

**Have You Heard
about the**

Closed Mold Alliance?



What is the Closed Mold Alliance?

The Closed Mold Alliance is comprised of three industry experts, led by Composites One, the leading supplier of composite materials in North America, along with Magnum Venus Plastech (MVP) and RTM North Technologies. The Closed Mold Alliance operates with one mission in mind: to provide leadership, knowledge, training, and resources for the successful evolution of closed mold processes. This team of experts is dedicated to providing composites manufacturers with a complete closed mold solution. From introduction and education to tooling resources to implementation consultation, the Closed Mold Alliance is there to help!

Why Switch to Closed Mold?

Many manufacturers have been making the switch from open to closed molding. The conversion to closed molding is the practical solution for ensuring competitiveness and long-term growth.

Changing from open to closed molding can offer many benefits, including:

- Reduced waste and emissions, which leads to a cleaner, healthier environment as well as lower material and disposal costs
- A more consistent, repeatable process, which makes composites more competitive than alternative materials
- Reduced cycle times, which leads to higher productivity and lower labor costs

Make the switch from open to closed molding today! The Closed Mold Alliance will be with you every step of the way!



What Can the Closed Mold Alliance Do For You?

With experts in process, systems, and tooling, the Closed Mold Alliance will provide you with a Road Map to Closed Mold.

Through the Alliance's Closed Mold University, we provide educational opportunities, on-site training, and all of the assistance you need to get started! We offer lectures, hands-on learning, live demonstrations, forums, and advanced technique education.

Closed Mold University works with industry experts who offer their expertise on closed mold processes and the many benefits they provide the manufacturer. We will connect you with tooling experts who will help you decide if building your own tooling or outsourcing is best for your manufacturing needs.

You will learn the basics and details of three closed mold processes: vacuum infusion (VIP), light RTM, and reusable bag molding. You will also gain an understanding of the economics of closed mold conversion, as well as innovations in technologies as they develop.

What Are the Benefits of Closed Mold Processes?

VIP Advantages

- Low Volume Production
- Low Start-Up Costs
- Unlimited Part Size and Variability
- Negative Draft Tooling
- Flexible Laminate Schedules

Light RTM Advantages

- Repeatability
- Moderate Start-Up Costs
- High Volume Capability
- Tighter Tolerances
- Capable of High Fill Loads
- Capable of Class "A" Gel Coat Finish on Both Sides

Reusable Bag Advantages

- Low Tooling Costs; Existing Molds Can Easily Be Converted
- Low Consumables = Cost Savings
- Reusable, Repairable Silicone Bag
- Simple Touch Free Technology

All three processes greatly reduce emissions!



Visit www.closedmoldalliance.com or call 800-621-8003 for more information.