

Beckman Coulter Automation Solutions



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Automation that Fits



What are the **goals**?

Increase Productivity

- Reduce **Process Steps**
- Increase **Test Volume**
- Improve **Allocation of Resources**



Improve Quality

- Reduce **Turnaround Time**

Eliminate Medical Errors

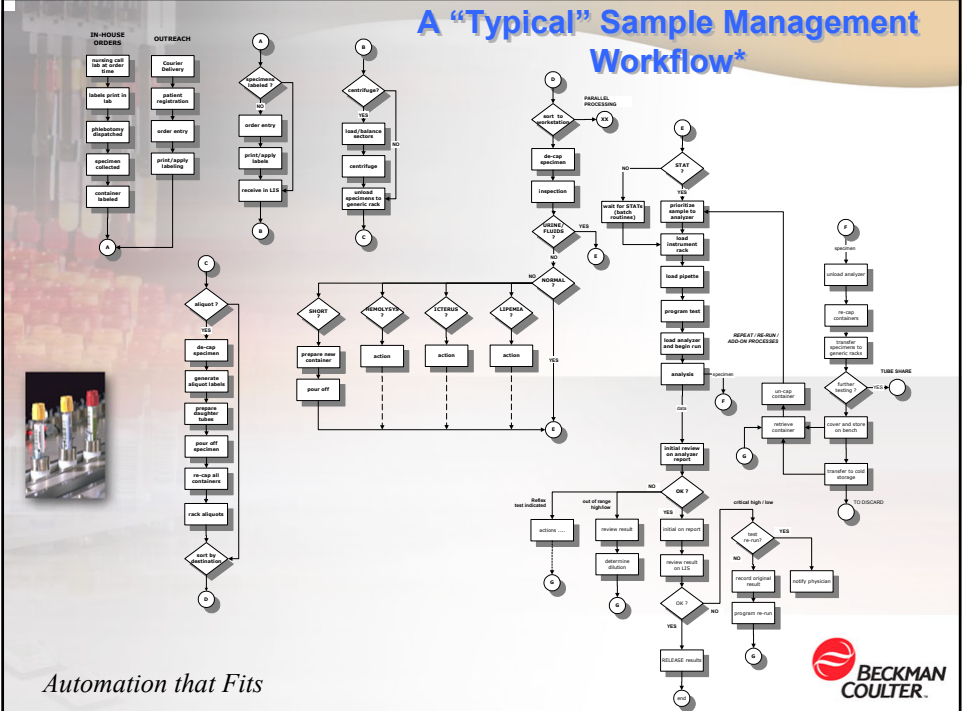
- Reduce **Sample Accession Errors**

Reduce Exposure to Biohazards

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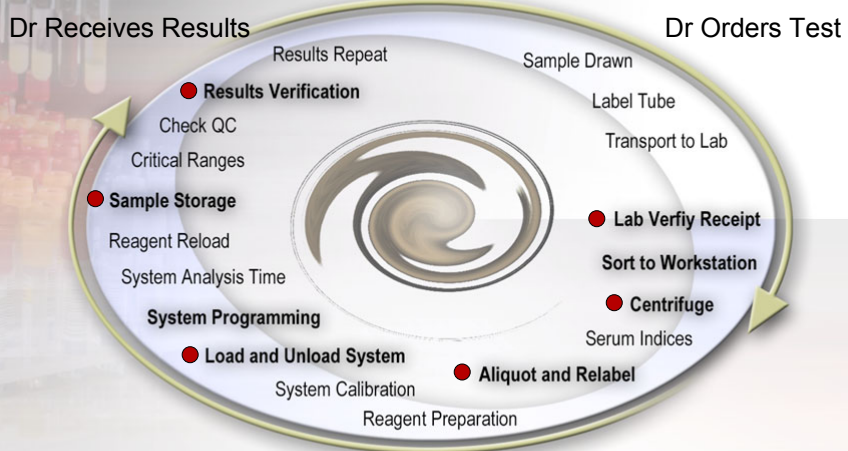
A "Typical" Sample Management Workflow*



