

Bring Technology to Life



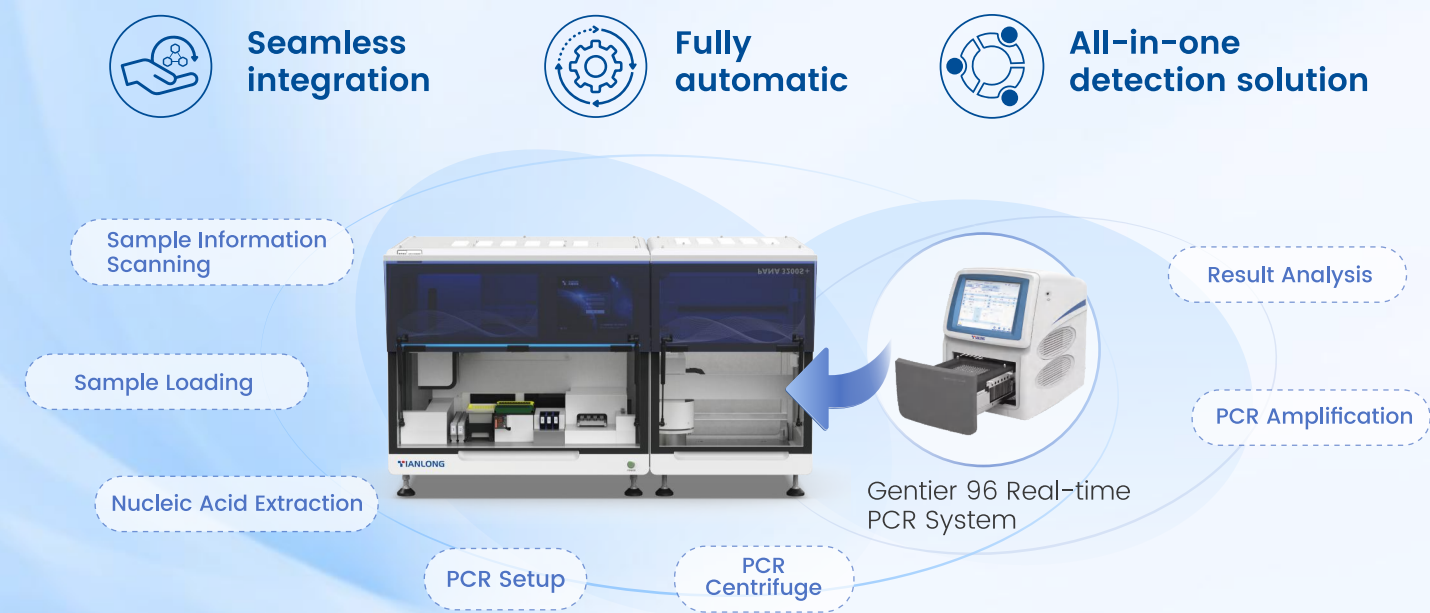
PANA 3200S+

Automatic Nucleic Acid Workstation

Streamline laboratory workflow by integrating multiple steps into one system

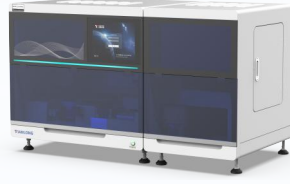

PANA 3200S+ is a fully automated nucleic acid workstation, which integrates the workflow of sample information scanning, sample loading, nucleic acid extraction, and PCR setup. It enables simultaneous parallel processing of 32 samples in one run, ensuring efficiency and reliability. Together with Tianlong Gentier96E/R Real-time PCR System, PANA 3200S+ will form an all-in-one detection solution, which can realize a true sample in-result out detection process and bring great convenience for professionals.

MAIN FUNCTIONS



- Seamless integration**
Optimize laboratory workflow by integrating multiple steps into one system. Together with Tianlong Gentier96E/R Real-time PCR System, PANA 3200S+ will form an all-in-one detection solution
- Fully automatic**
Optimize laboratory workflow by integrating multiple steps into one system. Together with Tianlong Gentier96E/R Real-time PCR System, PANA 3200S+ will form an all-in-one detection solution
- All-in-one detection solution**
Optimize laboratory workflow by integrating multiple steps into one system. Together with Tianlong Gentier96E/R Real-time PCR System, PANA 3200S+ will form an all-in-one detection solution
- Sample Information Scanning**
- Sample Loading**
- Nucleic Acid Extraction**
- PCR Setup**
- PCR Centrifuge**
- PCR Amplification**
- Result Analysis**
- Features**
 - Fully automatic operation**
Optimize laboratory workflow by integrating multiple steps into one system. Together with Tianlong Gentier96E/R Real-time PCR System, PANA 3200S+ will form an all-in-one detection solution
 - Broad compatibility with various sample types**
Support various sample types, including plasma, serum, whole blood, and swab scrub solutions; Enable simultaneous setup of 3 PCR reaction systems
 - Extensive testing with diverse applications**
Work with a wide range of testing items, covering respiratory infections, gastrointestinal infections, sexually transmitted infections, bloodborne infections, infectious diseases, genetic disease, pharmacogenomics
 - Minimized contamination control measures**
1)UV disinfection; 2) Internal negative pressure; 3) HEPA filtration; 4) Rotary mixing to reduce aerosols; 5) Anti-droplet design; 6) Strict experimental partition; 7) Disposable waste container
 - Smart information management**
Sample information scanning; Consumable identification; Automatic loading of mixing sleeve; Visualization of the whole testing process and rapid traceability of abnormal samples

SPECIFICATIONS

Model	PANA3200S+		PANA3200S	
				
Throughput	32			
Sample Processing Volume	200μL-500μL			
PCR Centrifuge	YES		NO	
PCR Tube Capping and Decapping	YES (Tianlong specialized 8-strip PCR tube only)		NO	
Compatible Consumables	Sample: Standard blood collection tube, various thread sampling tube, etc; Extraction: Tianlong specialized 96- deep well plate, rotary mixing sleeve; PCR: Tianlong specialized 8-strip PCR tube/0.1mL&0.2mL 96-well plate, depending on following PCR device			
Contamination Control Measures	1)UV disinfection; 2) Internal negative pressure; 3) HEPA filtration; 4) Rotary mixing to reduce aerosols; 5) Anti-droplet design; 6) Strict experimental partition; 7) Disposable waste container			
Pipetting Volume	5μL-1000μL			
Pipetting Performance	Below 15μL: accuracy: A≤2%, repeatability: CV≤3.0% 15μL-50μL: accuracy: A≤1.5%, repeatability: CV≤1.5% Above 50μL: accuracy: A≤1.0%, repeatability: CV≤1.2%			
Liquid Level Detection	Capacitance & pressure sensing technology			
Extraction Temperature Control Range	Range from 30℃ to 120℃ for lysis and elution			
Reagent Refrigeration	Auto-cooling at startup (4℃-8℃)			
Communication Specification	Ethernet connection (TCP/IP); USB 2.0			
Power Supply	AC100-240V; 50Hz; 600VA			
Touchscreen Display	12.1-inch touchscreen			
Dimension	773mm(W)*1403mm(L)*830mm(H)		732mm(W)*860mm(L)*830mm(H)	
Weight	177.2Kg		119.4Kg	

Version 1.0

All rights reserved by Tianlong. March 31, 2025



Tianlong Science and Technology
Mail: inquiry@medtl.com
Phone: +86-29-82682132
Website: www.medtl.net
Address: No. 4266 Shanglin Road, Xi'an, China