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# TechniCart

## High Performance Mobile Detector Platform

The TechniCart is engineered to ingeniously adapt to support various types of detection & measurement equipment. The revolutionary design results in a mobile, multi-use platform that is lightweight, rugged, affordable, and ergonomically efficient.

Designed for professionals where performance is crucial, the TechniCart reduces time and effort in daily operations with its easy height adjusting slide and variable tilt adjustment.

TechniCart is specifically designed to allow rapid and easy transportation of an entire portable assay system including HPGE detector, shield and collimator together with laptop and acquisition electronics. The flat-free large caster wheels permit movement through warehouse, dirt and gravel type terrain.



### Features

- Quick and easy set-up
- Ergonomic design
- Transportable over multiple surfaces
- Can be configured in multiple deployment configurations
- Safely holds up to 500 lbs of equipment
- Trays accommodate laptop, electronics and other personal equipment
- Engineered high performance support structure ensures personnel safety in the field
- Easy to clean / decontaminate
- Optional collimator / shielding
- Reproducible and fixed detector location
- Adjustable tilt and height
- Durable stainless steel and anodized components

### Applications

- Portable gamma spectroscopy
- Neutron slab counters
- Criticality safety
- TRU/LLW pre-sorting
- Safeguards & accountancy
- Waste assay for transport, disposal
- Shop / manufacturing environments

### Benefits

- Transportable platform with rapid set up enables accurate assay of waste in the field.
- Accommodates many different types of equipment, eliminating the need to use multiple carts
- No special tools required for assembly of reconfiguration
- High performance caster wheels allow the system to be deployed on grave land dirt terrain

## Specifications

Assembly	Bolt together (no special tools required)
Configuration:	Spring pins, hand knobs (no special tools required)
Finish:	Powder coated frame
Size:	Stainless and anodized components. Easily cleaned or decontaminated
	Base Unit Length: 41 inches (104.14 cm)
	Rigged length max.: 49 inches (124.46 cm)
	Height: 48 inches (121.92 cm)
Wheels/casters:	Width: 24 inches to 36 inches (60.96 cm to 91.44)
	Height 10 inches (25.40 cm)
	Width 3.5 inches (8.89 cm)
	Easy grease fittings, foam filled flat-free
Adjustment height:	7 inches to 48 inches (17.78 cm to 121.92 cm)
Tilt adjustment:	360 degree on pivot bearing
Ergonomic push handle:	Spring pin adjustment
Equipment trays:	2 each, dual position, electrostatic discharge mats, 1 slide in side shelf
Capacity :	500 lbs ( 226.7 kg)
Detection equipment supported:	HPGe (liquid nitrogen or mechanically cooled) NaI (TI) Scintillator <sup>3</sup> He Neutron Proportional Counter Slab Monitors
Collimator / shielding :	Optional lead or steel collimator. Optional polyethylene shielding for neutron detectors.
Options:	Ortec ISOTOPIEC software for in-situ gamma spectroscopy data analysis, Ortec digiDART portable gamma spectroscopy MCA, AMSR-150 neutron electronics & analysis software, High performance laptop computer with long life battery pack

## Contact

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