

## OVERVIEW

*VulcanGMS is your next generation radiation shielding solution provider. Vulcan offers cutting edge radiation shielding technologies involving a wide variety of engineered materials, including molded polymers, composites and aggregates, that have shielding capabilities from 20Kv to 18Mev. Our extensive experience with lead and non-lead materials allows for custom shielding solutions and manufacturability for lowest overall cost.*



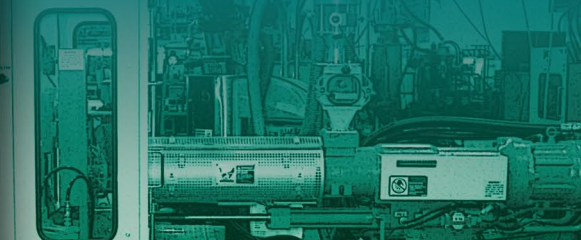
1400 W. Pierce St. • Milwaukee, WI. 53204  
Phone: 414.645.2040  
[www.VulcanGMS.com](http://www.VulcanGMS.com)

ADVANCED MATERIALS DEVELOPMENT FROM VULCAN GMS



**Vulcan**  
GLOBAL MANUFACTURING SOLUTIONS

Leading Edge  
Manufacturing  
Technologies





SECURITY AND NDT APPLICATIONS

## INJECTION-MOLDED MATERIALS

- Standard plastics and high density non-lead materials
- Density range from 1g/cc to 11g/cc in flexible and rigid materials.
- High or low volume production runs based on standard mold inserts.



**Vulcan**  
GLOBAL MANUFACTURING SOLUTIONS

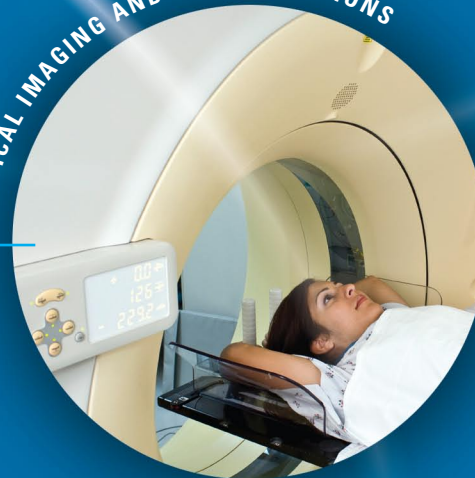
## ENGINEERED MATERIALS (PATENTED MATERIALS)

- Polymer, plastic, and concrete/aggregate materials
- Custom - engineered solutions for your specific application
- Non-Lead and lead-based materials
- Shielding ratio 1:1 with lead at 250 KeV and beyond
- Custom-blended materials for energy ranges specific to radiation shielding requirements
- Shielding solutions for gamma-photon, neutron, and proton radiation

## COMPOSITE MATERIALS

- High density reinforced materials using fiberglass and laminates
- Structural applications for diagnostic imaging equipment

MEDICAL IMAGING AND CT APPLICATIONS



## GENERAL APPLICATIONS

- Medical x-ray and CT
- Nuclear Medicine and PET
- Security and NDT
- Nuclear waste storage and transport
- Shielding bunkers

POLYMERS • CONCRETE/AGGREGATE • COMPOSITES

