



ETO Sterilizer

 https://youtu.be/iN_Nx2usONQ?si=f5vZf40KZNxMAHP5
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ETO Sterilizer

Sterilizer critical moisture or heat sensitive items

What is ETO Sterilization?

Ethylene Oxide (ETO) sterilization is a low-temperature sterilization process used for medical instruments that cannot withstand high heat or steam sterilization.

Suitable for:

- CSSD
- Endoscopes
- Catheters
- Plastic medical devices
- Surgical kits
- Electronic medical components
- Rubber and polymer products
- Disposable medical products



How the ETO Process Works

Step 1 – Preconditioning

Products are prepared at controlled temperature and humidity.

Step 2 – Vacuum Cycle

Air is removed from the chamber to ensure deep gas penetration.

Step 3 – Gas Injection

Measured ETO gas is introduced into the sterilization chamber.

Step 4 – Exposure Phase

ETO gas penetrates packaging and device surfaces to destroy microorganisms.

Step 5 – Gas Removal

The chamber is evacuated and gas is neutralized safely.

Step 6 – Aeration

Residual ETO is removed from products before use.

Key Features

- Fully Automatic PLC Control
- Touchscreen HMI Interface / LCD Controller
- Multi-stage Vacuum System
- Automatic ETO Gas Dosing
- Temperature & Pressure Monitoring



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- Safety Interlocks
- Stainless Steel 304/316 Construction
- Leak Detection System
- Data Logging & USB Export
- GMP & CSSD Compatible Design

MODEL

Model	Capacity	Chamber Size (mm)	ETO Gas Cartridge	Chamber Material
LME50	50 Liters	304x610x304	50 gm	Stainless Steel 304 / 316
LME125	125 Liters	304x1373x304	100 gm	Stainless Steel 304 / 316
LME210	210 Liters	414x1242x414	100 gm	Stainless Steel 304 / 316
LME250	250 Liters	454x1220x454	170 gm	Stainless Steel 304 / 316
LME425	425 Liters	610x1222x610	300 gm	Stainless Steel 304 / 316
LME900	900 Liters	610x2442x610	510 gm (340 gm + 170 gm)	Stainless Steel 304 / 316

Technical Specification

- **Sterilization Method:** Ethylene Oxide (ETO)
- **Operation:** Fully Automatic
- **Temperature:** 37°C / 55°C
- **Safety System:** Door Interlock & Pressure Monitoring
- **Control System:** Touchscreen PLC/ LCD Controller
- **Chamber Material:** 304/316 Stainless Steel
- **Humidity Control:** Built-in Humidity Sensor
- **Exhaust System:** Automatic Pulsing Ventilation

Why Choose LuxMed®?

- Made in India
- Fast Service Support
- Custom Capacity Options
- Installation & Training
- Validation Assistance
- Spare Parts Availability

