

DAKEWE

SUPERIOR QUALITY  
EXCELLENT SERVICE

About Dakewe

Dakewe was founded in 1999 and is headquartered in Shenzhen, China and provides quality products and excellent services to customers all around the globe.



DAKEWE

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HP300 Plus tissue processor  
Ver 1.0 EDITED 25.11.2022



Tissue processing all  
in your control

**HP300 Plus**  
Automatic tissue  
processor

# HP300 Plus

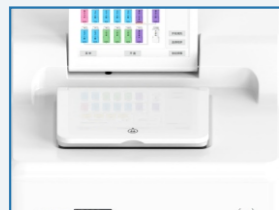
## Automatic tissue processor



### Reliability

- **Self-test:** automatically check key operation parameters before the process starts, minimizing the possibility of malfunction from the beginning
- **Backup power:** auto switch to UPS (not provided) in case of power failures, allows for uninterrupted processing
- **Dual air pump system:** two air pumps can work individually or jointly to ensure instrument accountability
- **Dual temperature sensors:** shift control algorithm spontaneously to provide excellent temperature control
- **Component monitoring:** real-time monitoring of components and parameter settings.
- Together with intelligent analysis and precaution, further offers great overall performance

### Operation



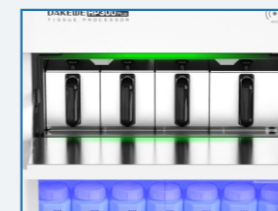
- **Auto electric lock:** electric lock can be triggered on touch screen effortlessly and offers better sealing
- **Retort lid heating:** heating retort lid reduces condensation and wax attachment
- **Unique benchtop:** smooth, elegant marble cover prevents contamination and requires little cleaning



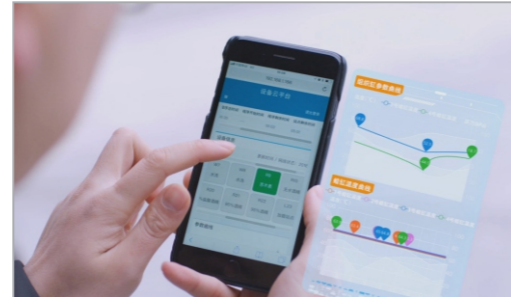
- **Status indicator light:** color coded clearly show instrument status



- **Backlit reagent cabinet:** blue lights illuminate reagent bottles, know liquid level at a glance
- **Cleaning xylene pre-heating:** heating module under cleaning xylene bottles can heat to 40 - 55°C, further improving cleaning performance and efficiency



- **Twice wax draining:** drain wax a second time before xylene cleaning to reduce wax residue and save cleaning reagents



## Specimen safety

- **Power failure protection:** memorize the current processing step on account of a power failure; immerse samples in safe reagent if UPS is connected
- **Cloud remote monitoring:** have the status in control even while away, remind via multiple methods when a risk is detected

- **Automatic Concentration Monitoring (ACM):** on-board high-precision sensors detect alcohol concentration to prevent incorrect replenishment
- **Ceramic rotary valve:** heat-resistant ceramic valve significantly reduces blockage caused by wax attachment and thus promotes the stability and accuracy of liquid delivery
- **Ultrasonic sensors:** Ultrasonic sensors unaffected by wax build-ups are able to provide correct liquid level information consistently



- **Twice wax draining:** drain wax a second time before xylene cleaning to reduce wax residue and save cleaning reagents

## Intelligent features

- **Reagent Bottle Intelligent Identification System (RBIS):** identification module built in every reagent bottle enables auto reagent information extraction and position detection to streamline reagent management
- **Auto fill-up:** fill reagent or paraffin to appropriate level from corresponding reagent group when remaining liquid in the bottle is insufficient and alert operator, so as to avoid sample from accidental drying



- **Remote fill & drain:** reagent ports exclusively for easy and automatic remote fill & drain. Following auto pipe cleaning eliminates cross-contamination
- **Wax Purification** innovative wax purification feature removes solvent residue in wax, extending its service life
- **Reagent rotation:** enable automatic definition of the reagent sequence, save your time from rearranging reagent containers



- **Reagent management:** multidimensional monitoring of reagents, reagent replenishment record can be generated and exported



## Technical specifications

Technical Specifications		
Model	HP300	HP300 Plus
Rated voltage	100 - 120 VAC / 220 - 240 VAC	
Rated frequency	50/60 Hz	
Rated power	1200 VA	
Operating temperature	+10 °C to +40 °C	
Dimension (W × D × H)	620 × 640 × 1170 mm	
Weight (without reagents)	Approx. 180 kg	
Retort capacity	Maximum 300 cassettes in 2 sample baskets	
Paraffin reservoirs	3 small, 1 large	
Paraffin reservoir volume	Small: 4.2 L; large: 5.6 L	
Reagent bottles	10	
Cleaning reagent bottles	3	
Condensate bottle	1	
Reagent bottle volume	3 levels: 3 L, 4.3 L, 4.8 L. Maximum 5 L	
Reagent concentration monitoring	×	√
Reagent bottle intelligent recognition	×	√
Paraffin purification	×	√
Dual pump	×	√
Remote fill & drain	×	√
Cleaning reagent pre-heating	×	√