



# PLATELET AGITATOR & INCUBATOR



## Quality, Management, Environment, Health & Safety Standards



CDSCO MD 5 License



USFDA Listed



European CE



ISO 9001: 2015  
IAF



ISO 13485:2016  
NABCB/IAF












ISO 45001 : 2018  
IAF














7 Electric Safety Certifications  
IEC 60335-1 and IEC 60335-2-24, IEC 61010-1,  
IEC 61010-2-020 and 61010-2-101, IEC 61326-1,  
IEC 61326-2-6

At MarkEn, we understand the critical importance of preserving platelet viability. Our state-of-the-art Platelet Agitators and Incubators are designed with precision engineering and innovative technology to ensure safe, reliable, and efficient storage – every time.

## PLATELET AGITATOR HIGHLIGHTS

	<b>Enhanced Oxygen Transfer:</b> Uniquely designed rack for superior ventilation.
	<b>Gentle Mixing:</b> Flatbed agitator ensuring smooth, uniform motion.
	<b>Continuous &amp; Consistent Agitation:</b> Fixed-speed operation prevents platelet clumping.
	<b>24/7 Jerk-Free Agitation:</b> Robust motorized slide for seamless performance.
	<b>Motion Failure Alarm:</b> Immediate alerts for any operational disruption.
	<b>Optimal Air Circulation:</b> Perforated flatbed shelves maintain uniform airflow.
	<b>Power Failure Beeps:</b> Timely warnings ensure prompt action.
	<b>Automatic Stop:</b> Agitation halts when the door is open for safety.
	<b>Antibacterial Coating:</b> Promotes superior hygiene and safety.

## PLATELET INCUBATOR HIGHLIGHTS

	<b>Robust Construction:</b> Double-walled with stainless steel 304G inner chamber.
	<b>Durable Exterior:</b> 1mm-thick mild steel with a powder-coated or stainless steel 304G finish.
	<b>Forced Air Circulation:</b> Ensures consistent and uniform temperature.
	<b>Advanced Cooling System:</b> Thermoelectric cooling method for optimal performance.
	<b>Integrated Electrical Outlet:</b> Chamber-mounted outlet for agitator connectivity.
	<b>Power Stability:</b> Built-in voltage stabilizer and SMPS ensure efficient power supply.
	<b>Secure Closure:</b> Magnetic gasket and keyed door lock minimize air loss.
	<b>Superior Insulation:</b> CFC-free, high-density polyurethane foam keeps temperatures stable.
	<b>Glass Door:</b> Easy monitoring without disturbing the chamber environment.
	<b>Programmable Alarms:</b> Audible and visual alarms for enhanced safety.
	<b>Long-Term Reliability:</b> Minimum 10-year lifespan with guaranteed spare parts availability.



**Superior Ventilation & Oxygen Transfer**  
Ensures platelet longevity.



**Hygienic Design**  
Easy-to-clean sliding tray and antibacterial coating.



**Safety First**  
Visual and audible alarms provide timely alerts.



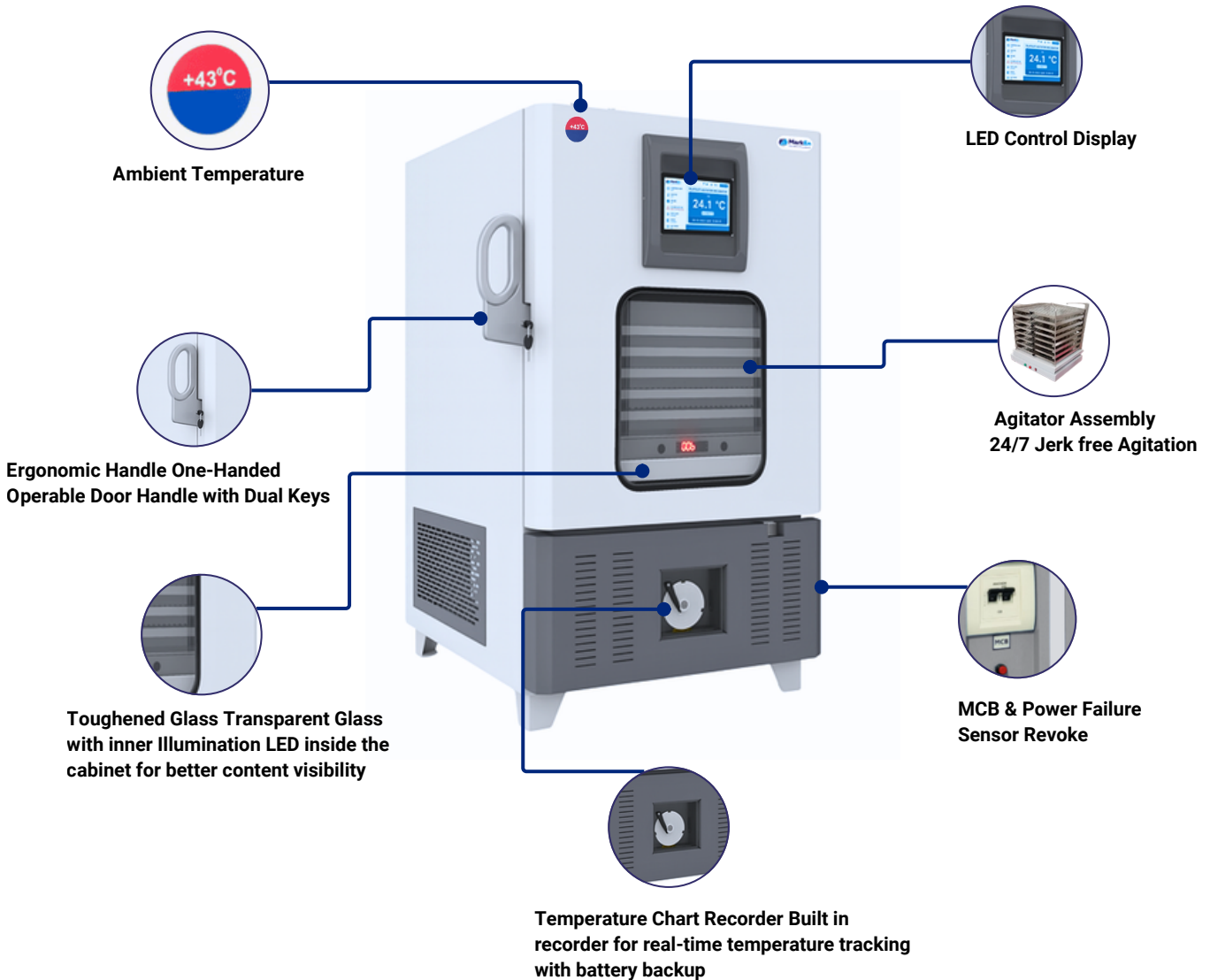
**Precision Engineering**  
Built for durability and long-term performance.



