

# EM 360<sup>®</sup>

Fully Automated  
Clinical Chemistry Analyzer



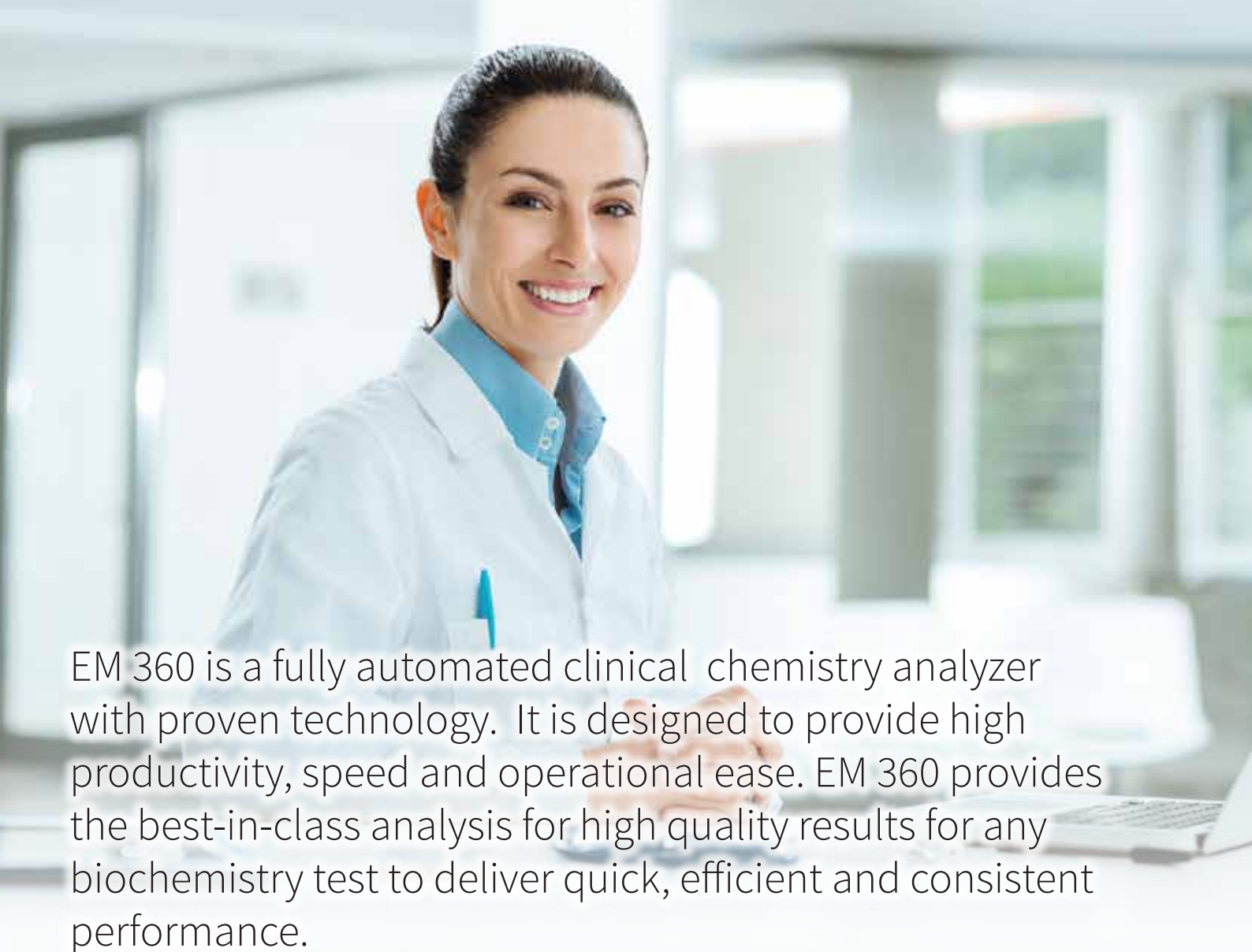
Floor Model

Step up for **Quality**



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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.
- Immunospectrometric 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)



# 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<sup>+</sup>, K<sup>+</sup>, Cl<sup>-</sup>, Li<sup>+</sup>)

### 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

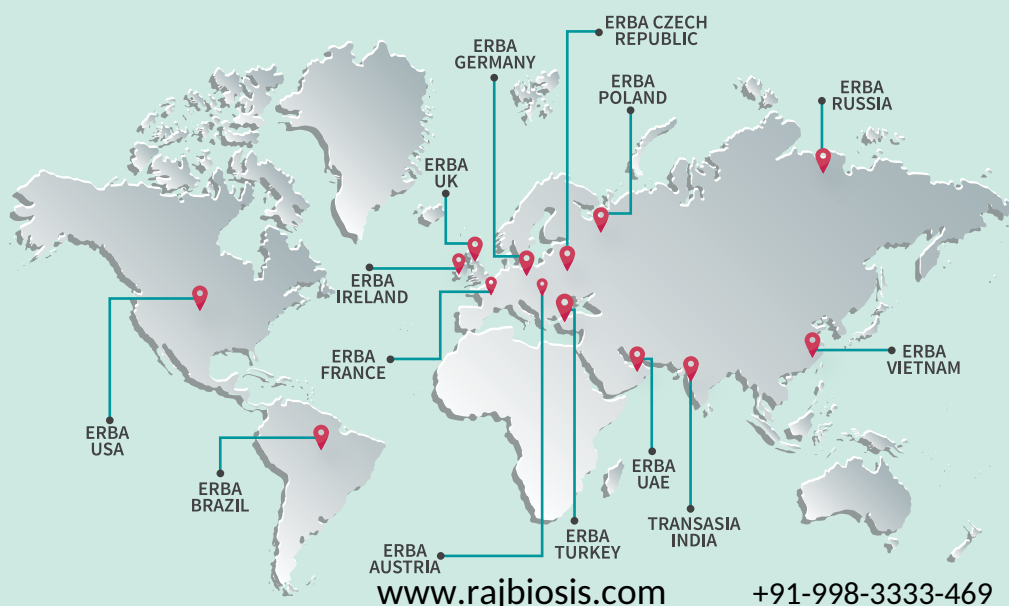
**Database:**

Unlimited Results

Specifications are subjected to change without prior notice. (\*Optional ISE with Na<sup>+</sup>, K<sup>+</sup>, Cl<sup>-</sup>, Li<sup>+</sup> available on request at cost)

## Transasia - Erba Group

### Global Footprint



www.rajbiosis.com

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### India Advantage

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