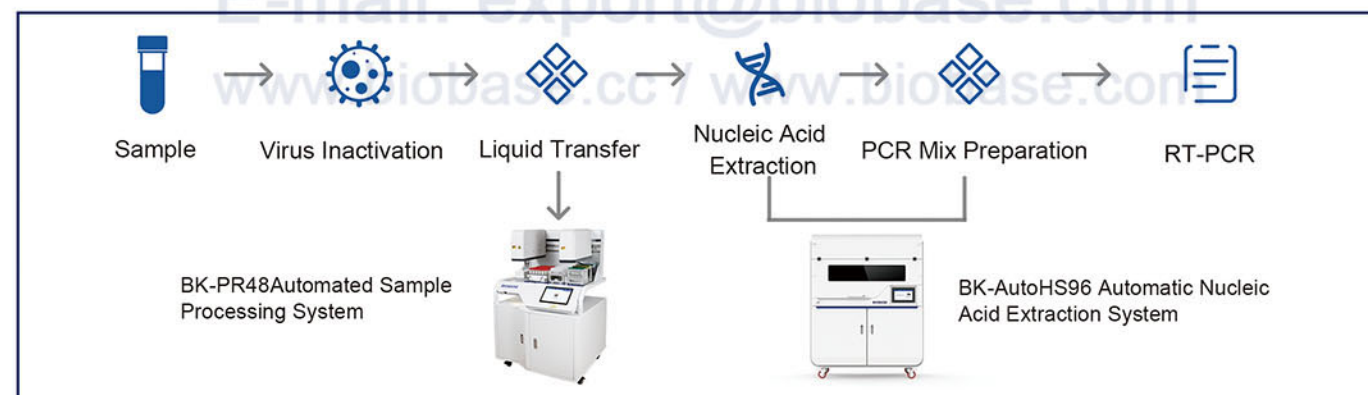


# Automated Sample Processing System BK-PR32 & BK-PR48



### Work Process:



### Introduction:

The Automated Sample Processing System can be used with a biological safety cabinet. It can complete lid opening/closing, dispensing, proteinase K/internal control addition, which helps laboratories quickly improve their large-scale nucleic acid detection capabilities.

### Application:

Sample processing for clinical diagnosis, epidemic surveillance, food safety, forensic identification, scientific research, etc., especially for samples of SARS-CoV-2 or other virulent infectious diseases.

### Features:

**Safety:** Automated Sample Processing System built-in UV lamp, and it can be used with a biological safety cabinet, to effectively prevent aerosol pollution.

**Efficient:** Cooperative processing with dual robotic arms.

**Convenient:** Visual interface operation, easy to operate.

**Compatibility:** Compatible with a variety of pipette tips, deep well plates, sampling tubes. (including blood collection tubes)

**Smart:** One-key operation, smart dispensation.

### Parameters:

Model	BK-PR32	BK-PR48
Throughput	1~32	1~48
Processing Time	32 samples/10min	96 samples/30min
Sample Type	Plasma, serum, whole blood, swab solution and other samples	
Sample Rack	1pc, 3*12 with locking device (compatible with a variety of sampling tubes)	1pc, 6*8 with locking device (compatible with a variety of sampling tubes)
Robot Arm	1 pc (Dispensation arm )	2 pcs (Dispensation arm and Screw cap arm)
Plate Position	2 pcs (Compatible with I-shaped and square boards)	3 pcs (Compatible with multi-specification deep-well plates)
Tip Position	3 pcs (Including tip waste box position)	
Reagent Rack	1 pc (4*2ml centrifuge tube+4*2ml freezing tube+4*5ml freezing tube)	
Protective Function	Can be used in a biological safety cabinet External droplet catch tray design With air-tight and anti-drip design	
Liquid Detection	Pneumatic liquid level detection principle, intelligent detection of blocked needle	
Pipetting Volume	5-1000µl (1000/50µl Tip)	
Pipetting Accuracy	20µl, CV≤2%, Accuracy≤5.0%, 50µl Tip 1000µl, CV≤0.5%, Accuracy≤1.0%, 1000µl Tip	
Power Supply	AC220V,50/60Hz(Standard); AC110V,50/60Hz(Optional)	
External Size (W*D*H)	540*680*1113mm	827*794*1232mm
Net Weight	56kg	100kg
Package Size (W*D*H)	670*810*1314mm	Main instrument:855*855*747mm Base cabinet:960*925*975mm
Gross Weight	76kg	Main instrument: 75kg Base cabinet:65kg