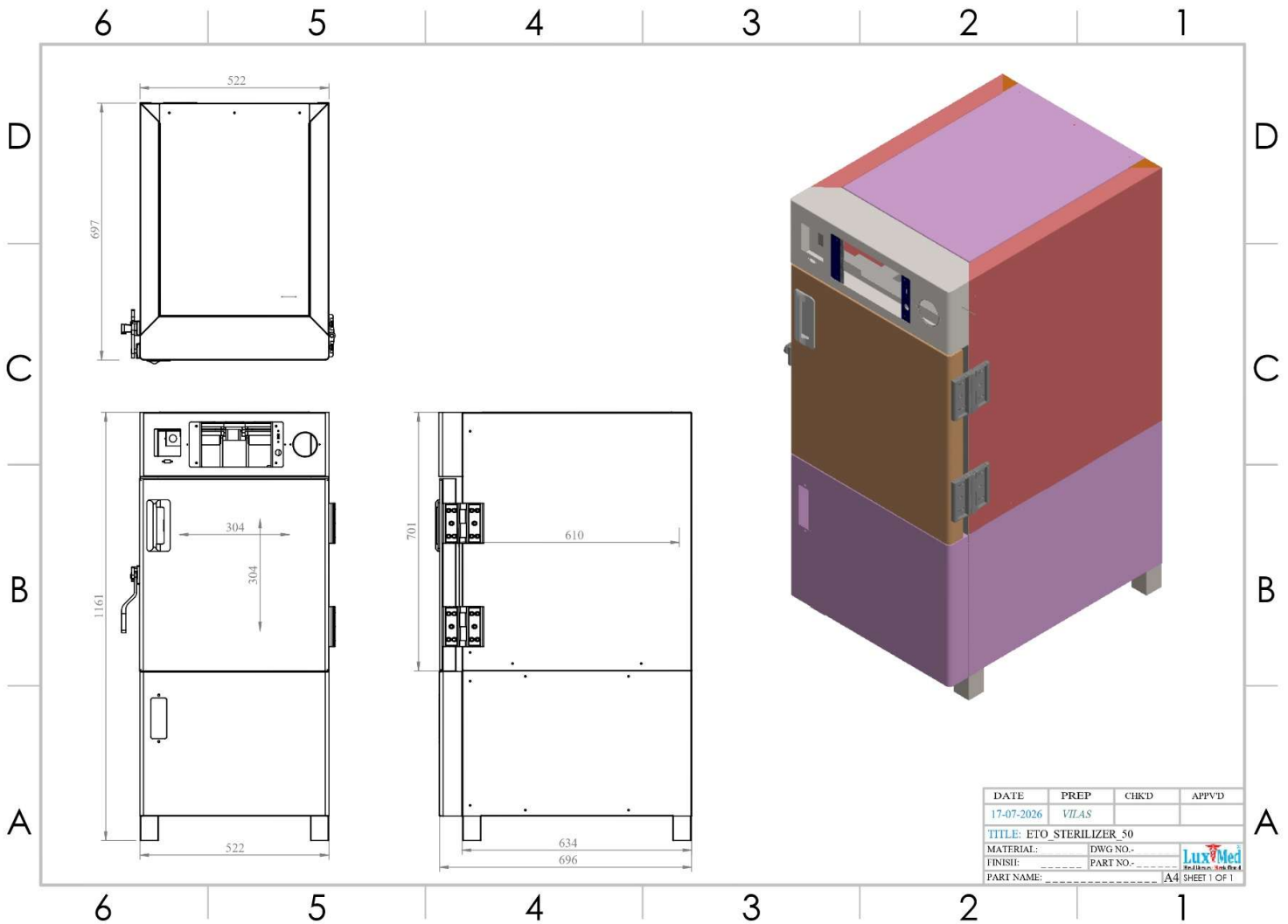


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ETO STERILIZER_50 Ltr

- Inner Chamber Dimensions: 304x610x304 mm
- Outer Dimensions: 522x696x1161 mm

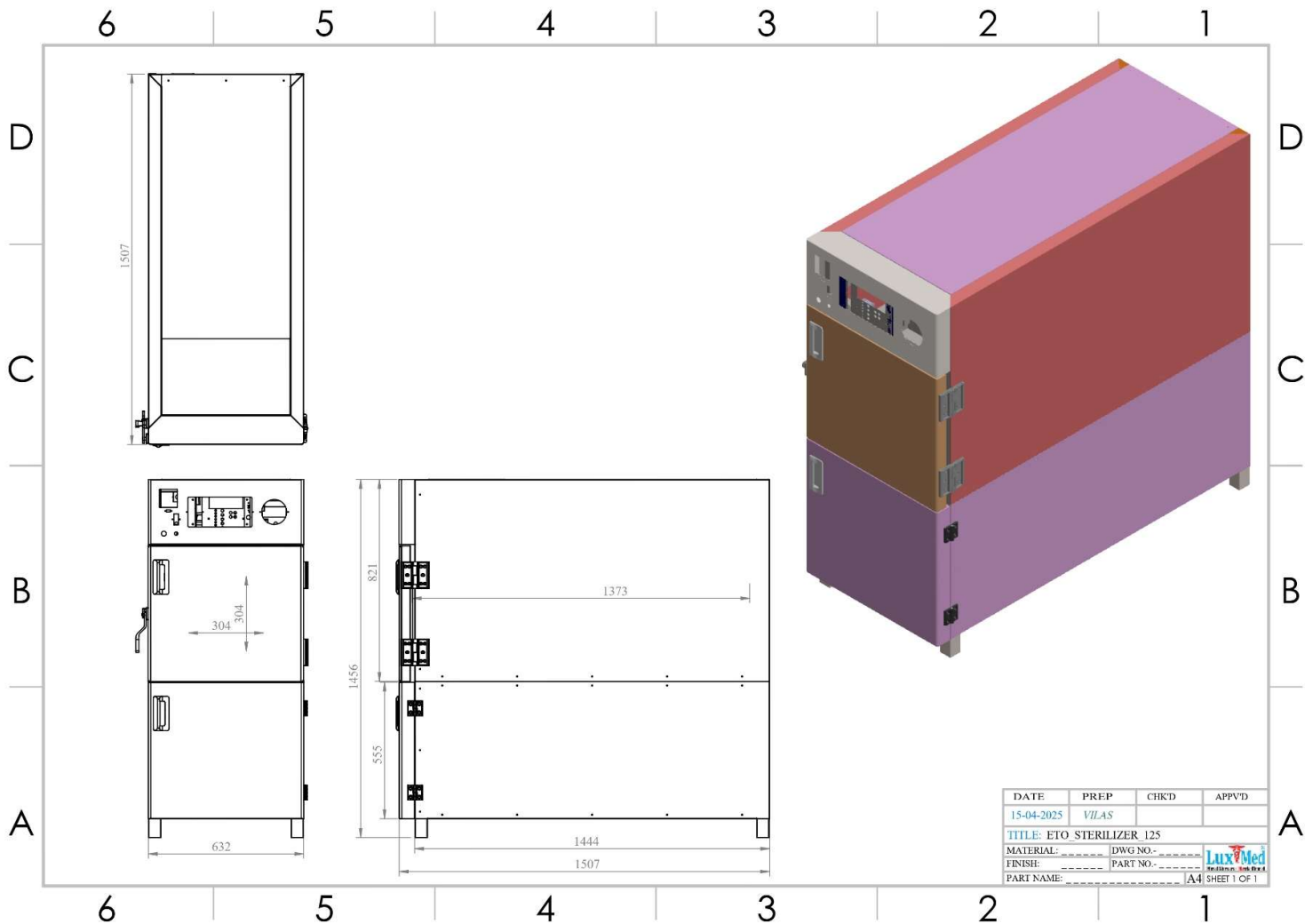


