

## NPE Exhibits

Athena is displaying four exhibits at the NPE 2015:

- |  |              |     |
|--|--------------|-----|
| • A150 closure molding system with integrated dual servo core mold | Booth S27008 | p.2 |
| • Rotary table integrated into moving platen                       | Booth S14113 | p.2 |
| • A300 stack mold carrier system with high-performance injection   | Booth W151   | p.3 |
| • XFORM 300 preform system with 72 cavity mold                     | Booth W151   | p.4 |

## Systems Center – Update

The Systems Center is now weather-sealed, with exterior windows, doors, and skylights installed. Throughout the spring, work will continue on the inside – on schedule for a late 2015 opening, allowing us to:

- Ship more customized machines.
- Assemble higher-tonnage machines.
- Showcase LIGHTSOUT™ plant engineering services.

### Key features:

- Geothermal cooling and heating
- Daylight-harvesting LED lighting
- Area for mold trials and extended runs
- Automated high density part storage
- Quality control lab with state-of-the-art inspection equipment
- High efficiency resin conveying and drying
- Dedicated chillers for each machine testing station
- Health-conscious cafeteria



Systems Center – Southeast view

# A150 closure system with integrated dual servo mold

## Booth S27008

- 150 metric ton clamp
- 36 mm, 25:1 reciprocating screw injection
- 4-cavity flip-top closure mold by Cap-Thin Molds (Mississauga, ON)
- Two servo motors controlled by machine's HMI for in-mold unscrewing and closing
- Integrated hot runner controller



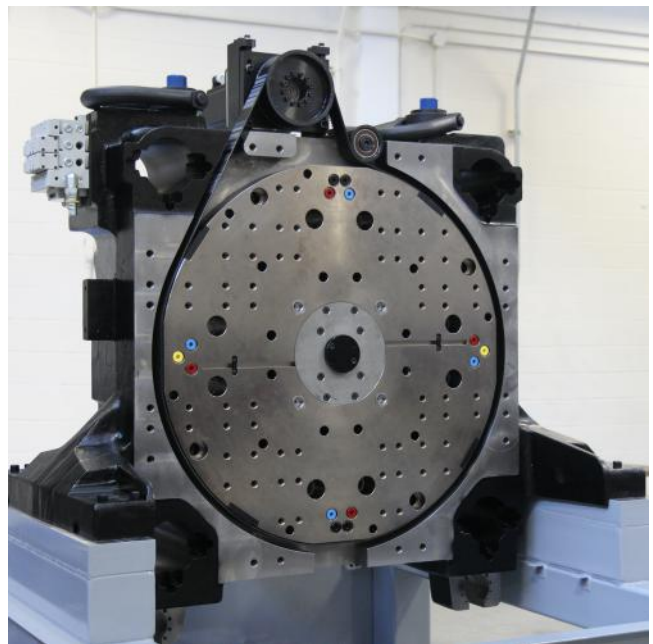
*A150 closure system (above); molded parts (left)*

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# Rotary Table

## Booth S14113

- Integrated into 300 metric ton moving platen
- For conventional and rotary molds
- No loss of shutheight
- Mold services (water, air, hydraulics, power) via rotary union
- Choice of mold mounting and full ejector patterns
- Displayed at booth of Accede Mold & Tool (Rochester, NY)



*Rotary table*

# A300 stack mold system with high-performance injection

## Booth W151

- 300 metric ton clamp
- 70 mm, 25:1 reciprocating screw high-performance injection
- Integrated stack mold carrier with patented motion linkages
- 16-cavity flip-top vial stack mold by F&S Tool, Inc. (Erie, PA)
- Integrated hot runner controller

### Stack mold carrier benefits:

- Wide, stable bearing stance
- Full access from both sides
- Integrated mold services

### Injection benefits:

- 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



*A300 stack mold carrier machine (above); 30-dram flip-top vial (right)*

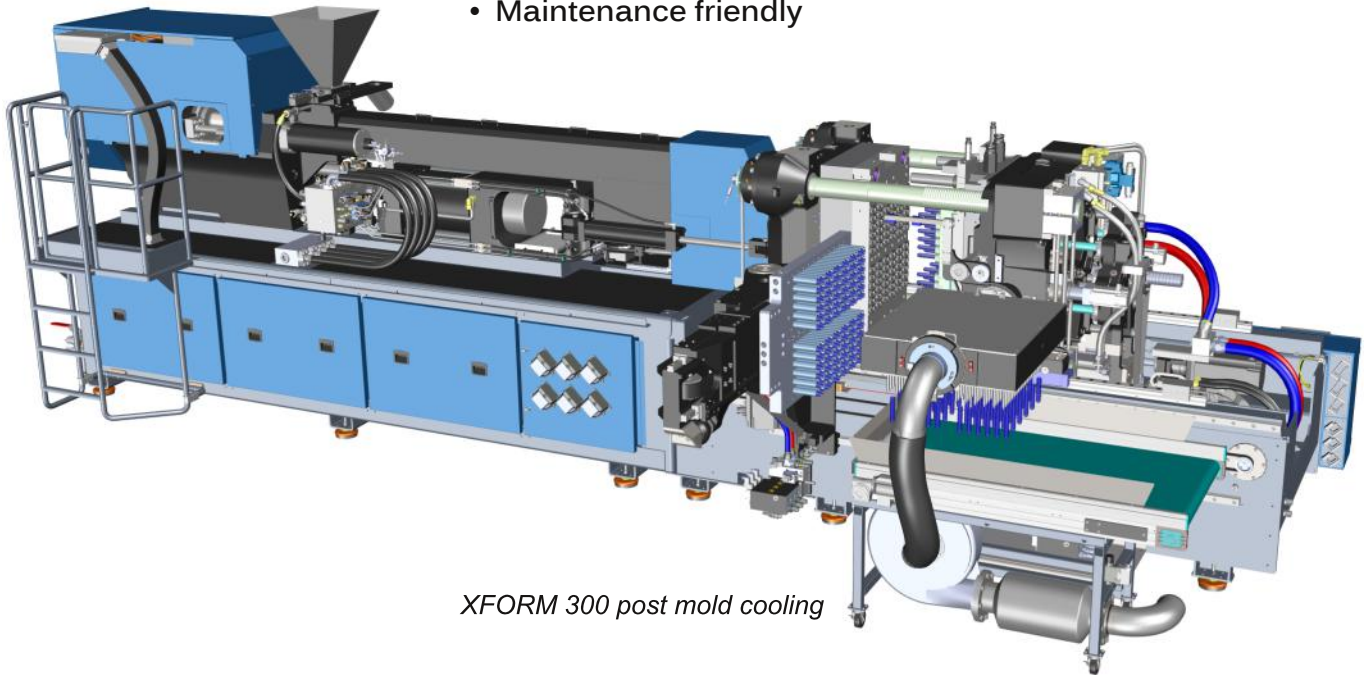
# XFORM 300 preform system with 72 cavity mold

## Booth W151

- 300 metric ton clamp for molds with up to 96 cavities
- Two-stage injection with 120 mm plasticizing screw and 120 mm plunger
- Machine-integrated robot
- Innovative post-mold cooling system

### Benefits:

- Faster cycles for a wide range of preform shapes and sizes
- Low energy consumption
- Accommodates legacy molds
- Quick and easy mold change
- Maintenance friendly



Athena for SIPA PET preform systems are sold and serviced worldwide under the XFORM brand by SIPA.

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## Contact

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