

EM 360[®]

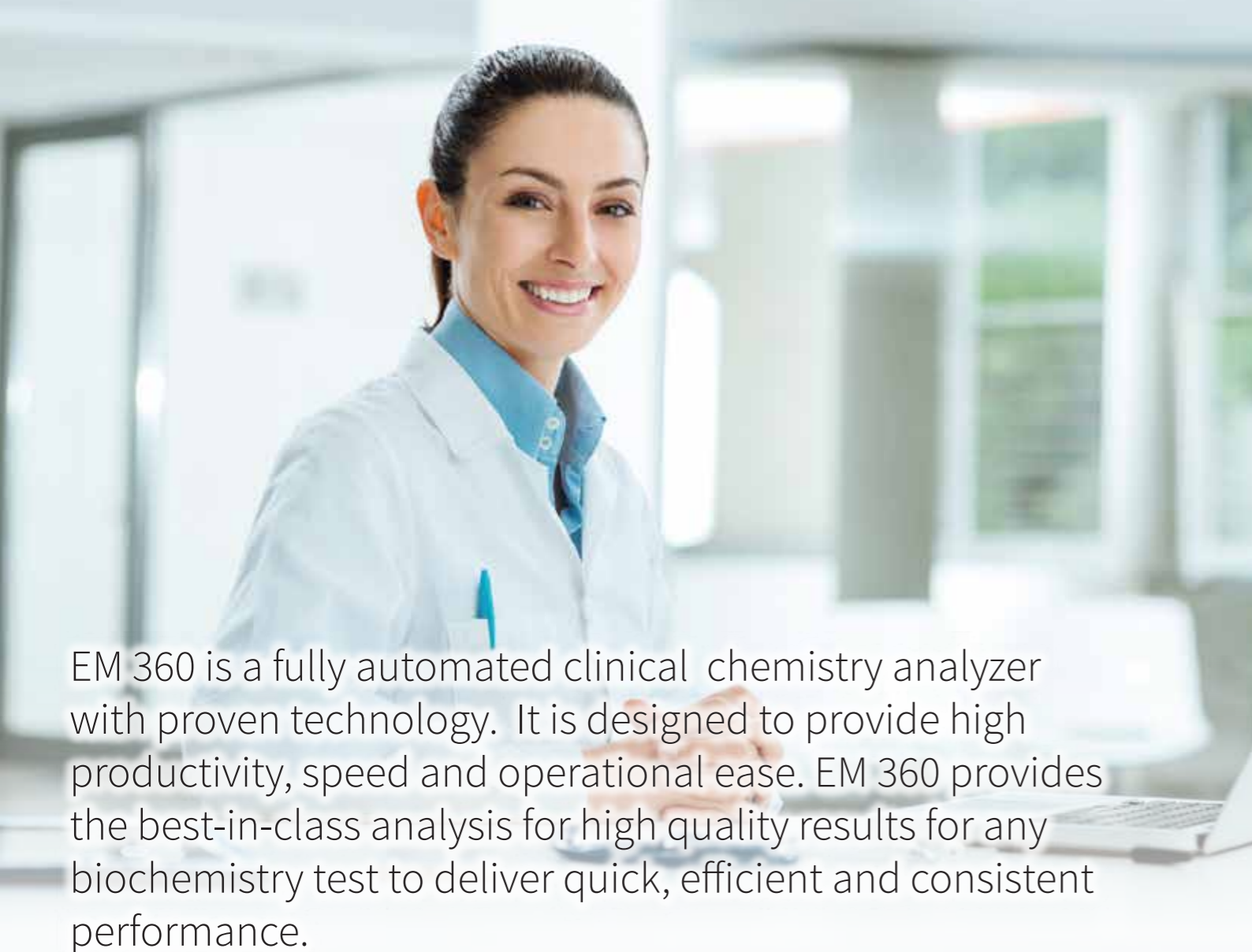
Fully Automated
Clinical Chemistry Analyzer



Floor Model

Step up for **Quality**





EM 360 is a fully automated clinical chemistry analyzer with proven technology. It is designed to provide high productivity, speed and operational ease. EM 360 provides the best-in-class analysis for high quality results for any biochemistry test to deliver quick, efficient and consistent performance.

EXTENSIVE TEST MENU

- All routine clinical chemistry profiles such as LFT, KFT, Lipids, Diabetes, etc.
- Specialized chemistries such as HbA1c, ADA, Apo(A), Apo(B), Lp(a), etc.
- Immunoturbidimetric assays such as ASO, RF, CRP, etc.

