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# TechniCART™ UTV 600

## High Performance Motorized Detector Platform

Engineered to easily deploy in stationary and mobile operations, the **TechniCART™ UTV 600** is uniquely suited to meet the needs of professionals in fields such as Portable Non-Destructive Assay (PNDA), emergency response, customs and border control, public safety & homeland security.

High resolution gamma identification is combined with He-3 neutron counting and dose-rate measurement to alert operators to the presence of radioactive materials including uranium and plutonium. Radiological mapping can be performed with the on-board GPS tracking capability.

The system allows the operator to position the detector system beside a vehicle or container of interest and displays results to the operator on the onboard computer within seconds. This makes it quick and easy for operators to identify and quantify nuclear / radioactive materials in vehicles, containers and other suspect cargo.



*“A fully integrated utility vehicle for nuclear materials detection and measurement”*

### Features

- Quick & easy set-up
- Mobile & deployable in diverse terrains
- Fully integrated rugged laptop computer and analysis software
- Engineered high performance support structure ensures personnel safety in the field
- Provides real-time high resolution gamma spectroscopy, neutron count rate and dose rate information
- Identifies the presence of specific isotopes including those associated with Uranium and Plutonium
- Uranium enrichment and plutonium Isotopic measurement
- Adjustable height up to 11 feet from the ground with powered drive (cab controlled)
- High performance batteries for extended field operation capability

### Applications

- Portable Non-Destructive Assay
- Emergency Response
- Border Crossing Vehicle Checkpoints
- Mobile Border Patrols
- Bomb Disposal
- Port Operations
- Homeland Security

### Benefits

- Motorized platform enables quick identification of illicit nuclear materials in any vehicle/container in diverse locations
- High sensitivity analysis of materials without the need for an expert in the field
- Distinguishes between medical, industrial, SNM, and natural isotopes in shielded and unshielded conditions

## TechniCART™ UTV600 Gallery



## Specifications

<b>Assembly:</b>	No Assembly Required
<b>Power:</b>	Standard 110V with high performance rechargeable batteries (allows up to 8 hours detection system operation); Gasoline Powered UTV
<b>Operating Crew:</b>	1-2 Operators
<b>Size:</b>	W: 56", L 122", H 132" (Maximum 148" Fully Extended)
<b>Detector Pan/Tilt:</b>	Pan $\pm 180^\circ$ (30° increments); Tilt +0°(Horizontal) /- 90°(Vertical)
<b>Detector Height Adjustment:</b>	45" to 132" from ground level
<b>Capacity:</b>	40 lbs (18.1 kg) gross (on slide mechanism)
<b>Weight:</b>	1700 lbs (771.0 kg)
<b>Detection Equipment:</b>	HPGe (mechanically cooled), He-3 Neutron, Geiger Muller Tube
<b>Options:</b>	Crew cab configuration; Folding mast; Radiological mapping and source location identification; GPS tracking; Real-time video display; Laser range finder

## Contact

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