**Trusted Quality**  
Setting the standard in platelet storage technology.

**MARKEN PLATELET AGITATOR AND INCUBATORS**

<b>Capacity</b>	48 bags	48 bags	24 bags	96 bags	<b>As per customer Requirement</b>
<b>Exterior Body</b>	MS with powder coated	Stainless steel	MS with powder coated	Stainless steel	



### TECHNICAL SPECIFICATION OF PLATELET AGITATOR

<b>Make</b>	MarkEn
<b>Trays</b>	8 sliding tray stainless steel 304 removed trays for cleaning
<b>Material of Trays</b>	Stainless Steel 304
<b>Type of agitation</b>	Movement -Flat bed agitation.
<b>Cycle Motion</b>	65 +/-7 cycles per minutes
<b>Pause function</b>	10 Sec
<b>Agitating mechanism</b>	230V AC induction motor controlled
<b>Displacement Range</b>	36mm
<b>Indication</b>	LED Indication for blown fuse
<b>Power Supply</b>	220-240V, 50 Hz single phase AC power supply

### TECHNICAL SPECIFICATION OF PLATELET INCUBATOR

<b>Make</b>	MarkEn
<b>Type</b>	Tabletop Model
<b>Door</b>	Single-pane tempered glass door provides a secure and shatter-resistant barrier while allowing for clear visibility of the stored platelet bags
<b>Controller</b>	Microcontroller-based temperature recorder and controller unit (TRCU) positioned at eye level for better visibility
<b>Temperature Range</b>	+22°C with temperature variations of $\pm 1^{\circ}\text{C}$
<b>Working Environment</b>	Extremely hot environmental temperatures of up to +43°C with Humidity 5% to 95% RH and atmospheric pressures ranging from 600 to 1060 hp.
<b>Thermal Printer (optional)</b>	50 millimetre (Fitted in body)
<b>Audio Visual Alarms system</b>	Temperature Low, Door Open, Temperature High, System ok, Agitation off, Cooling Mode, Battery Low, Heating Mode
<b>Compressor</b>	Hermetically sealed
<b>Internal lamp</b>	LED tube for uniform lighting
<b>Display</b>	4 x 7 segment LED display with resolution of 0.5
<b>Temperature Chart Recorder</b>	Six inch 7-day ink-based pressure sensitive circular chart recorder with $\pm 1^{\circ}\text{C}$ accuracy and also has chart changing and set button facility
<b>Battery Backup</b>	2 hours Inbuilt battery backup with 12V, 2.3 Ah rechargeable battery for ensure continuous operation of the display and alarm during power failure
<b>Data Logger</b>	USB Data logger (Optional)
<b>Power Supply</b>	220-240V, 50 Hz single phase AC power supply
<b>Power Protection</b>	MCB provides an extra layer of protection against electrical overloads and short circuits

## ALL-IN-ONE SOLUTION FOR

Cold Chain Solution  
Medical Equipment  
Blood Bank Equipment

Hospital & Scientific Equipment  
Hospital Furniture & Infrastructure  
Commercial Refrigeration



**25+**

Years of Excellence



**400+**

Product Range



**500+**

Service center



**1000+**

Committed Engineers



**1,00,000+**

Satisfied Users

## CERTIFICATION



10 products tested by a WHO-PQS accredited laboratory



ISO 14001: IAF



WHO GMP



BIFMA Certified, BIFMA Level 3



ASTM- Corrosion Free Products



ISO 2409

EN 13523-26,  
ISO 13849-1,  
IP 69, IP 65

& MANY OTHER...

## OUR ESTEEMED CUSTOMERS



& MANY MORE...



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