



systems | services | solutions

# 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.



*TechniCART™ with Expansion Options*

### Features

- Quick and easy set-up
- Ergonomic design
- Transportable over multiple surfaces
- Can be configured in multiple deployment configurations
- Gross capacity of 500 lbs
- 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
- Adjustable width to improve stability

### Applications

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

### 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 or reconfiguration
- High performance caster wheels allow the system to be deployed on gravel and dirt terrain

# TechniCART™ Gallery



**Base Unit**



**Field Deployment**



**Lower Dewar Option**



**Extension Arm**

## Specifications

<b>Assembly</b>	Bolt together (no special tools required). Shipped fully assembled.
<b>Configuration:</b>	Spring pins, hand knobs (no special tools required)
<b>Finish:</b>	Powder coated frame. Stainless and anodized components. Easily cleaned or decontaminated
<b>Size:</b>	Base Unit Length: 44 inches (112 cm), Rigged length max: 57 inches (145 cm), Height: 57 inches (145 cm), Width: 24 to 36 inches (61 to 91 cm)
<b>Wheels/casters:</b>	Height 10 inches (25.40 cm), Width 3.5 inches (8.89 cm) Easy grease fittings, foam filled flat-free. 2 fixed, 2 swivel with brakes
<b>Adjustment height:</b>	Base model: 7 inches to 44 inches (18 cm to 112 cm) Extension arm: Up to 83 inches (211 cm).
<b>Tilt adjustment:</b>	+/- 180 degree on pivot bearing
<b>Ergonomic push handle:</b>	Spring pin adjustment
<b>Equipment trays:</b>	2 each, dual position stainless steel trays, 1 slide in side shelf
<b>Capacity :</b>	500 lbs (226.7 kg) gross. Max 125 lbs (56.7 kg) on extension arm
<b>Detection equipment supported:</b>	HPGe (liquid nitrogen or mechanically cooled) NaI (TI) Scintillator, <sup>3</sup> He Neutron Proportional Counter Slab Monitors
<b>Collimator / shielding :</b>	Optional lead or steel collimator. Optional polyethylene shielding for neutron detectors.
<b>Options:</b>	Adapters available to accept all major commercial HPGE detectors and custom / off-the-shelf detection and measurement equipment.

## Contact

### USA:

Pajarito Scientific Corporation  
2532 Camino Entrada  
Santa Fe, NM 87507, USA

Tel: + 1 505 424 6660  
Fax: + 1 505 424 1109  
www.PajaritoScientific.com  
info@PajaritoScientific.com

### UK / Europe:

Pajarito Scientific Corporation  
Crabtree Hall Business Centre, Little Holtby  
Northallerton, North Yorkshire, DL7 9LN  
United Kingdom

Tel +44 (0) 1748 812 262  
Mobile: +44 (0) 7522 372 510  
uksales@PajaritoScientific.com

### Asia:

PBC Asia  
19C, Li Hua Building  
Zhong Hai Ya Yuan, Bei Wa Lu  
Beijing 100037  
China

Tel: + 86 (0) 10 8854 1985  
Fax: + 86 (0) 10 8854 1985  
Mobile: + 86 13910296557  
www.pbcasia.com.cn  
mail@pbcasia.com.cn



systems | services | solutions