

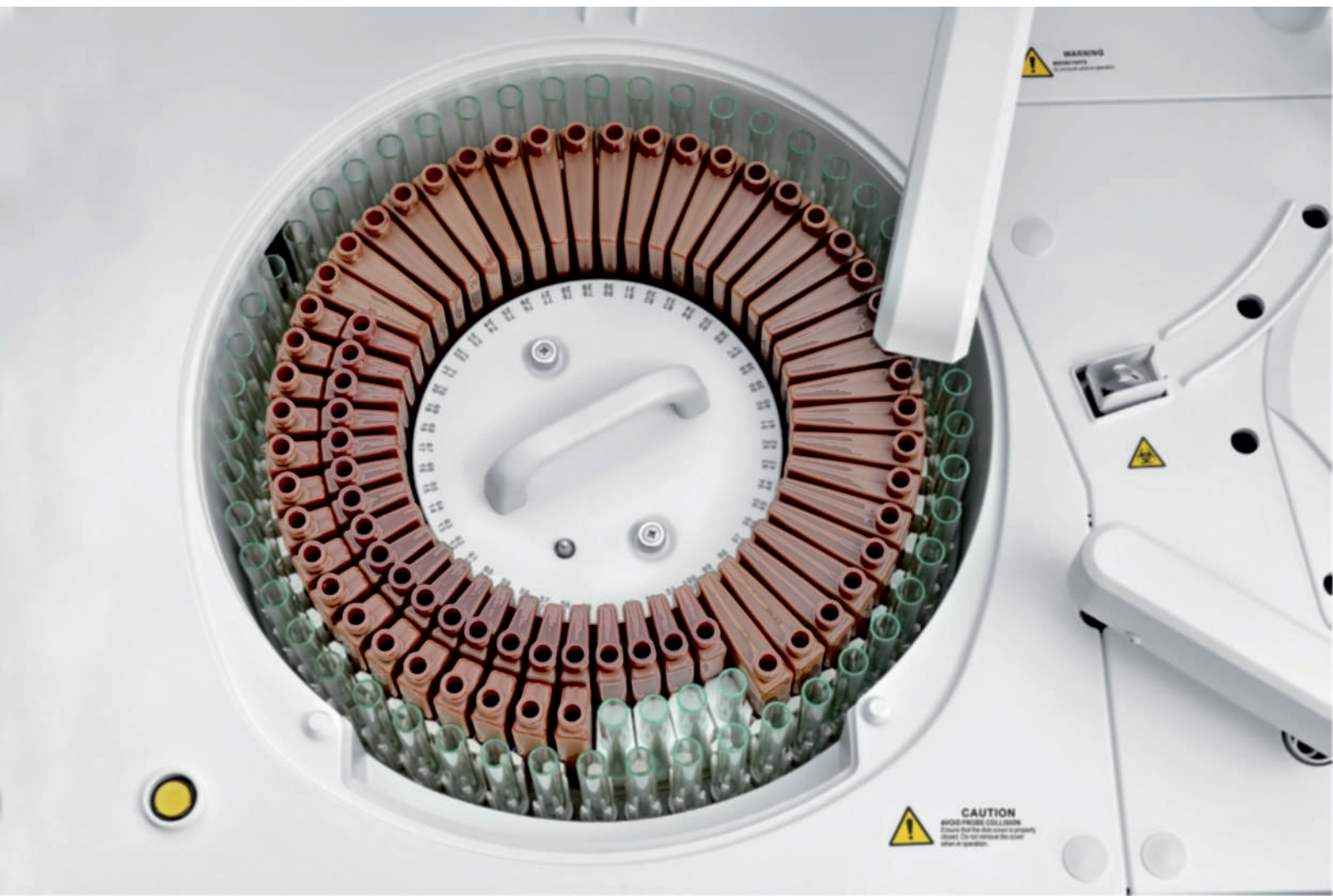


MISPA nano^{Plus}
Fully Automatic Clinical Chemistry Analyser

YOUR BEST PARTNER IN DIAGNOSTICS

Improved Speed and Performance

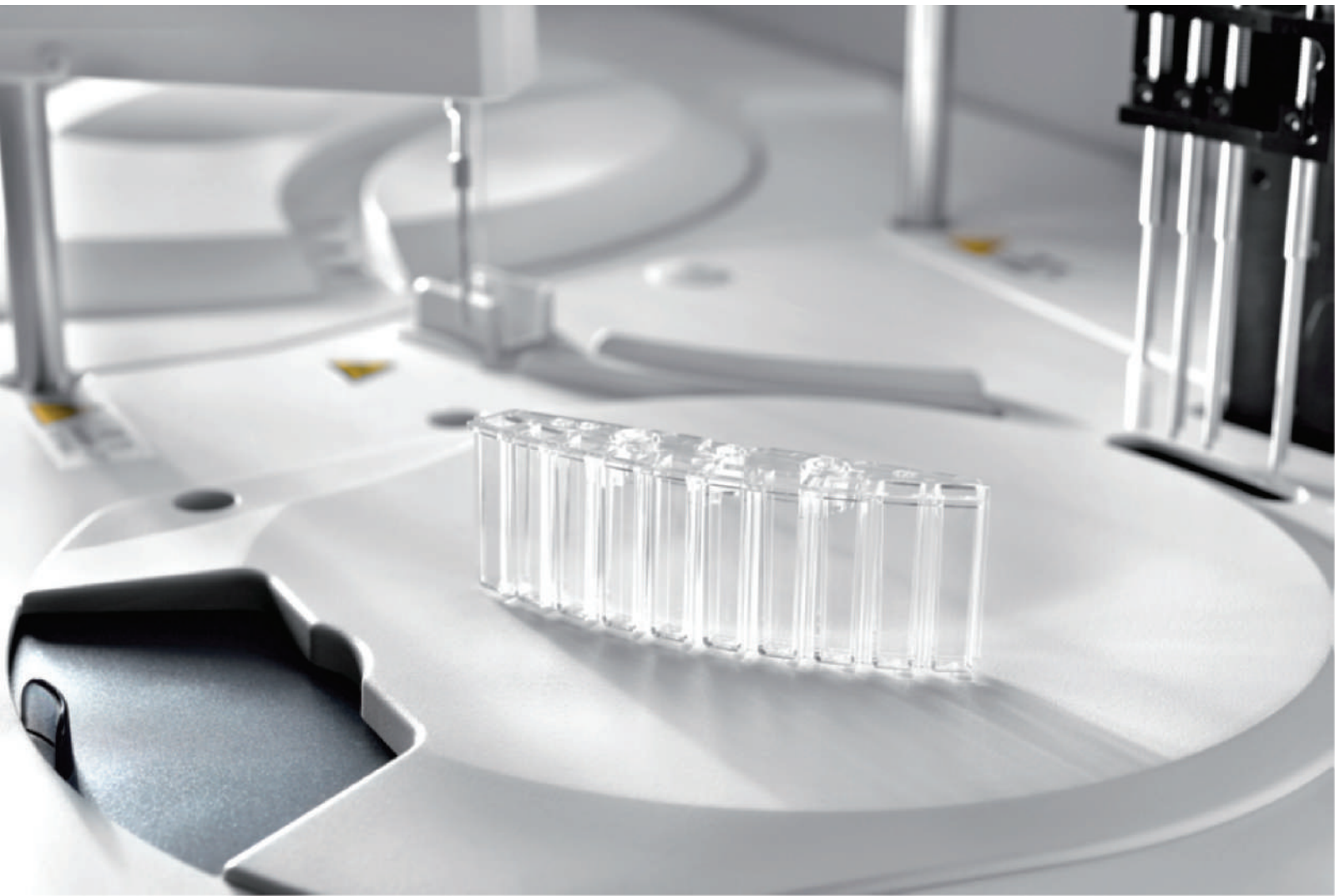
The most advanced and uniquely designed benchtop equipment for today's entry level to medium volume lab. Offers 360 tests per hour with all biochemistry and immunochemistry parameters. The reagent tray provides 24 hour non stop onboard refrigeration at 2 to 12°C. The sample positions can accommodate primary sample tubes, aliquot tubes and micro cups.



MISPA nano^{Plus}
Fully Automatic Clinical Chemistry Analyser

New Generation Photometer

All 80 reusable cuvettes are automatically cleaned by the 4 stage auto wash station. The optical system utilizes Grating photometry with twelve wavelengths from 340 to 800 nm to accommodate most of the clinical chemistry testing requirements with a minimum reaction volume of 100µL and ensures highest accuracy.