ETO Sterilizer

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ETO STERILIZER_125 Ltr

- Inner Chamber Dimensions: 304x1373x304 mm
- Outer Dimensions: 632x1507x1507 mm

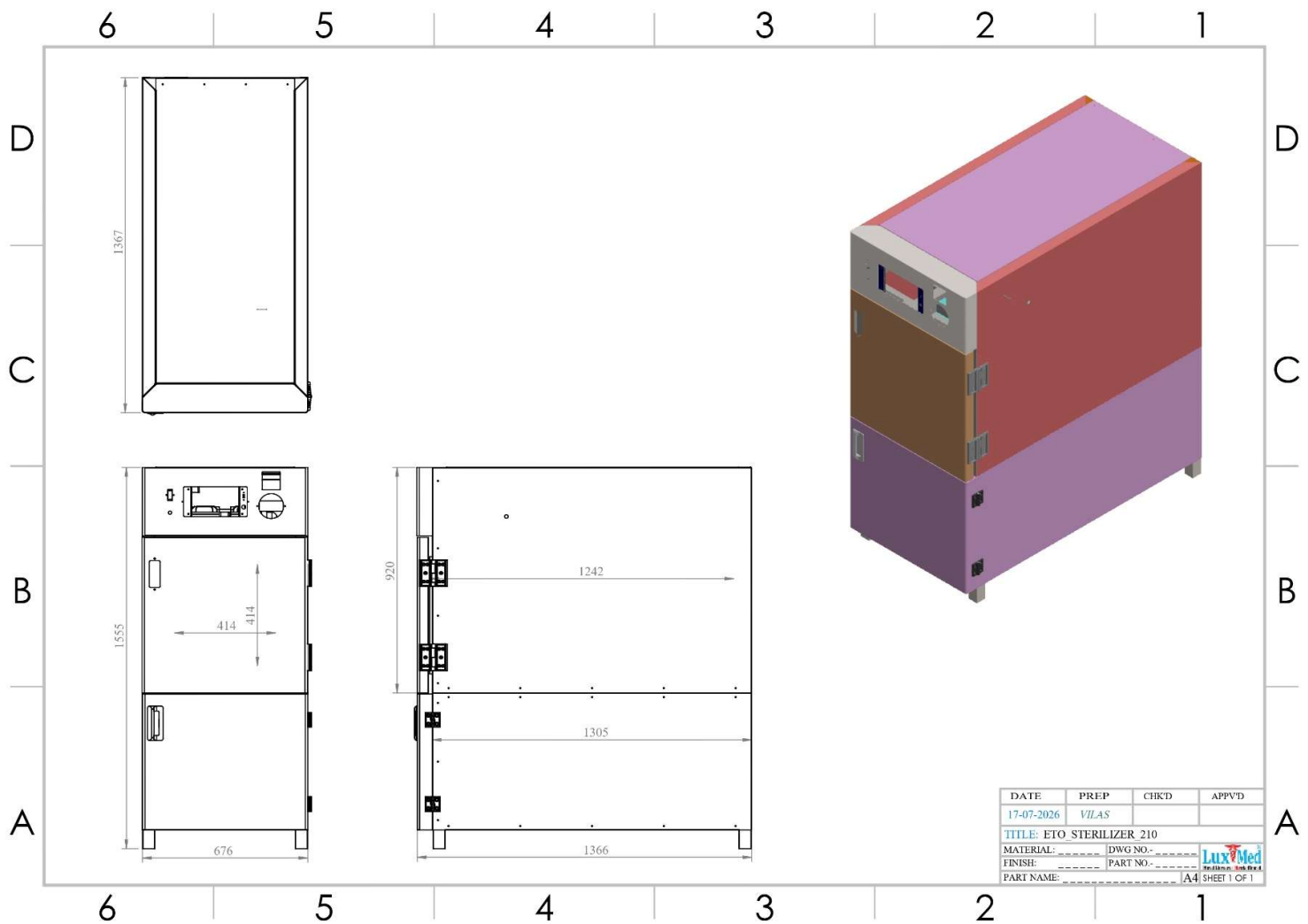


