

Custom Equipment



UNIFUSE[®]
redefining molded plastic



UNIFUSE: A Bird Dog Distributors Company
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Custom Equipment

Eliminate Damaged Components



Does your company suffer revenue loss due to damage of critical high-value parts?

Working with a leading national helicopter manufacturer to eliminate damage to critical components, Unifuse has developed a line of standard containers with interchangeable inserts. Each insert is designed to cradle, separate and protect specific parts through the manufacturing and assembly stages of production.

This success has reduced our client's loss due to FOD (foreign object debris/damage) from over \$200,000. per month to nearly \$0.

Unifuse engineers designed a reusable custom container to transport and handle milled soft metal cores.



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

Unifuse has 30 years of experience delivering practical solutions to the aerospace, automotive, OEM, material handling, 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

"If you have a choice of methods, vibrational molding will probably beat the other processes' economics and lead times... VIM has established credibility with customers such as Pratt & Whitney, General Electric and IBM."

— Matthew H. Naitove
Plastics Technology

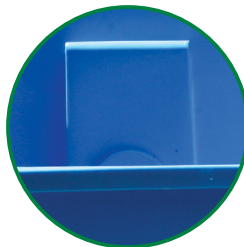
Visit our website for the full array of products and detailed technical data:
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Unifuse (VIM) Molding Compared to Other Thermoplastic Processes

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





“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*



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