

Happy Holidays!

This past year has been an eventful one for Athena. As we are getting ready for an even busier New Year, we'd like to list a few of 2014's key events:

- Machine deliveries have ramped up as we transition from R&D to a manufacturing company.
- The XFORM 300 preform system has been released in partnership with SIPA.
- The first stack mold carrier-equipped machines have been delivered.
- Construction of our Systems Center began in May and is currently on schedule to:
 - Provide much-needed assembly and testing space for machines and systems.
 - Be our base for just-in-time machine customization.
 - Accommodate the production of larger machines.

In the meantime, machine and option development continues as we aim to provide customization for an increasing number of applications

At the holiday season, our thoughts turn gratefully to those who have made our progress possible:

- Our customers who trust Athena to be part of their strategic growth
- Our partners and suppliers who provide ongoing development support and work with us towards the goal of becoming a leader in customized injection molding systems
- Our team for their hard work

We are looking forward to further working together in 2015. It is in this spirit that we say:

Best wishes for the Holidays and a prosperous New Year!

Robert D. Schad

Meet us at the NPE!

Details on page 4.



**NPE2015: THE INTERNATIONAL
PLASTICS SHOWCASE**

March 23-27, 2015 | Orlando, Florida USA

www.npe.org

Systems Center

The Systems Center is on schedule to be weather-tight by the end of the year. Outside windows have been installed, with work underway on the skylights and access doors. Work on electrical and mechanical building services will continue inside during the winter months.



Systems Center in early November 2014; existing building in foreground

Updated Website

Our website is undergoing a content update to include the latest on company, machines, customization options, and support.

Visit athenaautomation.com in January for:

- New videos and animations
- The Athena Update as a PDF
- Career opportunities
- Sales and support contacts



Updated home page of Athena website

High-Performance Injection

Athena has built its first high-speed 300-ton machine equipped with five servo-driven pumps.

Key Features:

- Injection rate comparable to standard accumulator-assisted systems
- Capable of maintaining a high injection rate over the full screw stroke
- Suitable for thinner wall, high flow ratio applications
- Optional high-wear screw and barrel
- Optional high-torque drive

Specifications:

- Screw: 70 mm diameter; 25:1 L/D; injection pressure 2000 bar
- Injection rate: 1623 cm³/s (99 cu. in./s)
- Injection velocity: 422 mm/s (16.6 in./s)
- Rotational screw speed: 321 rpm
- Peripheral screw velocity: 1175 mm/s (46.3 in./s)



Easily accessible pump cabinet components. Photo taken during machine assembly.

Support

Athena machines are supported by a solid service and spare parts policy, comprehensive documentation, and remote service and monitoring. We are committed to providing timely and effective local service for all our customers.

Our support team consists of service technicians, as well as electrical and controls specialists.

The team is involved in:

- Remote and in-person support.
- Machine installations.
- Operator training.
- Integration and processing support.
- Spare parts.



Athena support team

NPE 2015

Athena will be present at the NPE 2015 with four systems in partner booths:

- 1) XFORM 300 preform system with 72-cavity mold
- 2) A300 stack mold carrier system with high-performance injection
- 3) A150 flip-top closure molding system with integrated servo-driven function for unscrewing and closing
- 4) Rotary table

More information to follow on our website and in our March 2015 newsletter.

Contact

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