PRECIOUS® TECHNO ENGINEERING

MORTUARY CHAMBER

APPLICATIONS

- **Hospitals & Nursing Homes:**
  For temporary storage of deceased patients before transfer or post-mortem.
- **Forensic & Police Departments:**
  Preservation of bodies for identification and investigation purposes.
- **Medical Colleges & Research Institutes:**
  For anatomical studies, autopsy, and research purposes.
- **Crematoriums & Funeral Homes:**
  Maintaining bodies under hygienic and controlled conditions before final rites.
- **Disaster Management Centres :**
  Used for body preservation in mass casualty situations.

KEY FEATURES

1. Construction Material:
- **Inner Chamber:** Stainless Steel (SS 304 grade) for hygiene and corrosion resistance.
- **Outer Body:** Powder-coated mild steel or stainless steel for durability.
- **Insulation:** High-density polyurethane foam (PUF) to minimize temperature loss.

2. Refrigeration System:
Equipped with a powerful, hermetically sealed compressor and condenser unit for precise temperature control.

3.Temperature Range:
It maintained between **-10°C to +10°C** for short-term storage, and up to **–15°C** for long-term preservation.

4. Individual Compartments:
Available in single, double, four, six, or twelve body configurations with independent trays and doors.

5. Digital Temperature Control:
Microprocessor-based digital temperature indicator and controller for accurate monitoring.

6. Easy Access Trays:
Removable stainless steel trays mounted on telescopic slides for smooth movement and easy handling.

7. Automatic Defrost System:
Ensures consistent cooling performance and minimal maintenance.

8. Door Sealing & Locking:
Each compartment has air-tight magnetic gaskets and secure locking mechanisms for safety and odour control.

9. Power Supply:
Operates on **220/230V AC, 50 Hz** single-phase power supply (customizable for international use).

TECHNICAL MATRIX

Model No	PTE-MC-511-A	PTE-MC-511-B	PTE-MC-511-C	PTE-MC-511-D	PTE-MC-511-E
Capacity	Single Bodies	Double Bodies	Three Bodies	Four Bodies	Six Bodies
Temperature Range	+2°C to 8°C				
Temp Controller	By Microprocessor Based PID Digital Temperature Indicator cum Controller				
Resolution	0.1°C				
Deviation in Temp.	+1°C				
Display	LED /LCD Display/LCD Display				
Relay	Solid State electronic Relay with protective heat sink				
Temperature Sensor	PT-100				
Condenser	Efficient Condenser with automatic evaporating system (condensate)				
Refrigerant	R 134 Non CFC				
Air Circulation	By forced convection system				
Safety Feature	High Temp and Low Temp Deviation Alarms + Power failure Alarms				
Maximum Permitted Load On per Tray	150 Kg				
Insulation	By High density PUF insulation				
Operations	Nearly silent operation with ultra-low vibration				
Voltage Indicator	By Volt Meter fitted on Panel				
Electric Supply	220/230V Ac, 50/60Hz				

OPTIONAL ADD ONS

- Battery backup / UPS system
- Stainless steel trolley with rollers