

Automated Hematology Analyzer  
**XN-SERIES™**

Reshaping compact  
automation



# Optimize your laboratory

As analyzers become increasingly sophisticated, the laboratory's contribution to the continuum of patient care is always evolving. Sysmex's innovative and progressive diagnostic solutions set us apart from every other IVD company on the market. With thoughtful innovation, Sysmex has created state-of-the-art software and instrumentation that helps improve lab operations and promotes better healthcare and patient management practices.



## Connect the pieces for a holistic technology solution

### NEXT GENERATION DIAGNOSTICS

#### Advanced clinical parameters:

- Leukopoietic indicators—Immature granulocytes with every differential
- Erythropoietic indicators—Nucleated RBC with every CBC, reticulocyte hemoglobin (RET-He) and immature reticulocyte fraction (IRF)
- Thrombopoietic indicators—Immature platelet fraction (IPF) and a fluorescent platelet count (PLT-F) designed for very low platelet counts

### HARMONIZED SUPPORT

- Workflow assessment and optimization
- Comprehensive continuing education
- **Insight™** IQAP
- BeyondCare<sup>SM</sup>

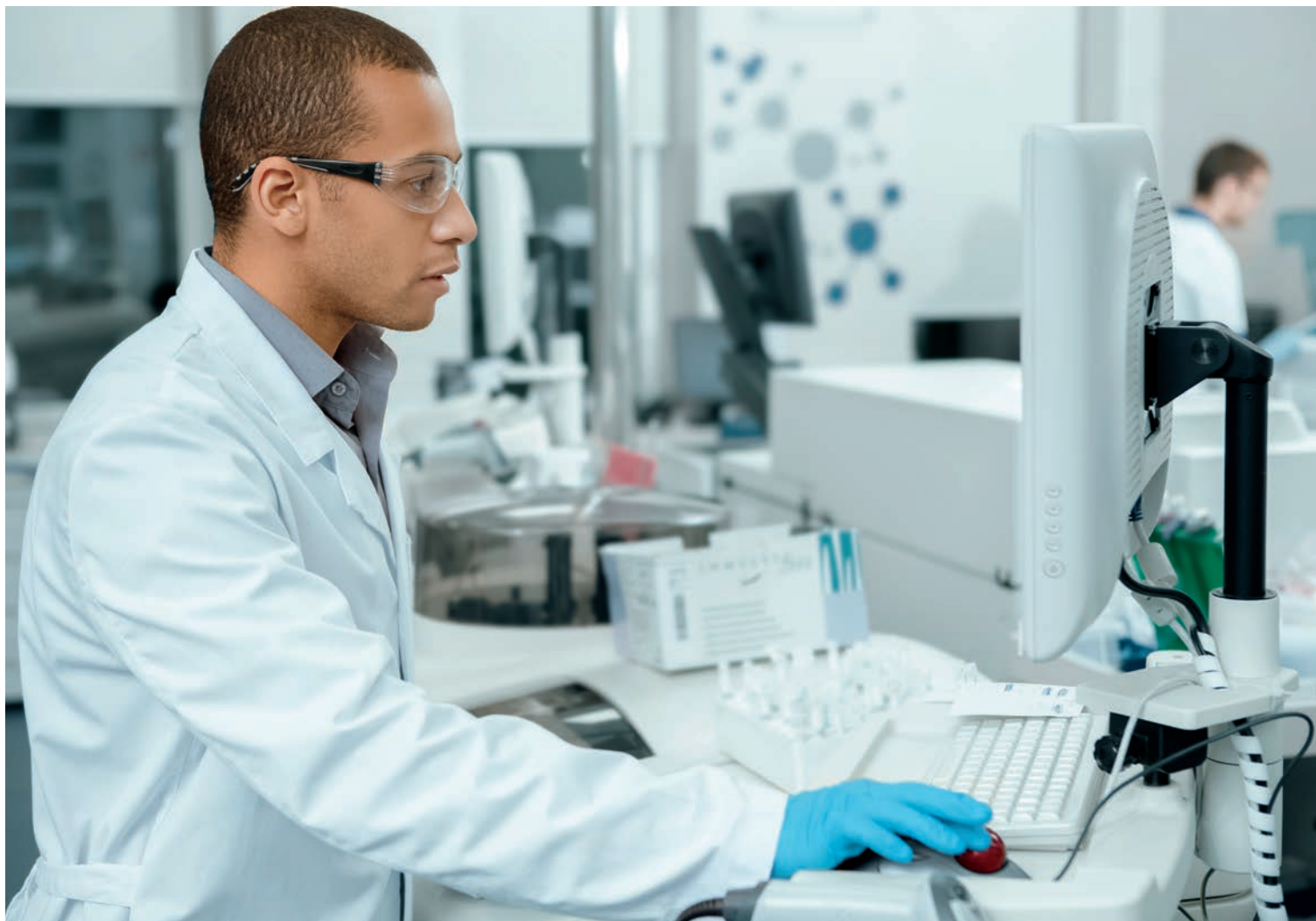
### ADVANCED TOOLS AND TECHNOLOGIES

#### Productivity and efficiency enhancements that are supported by:

- Auto-validation
- Automatic workload balancing
- Rerun/reflex testing
- Reflexive slide preparation
- Work Area Manager (WAM) middleware for unparalleled workflow efficiency

### PROCESS OPTIMIZATION

- Remarkably smaller footprint to optimize increasingly precious laboratory space



## BeyondCare<sup>SM</sup>

BeyondCare from Sysmex changes the definition of service for today's advanced hematology laboratories. Missing a potential analyzer issue can compromise patient care, so BeyondCare is strategically focused

on preventing problems before they ever occur. Sysmex's innovative technology maximizes your system's performance, bringing new levels of insight, efficiency and agility to your lab. This includes Comprehensive

Continuing Education, Evidence-based Managed Calibration and ***Insight*** IQAP. Make sure to ask your Sysmex representative about these programs for your XN-Series Analyzer.