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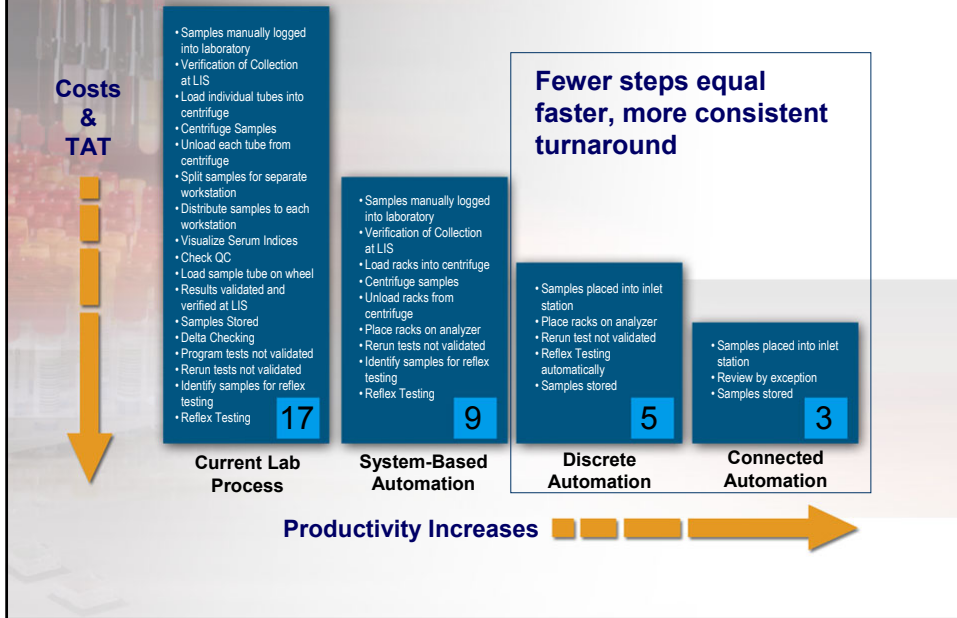
Goal: Eliminate Bottlenecks



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Goal: Reduce Costs and Turnaround Time



Reduce Process Steps at Every Level

- Four Levels of Solutions Deliver Automation that Fits:

- **Level 1 - System-based Automation**



- **Level 2 - Discrete Automation**



- **Level 3 - Connected Automation**



- **Level 4 - Comprehensive Automation / TLA**



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Level **1**

System-based Automation

Immediate savings and room to grow

Instrument Solutions



SYNCHRON CX[®] PRO Series
SYNCHRON LX[®], LX20 PRO Series

Integrated System Solutions

SYNCHRON LXi 725
COULTER[®] LH 755



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Level **1**

System-Based Automation

Immediate savings and room to grow

UniCel Dxl 800

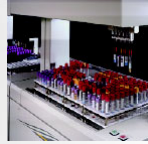
- Up to 400 tests/h
- In-built **aliquoter**
- Fast sample release
- Easy-to-use **software**
- Broad test menu
- No daily **maintenance**
- **Clot detection**
- **Connectable to Power Processor**



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Discrete Automation



Flexibility to enhance performance

Level 2

Improved pre- and post-analytical sample processing

- Elimination of non-value added steps
- Automated sorting to work systems
- Automated storage mapping and recall



Outlet Outlet De-capper Centrifuge Non Centrifuge Outlet Inlet

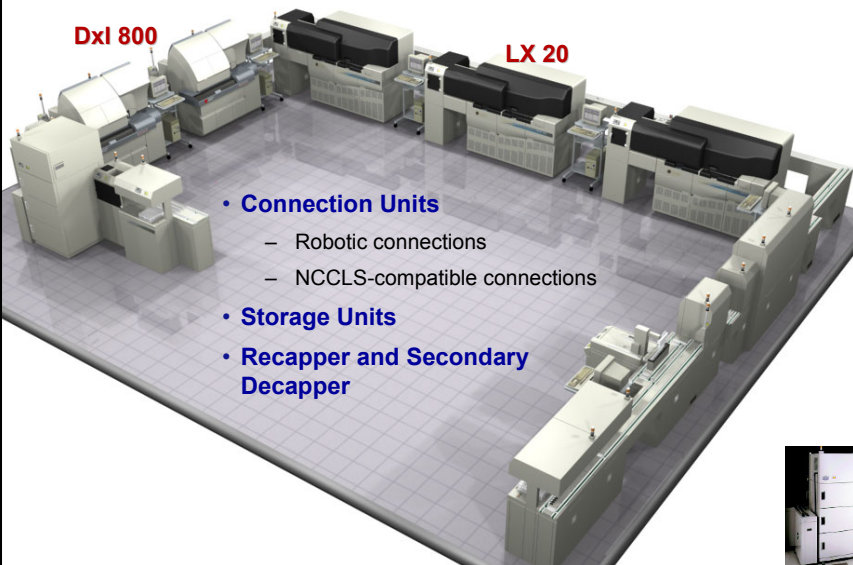
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Connected Automation