MISPA nano^{Plus}

Fully Automatic Clinical Chemistry Analyser



Optimized Wa



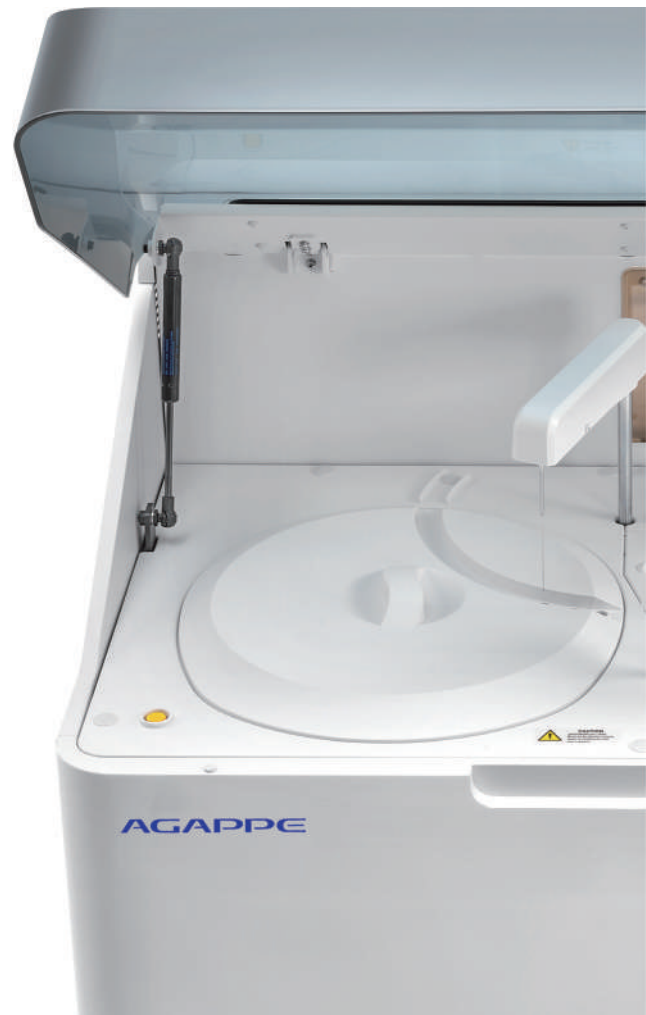
Waterfall probe
cleaning



Intelligent probe with optional
clot detection



Double switch
for power saving



ENGINEERING A N

MISPA nano^{Plus}

Fully Automatic Clinical Chemistry Analyser



Washing Station



Independent
mixing bar



Built-in
barcode reader



Intuitive software with
more functionalities



NEW MOMENTUM

MISPA nano^{Plus}

Fully Automatic Clinical Chemistry Analyser

Considerate Design

Smaller Footprint | Robust Functionality
User-Friendly designs | Long Uptime.

Up to 100 sample positions
Up to 100 reagent positions
(50 fixed + 50 interchangeable)



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Basic Renal Profile

- Urea U V
- Jaffe Creatinine
- Uric Acid

Advanced Renal Profile

- Enzymatic Creatinine
- Urea U V
- Uric Acid

Extended Renal Profile

- Calcium
- Magnesium
- MALB
- C3, C4
- Cystatin C

Basic Diabetic Profile

- Glucose
- HbA1c Direct

Advanced Diabetic Profile

- Glucose Hexokinase

Cardiac Profile

- CK-NAC
- hsCRP

Basic Liver Function Tests

- Alkaline Phosphatase
- Bilirubin Direct
- Bilirubin Total
- Total Protein
- Albumin
- SGOT
- SGPT

Extended LFT

- Gamma GT

Basic Lipid Profile

- Cholesterol
- Triglycerides
- HDL-C Direct
- LDL-C Direct

Extended Lipid Profile

- Lp(a)
- Apo A1, Apo B

RA Profile

- Rheumatoid Factor
- C-Reactive Protein

Immunoglobulins

- IgA
- IgE
- IgG
- IgM

Pancreatic Tests

- α - Amylase



Other Parameters

- Phosphorus
- LDH-P
- ASO
- Ceruloplasmin
- Ferritin
- Prealbumin

WIDE RANGE OF CHEMISTRY PARAMETERS IN ONE EFFICIENT PLATFORM OFFERING CONSOLIDATION AND COST SAVINGS

Technical Specifications

System Function	
Automatic, Discrete, Random Access, Bench-top, STAT sample priority	
Throughput:	Up to 360 photometric tests per hour
Measuring principles:	Absorbance photometry, turbidimetry
Methodology:	End-point, Fixed-time, Kinetic, Single/Double reagent chemistries, Mono-chromatic / bi-chromatic
Reagent/Sample Handling	
Reagent/Sample tray:	50 to 100 positions for reagents and 50 to 100 positions for samples in 24-hour refrigerated compartment (2~12 °C)
Reagent volume:	R1: 100~200µL, step by 0.5µL; R2: 10~200µL, step by 0.5µL
Sample volume:	2~35µL, step by 0.1µL
Reagent/Sample probe:	Liquid level detection, vertical collision protection, inventory checking, reagent pre-warming, optional clot detection
Probe cleaning:	Automatic washing for interior and exterior; Carry over < 0.05%
Automatic sample dilution:	Pre-dilution and post-dilution
Mixing Unit:	Independent mixing bar
Capable to communicate with LIS in bi-directional mode	
Reaction System	
Reaction tray:	80 reusable cuvettes
Reaction volume	100~360µL
Reaction temperature:	37 °C ± 0.1 °C
Cuvette Washing:	Washing station with pre-warmed detergent and de-ionized water
Optical System	
Light Source:	Halogen-tungsten lamp
Wavelength:	12 wavelengths, 340nm, 380nm, 412nm, 450nm, 505nm, 546nm, 570nm, 605nm, 660nm, 700nm, 740nm, 800nm
Absorption range:	0~3.5Abs, resolution 0.0001Abs
Control and Calibration	
Calibration modes:	K factor, Linear (two points and multipoints), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola, Logit-Log3P, Broken line, One key calibrator import function
Control Rules:	Westgard multi-rule, Levey-Jennings, Cumulative sum check, Twin plot
Operation Unit	
Operation system:	Windows 10
Interface:	RS-232
Working Conditions	
Power Supply:	200~240V, 50/60Hz, 1300VA or 100~130V, 60Hz, 1300VA
Dimension:	860 mm (length) × 660 mm (depth) × 550 mm (height)
Weight:	115 kg
Water Consumption:	6.5 L/hour

ISO 9001:2015
EN ISO 13485:2016



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