Meril
Diagnostics

Technical Specifications

Throughput
60 Samples/hour

Detection Channel
Dual-channel for counting

Sample Volume
Minimum volume 9µl whole blood

Counting Modes
Whole blood mode, pre-diluted mode

Detection Principle
Impedance method (WBC, RBC, PLT) and
Cyanide free colorimetric method (HGB)

Parameters
The detection items include maximum 21 parameters
(WBC, Lym#, Mid#, Gran#, Lym%, Mid%, Gran%, RBC, HCT,
MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW,
PCT, HGB, P-LCC, P-LCR, PLR (optional), NLR (optional)
3 histograms, alarm for abnormal erythrocytes, leukocyte
and platelet)

Reagent
Diluent
Lyse

Net Weight
≤ 28kg

Report Print
Built-in thermal printer
Support multiple USB printers
Multiple built-in report templates

Display Type
10.4 inch vertical color display with
touch panel

Storage
5,00,000 sample results, including
histogram and patient information

Input/Output
4 USB ports and Bi-directional LIS
connection, support USB keyboard,
mouse, USB disk and USB printer

Operating Environment
Temperature: 10°C~35°C
Relative humidity: 20%~85%

Power Supply
100~240V AC, 50/60 Hz, ≤150V AC
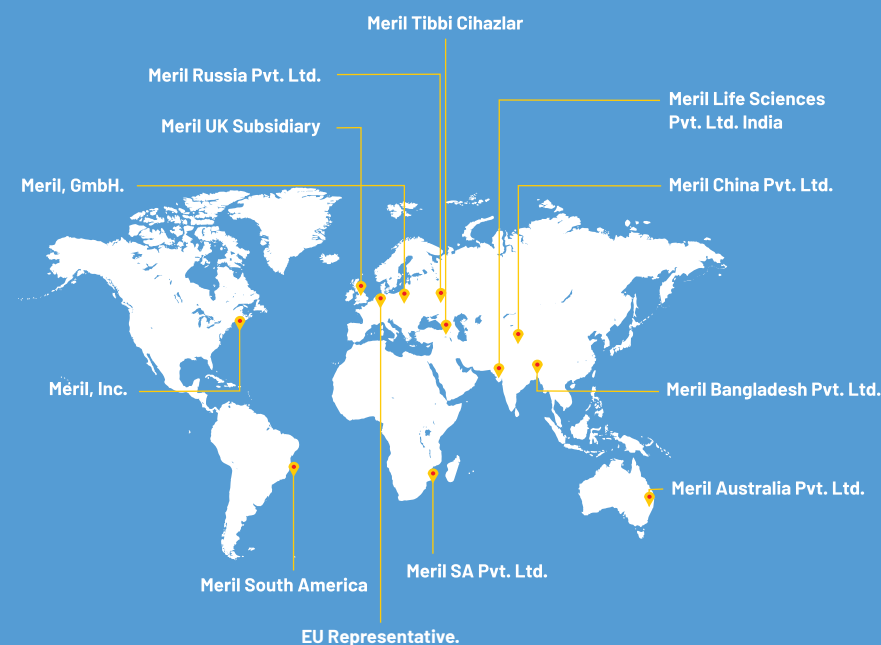
Dimension (mm)
420 (L) x 295 (W) x 430 (H)

Merilyzer
CelQuant 3i™

Premium 3 part Hematology Anlayzer

Reagents System
2
Reagents System

Meril's Global Presence

Meril Tibbi Cihazlar
Meril Russia Pvt. Ltd.
Meril UK Subsidiary
Meril Life Sciences Pvt. Ltd. India
Meril, GmbH.
Meril China Pvt. Ltd.
Méril, Inc.
Meril Bangladesh Pvt. Ltd.
Meril Australia Pvt. Ltd.
Meril South America
Meril SA Pvt. Ltd.
EU Representative.

Meril Diagnostics Pvt. Ltd.
D1-D3, Meril Park, Survey No. 135/2/B & 174/2
Muktanand Marg, Chala, Vapi – 396 191,
Gujarat, India.
T : +91 260 3509400 F : +91 260 2408025,
E : diagnostics@merillife.com

The Engineering Marvel in Hematology

Robust Hardware | **Sturdy Design** | **Advanced Software**

Merilyzer CelQuant 3i ™

Meril
Diagnostics

Premium 3 part Hematology Anlayzer

Robust Hardware:

- Intelligent floating threshold Technology
- Baseline Drift Correction Technology
- Residual Particle Fixing
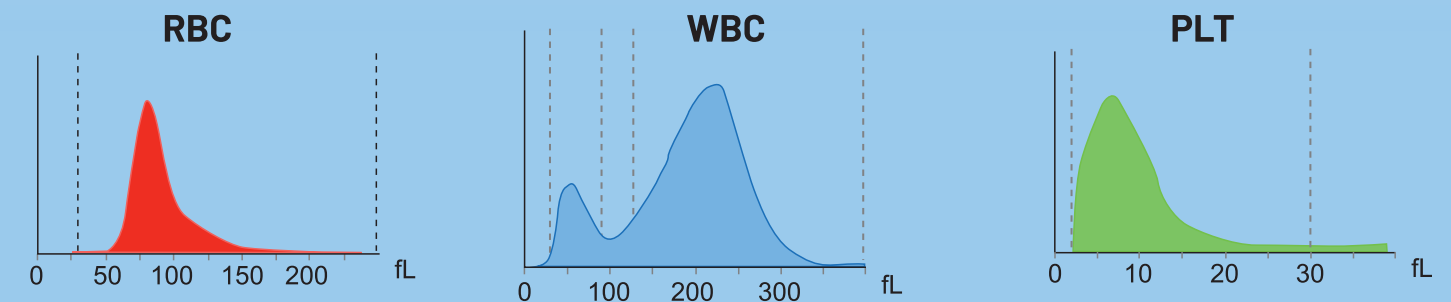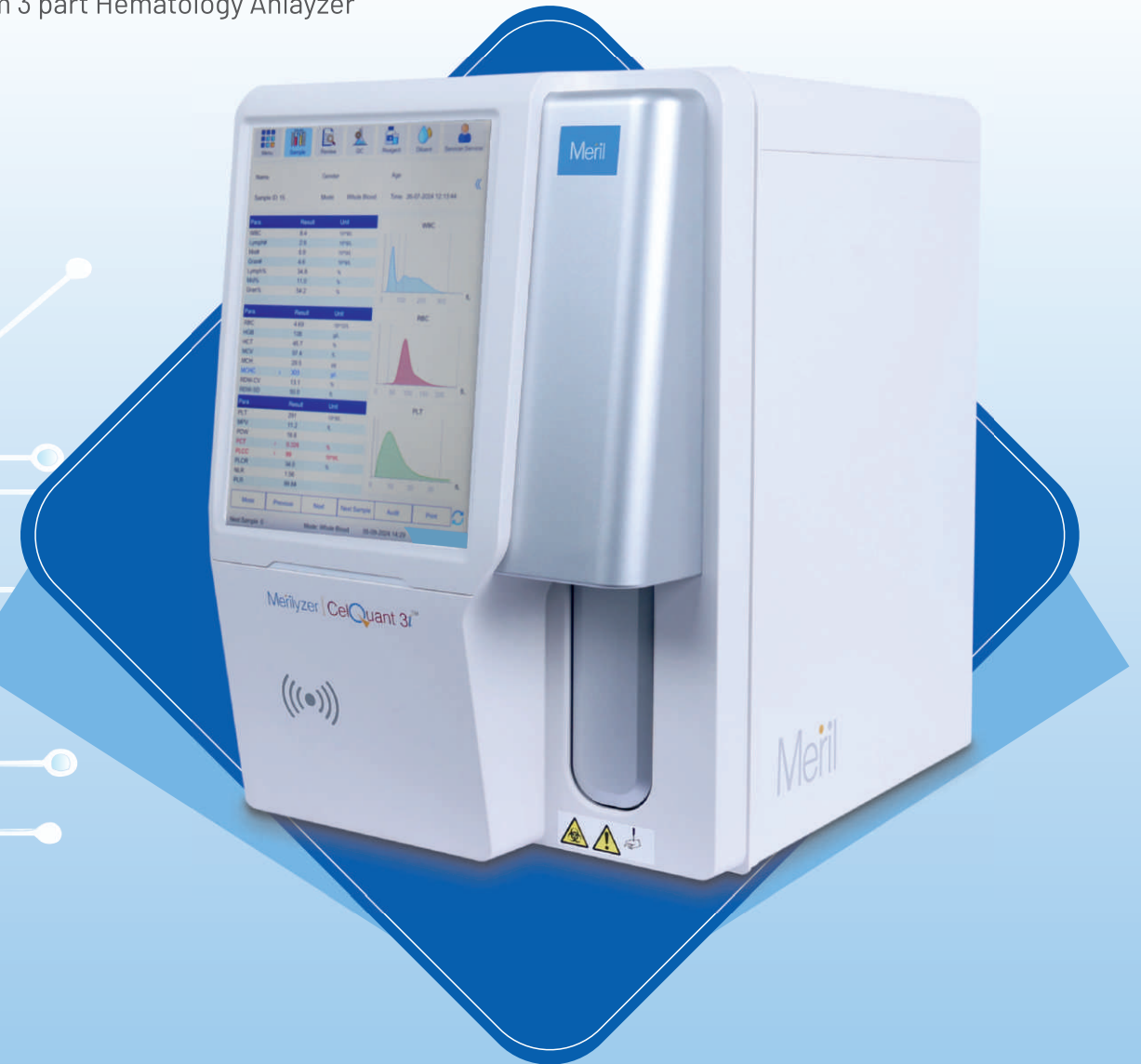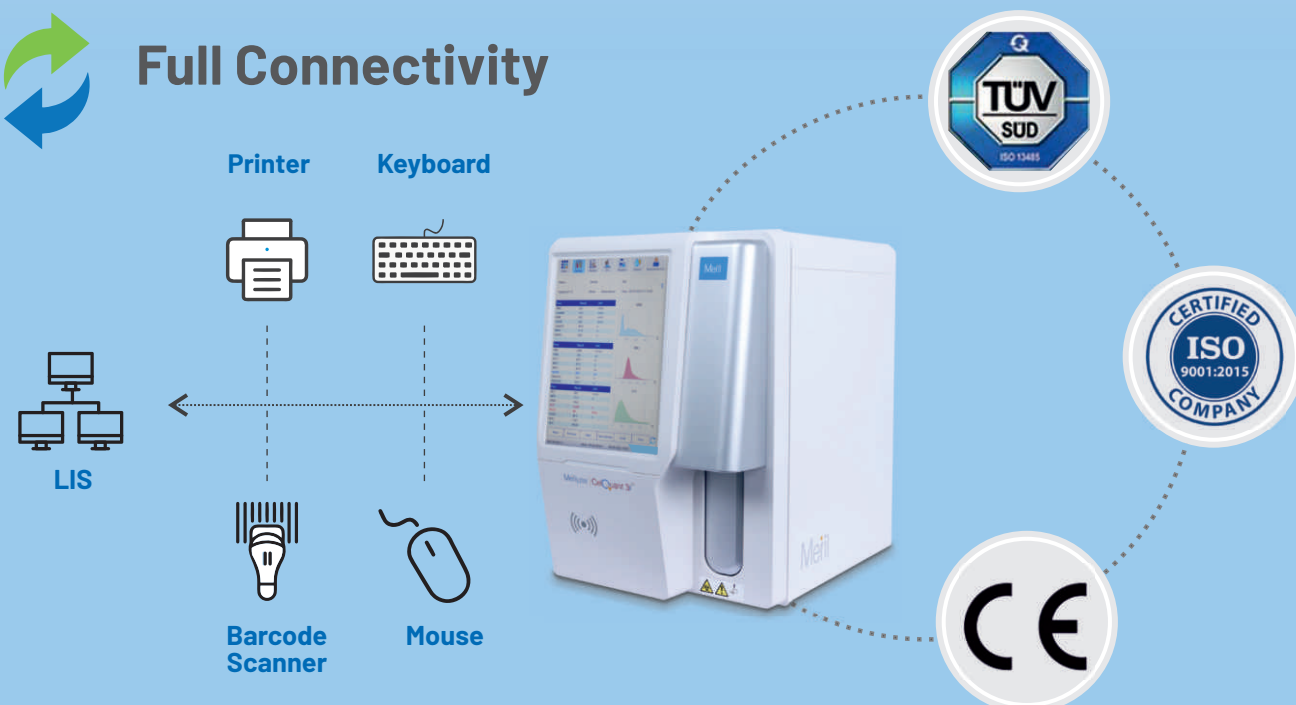- High voltage burning technology for Anti-clogging

Sturdy Design:

- High Quality Dual Chambers & Tubings
- Built in Liquid sensor technology
- Scientific design for protecting main board
- Advanced one touch maintenance

Advanced Software Functionalities:

- High Speed Pulse Collecting Technology
- Advanced reagents inventory management system
- Bi-directional LIS
- 5,00,000 test results storage
- Support multiple USB printers

Full Connectivity

Printer   Keyboard

LIS

Barcode
Scanner   Mouse

TÜV SUD
ISO 13485

CERTIFIED
ISO
9001:2015
COMPANY

C E

RBC

0   50   100   150   200   fL

WBC

0   100   200   300   fL

PLT

0   10   20   30   fL

Next Generation

Automated Hematology Analyzer

21 parameters including PLCC & PLCR

2 Reagents System

Multiple Built-in report Templates