# Beyond technology, beyond today

## Small, smart, compact automation

It's an approach to hematology testing that's never been done before. An approach that gives all laboratories the capability to build a high-performance lab, including all of Sysmex's advanced parameters, regardless of test volume or laboratory location.

- High-performance design
- Advanced clinical utility
- Optimized efficiency of workflow, staffing and space
- Access to the most advanced technologies, with remarkably smaller footprints
- Standardization across your healthcare network

## XN-3100™

*2 XN-10 analyzers or 1 XN-10 and 1 XN-20 analyzer*

### Components:

- Smart Sampler - rerun/reflex testing
- SP-50 Slidemaker/Stainer
- Optional DI-60 Cell Image Analyzer

### Throughput:

- Up to 200 CBCs / hour
- Up to 75 Smears / hour



*Dimensions*  
112.4"w x 64"h x 46.5"d

- Shown with optional DI-60 analyzer
  - Shown with optional XN-20 analyzer
- Dimensions with DI-60 are: 112.4"w x 64"h x 46.5"d (without DI = 78.5"w)

\*\* All dimensions noted are approximate.

# Our specifications speak volumes...

## Throughput

- Up to 100 CBCs / hour / analyzer module

## Quality control

- **XN CHECK™** and **XN CHECK BF** for simple QC through the Sysmex *Insight* IQAP
- **XN CHECK**
  - One material for QC of all Whole Blood Parameters
  - Complete tri-level QC product for all CBC, Diff, PLT and reticulocyte parameters
- **XN CHECK BF**
  - One material for QC of all Body Fluid parameters
  - Complete bi-level QC product for TNC, WBC, RBC and reportable 2-part diff parameters

## IPU decision rules environment:

- Pre-loaded template within the XN-Series IPU (PC)
- Customer editable/adjustable
- Easily enabled/disabled

## Streamlined reagent management

- Smaller, lighter reagent containers:
  - Color-coding from container to software reagent screen increases operator ease and convenience
  - Designed to fit perfectly within the XN-Series system wagons
- RFID (Radio Frequency ID) tags
- RU-20 Concentrated Reagent Delivery System\*:
  - Dilutes concentrated diluent (CELLPACK™ DST) to create ready-to-use CELLPACK DCL
  - Fewer reagent changes provide greater instrument availability and improved workflow