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ETO STERILIZER_210 Ltr

- Inner Chamber Dimensions: 414x1242x414 mm
- Outer Dimensions: 676x1366x1555 mm

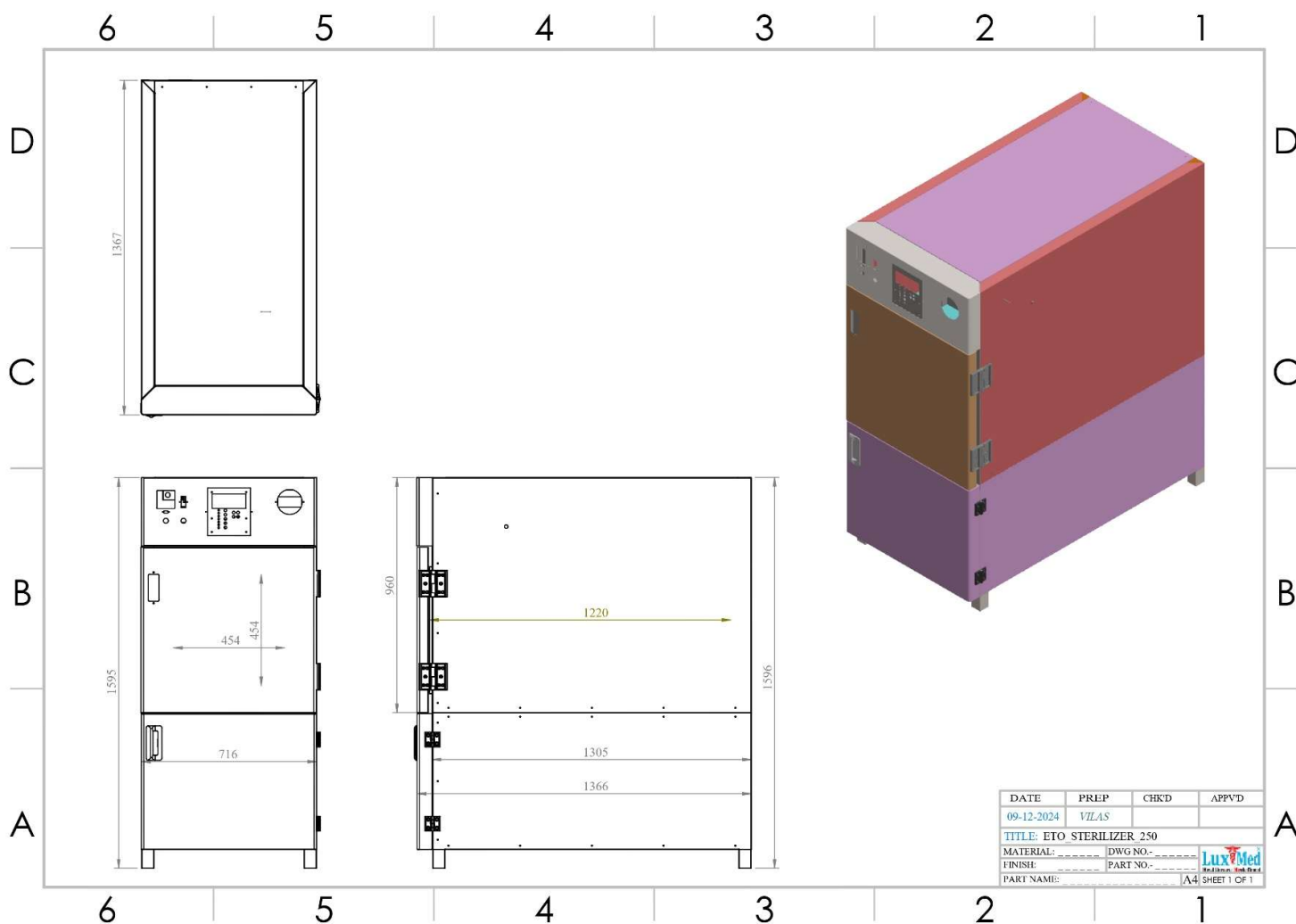


ETO Sterilizer

Sterilizer critical moisture or heat sensitive items

