

# Material Handling Equipment



**UNIFUSE®**  
redefining molded plastic



# Material Handling Equipment

## Streamline Bulk Handling



### Could a custom designed container save you time and money?

**Challenge:** Our client needed a 1-1/2 cubic yard container on casters that fit within specific dimensions, and which could be tilted and dumped by a forklift. Of course, it had to be economical, even though the quantity was small.

**Solution:** Unifuse engineers designed and made a mold for a uniquely sized container, and attached a powder coated steel frame with collars and heavy-duty casters. We were able to deliver the solution quickly and at low cost.

Our highly trained Unifuse team worked with our client to provide this unique solution to a challenging situation.



### Unifuse (VIM) Molding Compared to Other Thermoplastic Processes

|                   | VIM        | Injection | Extrusion | Thermo-forming | Blow Molding | Rotational Molding |
|-------------------|------------|-----------|-----------|----------------|--------------|--------------------|
| Mold Cost         | <b>LOW</b> | High      | Medium    | Medium         | High         | Medium             |
| Melt Plastic      | <b>NO</b>  | Yes       | Yes       | No             | Yes          | No                 |
| Pressure          | <b>LOW</b> | High      | High      | Vacuum         | High         | Low                |
| Stress Free       | <b>YES</b> | No        | No        | No             | No           | Yes                |
| Inserts/Additives | <b>YES</b> | Some      | No        | No             | No           | Yes                |

### Unique, Patented VIM Plastic Molding Process Makes Unifuse Plastics Nearly Indestructible.

Unifuse has 30 years of experience delivering practical solutions to the material handling, aerospace, automotive, OEM, food service and healthcare industries. Our unique Vibrational Molding (VIM) process delivers a custom polyethylene product: supremely durable and endlessly reusable with lower molding costs than other processes.

Our engineering and manufacturing process makes even "impossible" designs possible, and enables us to be highly responsive, providing prototypes, modification and production with short lead times.

- Low-cost tooling and quick turnaround
- Unrival ability to modify on-the-fly
- Tier-one provider
- Made in the USA

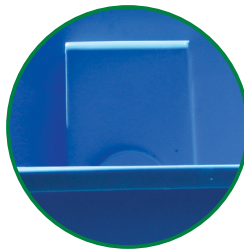
"Besides no inherent stress, benefits of the [Unifuse] molding process are that large parts are easily made and tooling costs are low."

— David J. Bak, East Coast Editor  
Design News

Visit our website for the full array of products and detailed technical data:  
[www.unifuse.com](http://www.unifuse.com)

UNIFUSE: A Bird Dog Distributors Company  
204 Little Six Lane Clintwood, VA 24228  
P: 276.926.6464  
[info@unifuse.com](mailto:info@unifuse.com)  
[www.unifuse.com](http://www.unifuse.com)





**“Besides no inherent stress, benefits of the [Unifuse] molding process are that large parts are easily made and tooling costs are low.”**

*— David J. Bak, East Coast Editor  
Design News*



**UNIFUSE: A Bird Dog Distributors Company**  
204 Little Six Lane Clintwood, VA 24228

P: 276.926.6464

[info@unifuse.com](mailto:info@unifuse.com)

[www.unifuse.com](http://www.unifuse.com)

Visit our website for the full array of products  
and detailed technical data: [www.unifuse.com](http://www.unifuse.com)