Expanding Your Processing Power

Level 3



DxI 800

LX 20

- **Connection Units**
 - Robotic connections
 - NCCLS-compatible connections
- **Storage Units**
- **Recapper and Secondary Decapper**

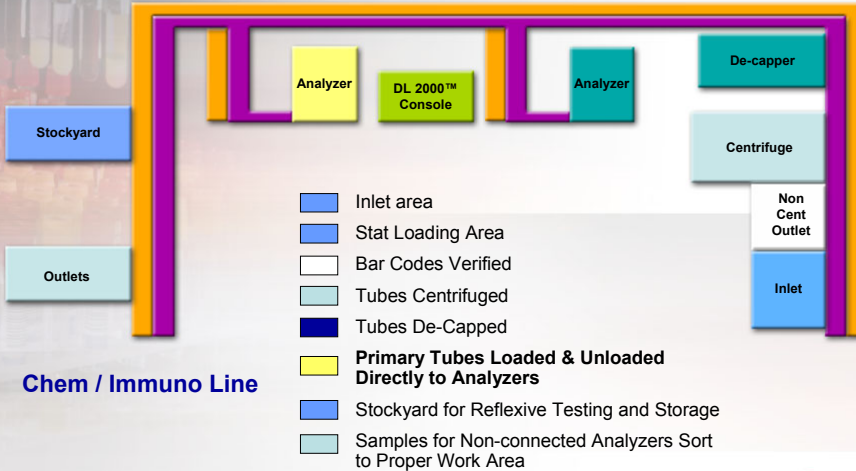


Connected Automation

Level 3

Expanding Your Processing Power

Power Processor with Connection Units



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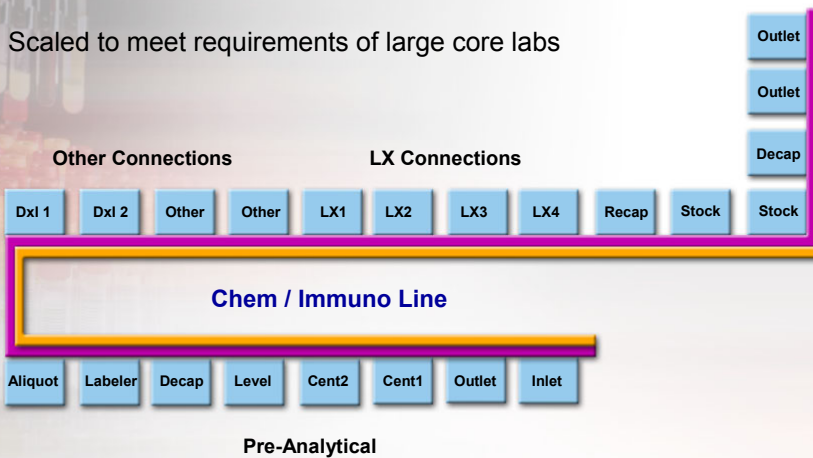


Connected Automation

Level 3

Expanding Your Processing Power

Scaled to meet requirements of large core labs



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Level **4**

Maximum efficiency as your lab expands

Comprehensive Automation

- **Open design solution** that links all workstations into a completely automated network
- Configured to fit lab's workflow or testing patterns
- Flexible solution for improving productivity, reducing costs for laboratories managing extremely high workloads



Automation that Fits



Level **4**

Maximum efficiency as your lab expands

Comprehensive Automation

Open connections for a variety of systems



Bayer Atlas and Centaur



Stago R



Roche Modular



J & J 950, 250, ECI

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Beckman Coulter...



...Helps Eliminating The Major Bottlenecks



	Beckman Coulter
Sample Receiving	✓
Centrifugation	✓
Aliquoting	✓
Loading and Unloading Analyzers	✓
Refrigerated Storage/Reflex	✓
Results Validation	✓

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