondary aliquot tubes from primary serum sample tubes. Pipette tips on two robotic arms transfer serum from the primary to the labeled secondary tubes. After aliquoting is completed, the primary tube is directed to an analyzer or an outlet unit. Secondary aliquot tubes are sent to instruments, workstations, or outlets for removal, storage or testing.

Dimensions н Wt Aliquot Unit 1,555 mm 800 mm 396 mm 135 kg 61.2 in 15.6 in 297.6 lbs

Capacity Samples/hr 420 samples/hr Aliquot Unit

Aspirated Sample Range Tip 5.0 mL 0.3 - 3.0 mL

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The Power Processor automation system supports both direct-track sampling and rack-builder connections, depending on the analyzer type. Connections to Beckman Coulter's wide portfolio of UniCel Synchron clinical chemistry and immunoassay analyzers or highspeed AU clinical chemistry platforms allow laboratories to connect analyzers that are the best fit for their evolving workflow requirements.





LARGE-CAPACITY STOCKYARD

Large-capacity Stockyards are specialized refrigerated outlet units (operating between 2-10° C) that can store samples for a configurable period of time, based on laboratory workflow needs. Stockyards have racks that each hold 340 samples. Our 3,060 sample capacity Stockyard has three levels of storage, each holding three racks.

Completed samples arrive at the Stockyard and are unloaded from the sample carriers (tube holders) one at a time and placed into racks. Computercontrolled placement of samples within the Stockyards ensures that each sample's location is mapped and sample life is monitored automatically. The location list of any sample in the Stockyard can be printed. Samples recalled from the Stockyard can automatically return to the automation line without any manual intervention for reflex or rerun tests. If manual preparation of the sample is required, samples can be directly recalled to the outlet module. For increased productivity, Stockyard operation is continuous - with racks removed as they become full and replaced with empty racks.

Dimensions	н	W	D	Wt
Large Stockyard	2,600 mm	790 mm	865 mm	460 kg
	102.4 in	31.1 in	34.1 in	1014.1 lbs

Capacity Samples Large Stockyard 3,060

Tubes

Diameter Length

Specimen Racks

Capacity Depth Length Height 85 mm (~ 3.35 in)





RECAPPER

Before storage, the tubes may receive a clean cap to prevent serum evaporation during storage.

The Recapper includes a hopper for bulk storage of the plastic caps, a shaker table that feeds the caps one at a time and a robotic hand that places the caps on the tubes and presses them securely into place.

Dimensions	Н	W	D	Wt
Cap Replacement	1,275 mm	590 mm	600 mm	95 kg
Unit	50.2 in	23.2 in	23.6 in	209.4 lbs
			_	
Capacity		Samples/	hr	
Recapper		700		

200-TUBE OUTLET UNIT

Completed samples are removed from the system at the Outlet Unit. Outlet Units provide a location from which primary samples or aliquots are removed for testing in other labs or on non-connected instruments.

Samples arrive at an outlet and are unloaded from tube holders and placed into racks. Each rack holds 50 samples. Each outlet holds four racks. When a rack is full, the operator is alerted to remove it. Sample location is mapped within the rack and outlet, and location lists may be printed.

Dimensions Standard Outlet	H 1,355 mm 53.4 in	W 800 mm 31.5 in	D 670 mm 26.4 in	Wt 125 kg 275.6 lbs
Capacity	Samples/hr			
Standard Outlet	Sorts 375 samples per hour			

PREPLINK SOFTWARE FOR POWER PROCESSOR

Beckman Coulter's exclusive PrepLink software enables communication between the LIS, the Power Processor Automation Line Controller and connected analyzers, for optimized TAT and operational efficiency from a single computer station.

Intelligent load balancing and routing to connected analyzers

- · Interpret LIS orders and develop the optimal routing / load balancing plan
- · Manage multiple analyzers and test menus
- · Dynamic routing of tubes to appropriate analyzers*
- · Real-time information* available including:
- Analyzer status
- Analyzer reagent status
- Analyzer reagent level
- Test complete notification

Automatic error handling on connected analyzers

- · Handle sample based errors
- · Handle non-sample based errors
- · Resolve test pending and no test result scenarios

Hands-free sample retrieval

• PrepLink enables operators to automatically find, retrieve, retest and place a sample back into storage, completely hands-free from a single computer console.

*Note: "Dynamic" functionality available exclusively on Beckman Coulter analyzers.



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