OFFERING TOTAL SOLUTIONS

REAGENTS

Flexibility to choose the right pack size for variable work loads:

- Erba XL system packs
- Small system packs
- ITA system packs

CALIBRATORS

- XL Multical
- ADA
- HbA1c Set

CONTROLS

- Erba Norm and Path
- HbA1c L and H
- ASO / CRP / RF L and H
- Microalbumin
- ADA

EMQAS (External control program) - Basic / Advanced / Plus (6 & 12 months)



PERFORMANCE

- Proven diffraction grating technology offers uncompromised reliability in terms of accuracy and precision of test results.
- Capacitance probes provide liquid level sensing & separate probes ensure reliability of throughput

ENVIRONMENT FRIENDLY

- Permanent hard glass cuvettes eliminate recurring cost of disposable cuvettes and avoid plastic usage.
- Fully equipped with a multi stage laundry station.

RELIABILITY

- Daily and monthly Levey-Jennings curve and facility to run user defined controls, ensures reliable reports.

CLOUD-BASED / SERVICE

Integrated Internet of Things (IoT) sensors to enhance efficiency.

FLEXIBILITY

Emergency sample processing facility provides total flexibility for reporting the stat patient reports.

INTELLIGENT SOFTWARE

- Offers connectivity to the host computer via LIS
- Automatically schedules daily workload, implements test instructions, Q.C. needs and monitors test run, verifies individual test results, repeats or cancels tests as and when needed, reports and stores results.

Floor Model

Technical Specifications

SYSTEM GENERAL

System Type:

Discrete, automated, random access, patient prioritized clinical chemistry analyzer

Throughput:

360 tests / hour photometric and 600 tests / hour with ISE* (*optional ISE with Na⁺, K⁺, Cl⁻, Li⁺)

Analytical Methods:

1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry (optional)

Barcode Reader:

For reagents and samples (optional)

Reaction Tray:

60 hard glass cuvettes

Reaction Mixing:

Stirrer with variable speed

Minimum reaction Volume:

150 µl with maximum 200 µl reading volume

On-board Laundry:

5 stage cleaning, 2 stage drying

Photometer:

Multi-wavelength diffraction grating with 12 wavelengths (340, 376, 415, 450, 480, 505, 546, 570, 600, 660, 700, 750 nm)

OD Range:

0.0 - 3.0

Light Source:

Halogen lamp

Detector:

Silicon photo-diode

Water Consumption:

< 10 litres

Programmable Parameters:

Default system pack parameters + upto 99 user defined parameters, Unlimited profile and unlimited calculation items

Quality Control:

QC plot data with QC rules. Provision for lab mean. Twin plot

Calibration:

K-Factor, Linear (1, 2 point & multipoint), 4P and 5P Logit-log, cubic spline, exponential, polynomial, On-board serial dilution for calibrator

Power Requirement:

AC 220 V ± 10 %, 50 Hz or

AC 110 V ± 10 %, 60 Hz

Power Consumption:

800 VA

Dimension: (mm)

Approx. 675 (W) x 840 (D) x 1120 (H)

Weight:

Approx. 150 kgs.

SAMPLE HANDLING

Sample:

Serum, Plasma, Urine, CSF, Whole blood, other

Sample Unit:

82 positions for samples, blank, controls, calibrators, STAT sample

Sample Pipetting:

2 - 70 µl (adjustable in 0.1 µl step) for Biochemistry, 70 µl fixed for ISE
Capacitance probe with liquid level sensing & vertical obstruction detection, serum indices

Auto Rerun:

Repeat with same, increased or decreased volume (upto 1:150)

Sample Tubes /Cups:

Primary tubes of 5 ml, 7 ml, 10 ml and sample cups

REAGENT HANDLING

Reagent Tray:

50 positions for reagents with onboard cooling

Reagent Pipetting:

R1: 50 - 300 µl (adjustable in 1 µl step)

R2: 10 - 200 µl (adjustable in 1 µl step)

Capacitance probe with level sensing & vertical obstruction detection

SYSTEM INTERFACE:

Analyzer-PC: USB

PC - Host Computer: Bidirectional TCP / IP & RS - 232

PC - Printer: USB

Operating System: Windows Based

Database:

Unlimited Results

Specifications are subjected to change without prior notice. (*Optional ISE with Na⁺, K⁺, Cl⁻, Li⁺ available on request at cost)

Transasia - Erba Group

Global Footprint



India Advantage

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