

ACMA's Dynamics of Composites Manufacturing: Tutorial Through Live Demonstrations

June 2-3, 2009
Seattle, WA

For more information and to register, go to <http://www.acmanet.org/meetings/seattle.cfm>

Monday, June 1 – Optional Preconference Tours

1:00 pm – 5:00 pm

Tours of Delta Marine or Janicki Industries (tentative).

Attendees must register for these tours in advance. Additional registration fee required.

Tuesday, June 2

8:00 am

Registration Open

9:00 am – 9:45 am

Lean Manufacturing

Presented by Pete Yakachuk, CCT, Lean Black Belt- Lean Coordinator, Formashape, a Division of Whitewater Composites.

Learn how Lean Manufacturing, combined with Closed Mold Processes, can help your organization focus on enhancing quality, cost, delivery, safety, and employee morale. This session explores ways to eliminate waste from Defects, Motion, Transport, Overstock, In-Appropriate Processes, Waiting, and Underutilization of Human Resources.

10:00 am – 10:45 am

Advanced Controls for Closed Molding – A Practical Demonstration of the Most Advanced Technology Today

Andrew Hedger, RTM Specialist, Magnum Venus Plastech

Gain unique cost-saving know-how on the latest controls for closed mold applications, such as L-RTM, CCBM and VIP. Those involved and interested in RTM technology will see how system controls can reduce resin usage and waste, which converts directly to the bottom line. Highlights learned from the demonstration include affordable automation, programmable menu driven injection shots, benefits of automation through programmable catalyst ratio change and precision automated injection control. MVP will also showcase many of the ancillaries' items that are available today which complement the automated features demonstrated.

11:00 am – 11:45 am

How to Build a Closed-Cavity Bag Mold (CCBM)

Leif Beiley, West Region Technical Support Manager, Composites One

Closed-Cavity Bag Molding (CCBM) is a patented vacuum infusion system utilizing a durable, reusable silicone vacuum bag. This demonstration covers the various stages of silicone bag building and highlights advanced techniques of CCBM. You'll leave with an understanding of why vacuum bagging has been the choice for high-tech industries such as aerospace manufacturing and specialty products.

12:00 pm- 1:45 pm

Exhibits & Lunch

2:00 pm – 2:45 pm

Advanced Kit Cutting Techniques

Tom Hunter, Kit Concepts Technical Sales Representative, Composites One

Discover how glass kiting can reduce costs and save time, and learn the advantages of Glass Kits in reducing waste. You'll gain an understanding of the potential efficiencies through nesting software.

3:00 pm – 3:45 pm

Advanced Techniques in Vacuum Infusion

Leif Beiley, West Region Technical Support Manager, Composites One

See first hand why the vacuum infusion process saves time and money while providing a more environmentally-friendly work place. Learn about vacuum infusion at the next level, specifically what to consider when converting to infusion; how to design the flow; and eliminate “close-outs” using the Three Variables in Darcy’s Law.

4:00 pm – 4:45 pm

Advanced Techniques of Light RTM

Doug Smith, President RTM North & Leif Beiley, West Region Technical Support Manager, Composites One

Light RTM is a vacuum-assisted RTM (Resin Transfer Molding) low-pressure resin injection system. Learn how to troubleshoot problems that arise in the process and learn about new technologies and resins that benefit this process. Also learn why Light RTM is transforming the industry with this cost-effective, time saving process, which offers a cleaner, friendlier work environment. Watch a demonstration of the process and learn how it can be adapted to many types of parts. You will also learn how pre-cut kits are a natural fit for a process like this and why the right equipment is essential to the success of your Light RTM project.

5:00 pm- 6:30 pm

Exhibits & Networking Reception

Wednesday, June 3

7:00 am – 9:00 am

Certified Composites Technician (CCT) Examinations

With over 3,500 professional certifications awarded, the Certified Composites Technician Program is the industry’s “gold standard” for composites training. Companies that employ Certified Composites Technicians in their operations have seen a reduction in emissions and shop floor waste as well as an increase in productivity and product quality. Separate Registration Required.

9:00 am – 9:45 am

Economics of Closed Molding

Leif Beiley, West Region Technical Support Manager, Composites One

Do the economics of closed mold processes have you thinking? Learn the investment facts about processes like LRTM, VIP and CCBM through real-time case studies and examples. Find out why closed mold is a sound economic decision for many manufacturers today and learn why it may be a sound decision for the future of your business.

10:00 am – 11:30 am

Just the Facts: What it takes to have a Closed Molding Shop (Panel Discussion)

An interactive Q&A with the presenters designed to discuss the ideal closed-molding shop, as well as answer questions from you. Bring your questions and concerns!

11:30 am- 1:30 pm

Exhibits & Lunch

1:30 pm

Conference Concludes

***Schedule, topics and speakers subject to change*