



**FEATURE LISTING  
FOR THE  
CALUTECH MOBILE SOLUTIONS, INC.**

**COMBINATION POSITRON EMISSION TOMOGRAPHY (PET) AND  
COMPUTED TOMOGRAPHY (CT) MOBILE UNIT  
SPECIFICALLY DESIGNED FOR THE  
SIEMENS BIOGRAPH PET/CT SYSTEM**

**Dimensions: 48'L x 102"W x 13'6"H**

**Calutech Mobile Solutions, Inc. Mobile Units are designed and manufactured in  
accordance with the requirements of the medical equipment manufacturer.**

**Calutech Mobile Solutions, Inc.  
3550 179<sup>th</sup> Street, Unit-C, Hammond, Indiana, 46323  
Phone: 219-845-1695 Fax: 219-845-1844**



Features include:

- Twin I-beam welded steel chassis with:
  - FMVSS under ride protection bumper
  - Anti-lock brakes
  - Two (2) 20,000 capacity axles with 8'2" split
  - Hub-o-meter on curbside axle
  - Air ride suspension with manual over ride controls
  - Air ride kingpin with bolster plate
  - Eight (8) radial tires with polished aluminum rims
  - Four (4) electro-hydraulic landing legs (2-front of trailer and 2-at rear)
  
- Body with:
  - Welded steel frame.
  - Riveted attachment of pre-painted aluminum panels for exterior surface.
  - Sprayed on expanding polyurethane foam insulation.
  - Corner extrusions.
  - Electrical EMT tubing for all electrical power circuits.
  - All welded aluminum lower bay storage eliminates corrosion and leakage problems. 12V DC lighting included. Two GFI duplex outlets.
  - Dual expandable sections power operated for easy access to gantry. Compression and flap seals to prevent leakage of outside environment into unit.
  - Patient lift 7'6" wide high capacity with safety rails and pendant control. Storage rack with "safe" position sensor to assure proper storage for transport.
  - 44" wide main entry door with window and emergency exit hardware.
  - Exterior lights and rain deflecting drip rails at entry door.
  - Aluminum stair assembly – lightweight and easily adjusted.
  - Emergency exit/service door on driver's side in front of unit.
  - Interior cabinets and counter top with solid surface and as shown in preliminary layout drawing Calutech No. CR10031-A1 Rev. 00.
  - Floor conductive tile color to be chosen from Calutech samples.



Features (cont'd):

○ Body (cont'd):

- Two injection rooms with one (1) leaded sliding door.
- Staff entry and compartment doors constructed of aluminum with stainless steel hardware.
- Leaded glass window (2) in door and wall between Scan and Control Rooms.
- Level Indicators (4) mounted in suitable locations to facilitate leveling of unit.
- As required by customer lead shielding between Scan and Control Rooms.
- Three (3) each phone and data line connection are provided with lower bay compartment connections.
- A fire detection system with a remote alarm connection in lower bay.
- One hand held ABC fire extinguisher is installed in the Control Room.
- Generator housing constructed of aluminum with sound attenuation inner skin and louvers.

○ HVAC System:

- One (1) Bard 36,000 BTU HVAC and one (1) 48,000 BTU HVAC units each with 12 KW of heating capacity and hot gas bypass valve.
- Separate source ducts and return air plenum system with damper style deflectors to control distribution of air conditioning and heat.
- Thermostat sensor installed in return air duct to prevent hot or cold spots.
- Steam humidifier with a 30 gallon water reservoir.

○ Electrical System:

- Primary power 480V 3PH four wire (3 plus ground).
- 60 KW diesel electric generator with John Deere engine, Marathon alternator and Murphy controller. Option for 100KW full support generator.
- Single point grounding system.
- Shore/generator automatic transfer switch.
- 50' power cable with RussellStoll DS2504MP connector compatible with standard MRI power connectors.



Features (cont'd):

- Electrical System (cont'd):
  - 12V DC battery and charger/inverter for emergency lights and optional security system.
  - Circuit breaker panel installed in convenient location.
  - Electrical system installed in accordance to NEC 2000.
  - Trailer lighting includes high intensity LED stop lights.
  - AM/FM stereo CD player with speakers in Control Room and Patient Areas.
  
- Graphics:
  - An allowance of \$1,500 for graphics is included in selling price.