ETO STERILIZER_250 Ltr

- Inner Chamber Dimensions: 454x1220x454 mm
- Outer Dimensions: 716x1366x1595 mm

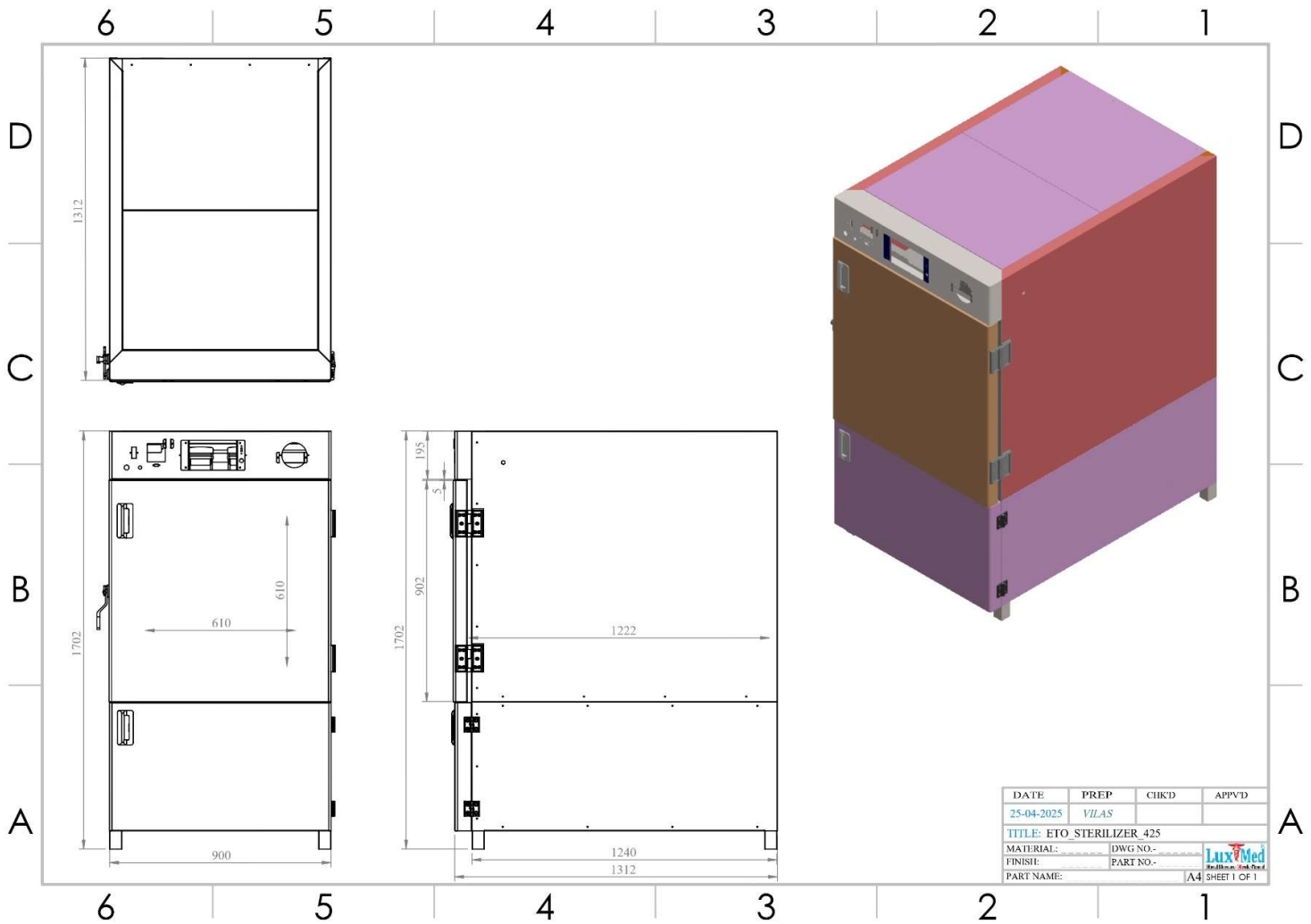


ETO Sterilizer

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ETO STERILIZER_425 Ltr

- Inner Chamber Dimensions: 610x1222x610 mm
- Outer Dimensions: 900x1312x1702 mm



ETO Sterilizer

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ETO STERILIZER_900 Ltr

- Inner Chamber Dimensions: 610x2442x610 mm
- Outer Dimensions: 900x2532x2539 mm

