

MOBILE LAMINAR TROLLEY



APPLICATIONS

- **Pharmaceutical and Biotech Industries:** Safe transfer of sterile materials between cleanrooms.
- **Hospitals and Healthcare:** Handling sterile instruments and medical devices.
- **Microbiology & Tissue Culture Labs:** Transport of culture media or sensitive biological materials.
- **Food and Beverage Industry:** Movement of contamination-sensitive ingredients.
- **Quality Control Labs:** Maintaining sample integrity during transfer.

KEY FEATURES

Construction:

- Made from stainless steel (SS 304/316) for corrosion resistance and easy cleaning.
- Smooth, crevice-free design to minimize microbial build up.

Portable Design:

- Mounted on heavy-duty casters with brakes for smooth movement between rooms or labs.
- SS 304 doors with double walled flush Toughened glass view panels and SS handles. Compact and lightweight for easy portability.

HEPA Filtration:

- Equipped with HEPA filter (99.97% efficiency at 0.3 μm) ensuring ISO Class 5 clean air quality.
- Pre-filter provided for dust and large particle retention conform to EU6 GRADE
- Fresh Air filter non-woven synthetic conforms to EU 4 grade

Laminar Airflow:

- Delivers uniform unidirectional airflow to protect samples and materials from contamination.
- Air velocity typically ranges from 0.35–0.45 m/s.

Illumination & Power:

- LED/fluorescent lighting for clear visibility.
- UV germicidal lamp for sterilization

Blower System:

- Low-noise, energy-efficient centrifugal blower ensures steady airflow.
- Dynamically balanced for vibration-free operation.

TECHNICAL MATRIX

MODEL NO	PTE- MLT-805 A	PTE- MLT-805 B
Inner Size (WxDxH)	2'x2'x2'	3'x2'x2'
HEPA Filter Size	2'x2'x 3"	3'x2'x 3"
No. Of Motor/ Blower	1	1
Illumination	1 x 20 w	1 x 20 w
HEPA Filter	HEPA Filter (99.97% efficient at 0.3 micron particles)	
Pre- Filter	High efficiency pre- filter (Washable)	
Sterilization	By U.V Germicidal Tube in work area	
Front Door	Made of Stainless Steel 304/316	
Noise Level	Less than 65 db	
Electric Supply	AC 230V , 50/60Hz	

OPTIONAL ADD ONS

- UV Germicidal Lamp for sterilization.
- Digital Airflow Velocity Display.
- Differential Pressure Gauge.
- Battery Backup or UPS support.
- Variable Speed Controller for blower.
- Customized sizes and dual-side operation.