## RU-20™



## XN-1000™

### Components:

- One XN-10 or one XN-20 analyzer
- Smart Sampler - rerun/reflex testing

### Throughput:

- Up to 100 CBCs / hour



*Dimensions*  
25.8" w x 61.7" h x 38" d\*\*

## Reportable parameters by channel

**XN-CBC**  
WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT (PLT-I), NRBC%, NRBC#, RDW-SD, RDW-CV, MPV

**XN-DIFF**  
NEUT%, LYMPH%, MONO%, EO%, BASO%, IG%, NEUT#, LYMPH#, MONO#, EO#, BASO#, IG#

**WPC**  
Provides improved differentiation of blast cell and abnormal lymphocyte flagging; no reportable parameters. Available with XN-20 analyzers

**XN-BF**  
WBC-BF, RBC-BF, MN%, MN#, PMN%, PMN#, TC-BF# (Body Fluids, B License)

**PLT-F**  
PLT (PLT-F), IPF (Platelets, P License)

**RET**  
RET%, RET#, IRF, RET-He (Reticulocytes, R License)

\* Recommended minimum workload is 55 samples per day when using the 2x4L packaging. 200+ samples per day when using the 20L packaging.

\*\* All dimensions noted are approximate.



## Tabletop configurations



## XN-1000

*Dimensions*  
25.4" w x 33.7" h x 29.7" d\*



## XN-2000

*Dimensions*  
37.8" w x 33.7" h x 29.7" d\*

- Shown with optional XN-20 analyzer



## XN-3100

*Dimensions*  
112.4" w x 64" h x 46.5" d\*

- Shown with optional DI-60 Analyzer
- Shown with optional XN-20 analyzer

\* All dimensions noted are approximate.

## XN-2000™

2 XN-10 analyzers or 1 XN-10 and 1 XN-20 analyzer

### Components:

- Smart Sampler - rerun/reflex testing

### Throughput:

- Up to 200 CBCs / hour



*Dimensions*  
41.5" w x 61.7" h x 38" d\*

### Standard components with every system

- Smart Sampler - for automated rerun/reflex testing
- Onboard decision rules
- XN-10 and/or XN-20 analyzer (cell counter) modules
- Body fluid mode
- PLT-F (fluorescent platelet) discrete testing channel
- Reticulocyte channel
- Network printer
- Status alert lights - on XN-3100 only

### Optional components:

- Wagons (cabinets)
- Sysmex WAM middleware
- RU-20 Reagent Delivery System
- DI-60 Cell Image Analyzer (available for XN-3100 only)
  - The cell image analyzer can be interfaced directly to the laboratory information system (LIS) or to the Sysmex WAM

## Sysmex WAM™ Middleware

Decision support software for the clinical laboratory provides scalable informatics and work area management for enhanced sample and data process management. It is a comprehensive hematology information management system featuring auto-validation, single interface to LIS, and a complex rules engine based on patient

demographics, patient location, physician, patient identifiers, specimen age and extended delta-checking. It provides comprehensive management reports, and it can be used in multi-site, multi-LIS environments for paperless data process integration. It can also be part of our Lavender Top Management configurations.



## Explore how we can take your lab beyond a better box

Sysmex truly understands the complex challenges hematologists are facing and will face in the future—and we will always be creating the means to solve them. Our Sysmex® XN-Series Automated Hematology Systems are a giant step forward with automation that maximizes your laboratory's capacity and productivity.

We work hard to ensure that Sysmex customers enjoy the greatest possible return on their investment. From implementation and training to ongoing maintenance and support, every step of our process has been engineered to reduce your operating costs, improve laboratory efficiencies and, above all, improve the lives of your patients.

To learn more about how we can help your laboratory move to the next level with Sysmex XN-Series Automated Hematology Systems, visit [sysmex.com/us](http://sysmex.com/us) or call us at (800) 379-7639.

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