



# NFPA/FPIC/PMMI Quarterly Conference

Thursday, June 2, 2022

8:00 AM to 11:45 AM Central Time - Virtual



## “Advanced Pneumatic Solutions for Packaging Machines”

8:00 – 8:10 AM	<p><b>Connection Time/Prepare for Event</b> We want to make sure everyone is connected and ready to go for an informative and interactive morning. Use this time to make sure your connection is working, familiarize yourself with the platform and connect informally with other participants via the virtual networking tables.</p>
8:10 – 8:30 AM	<p><b>Welcome and Icebreaker</b> Tom Wanke (MSOE) and Eric Lanke (NFPA) will call us to order and introduce Tom Egan from PMMI the Association of Packaging and Processing Technologies who is co-sponsoring this program on “<i>Advanced Pneumatic Solutions for Packaging Machines</i>” Tom Egan (PMMI) will provide an overview of PMMI. Followed by some other important announcements including details on utilizing the event platform.</p>
8:30 – 9:20 AM	<p><b>Title: “Advanced Pneumatic Solutions for Packaging Machines”</b> <b>Presenter: Jorge Izquierdo; VP Market Development; PMMI</b></p> <p><b>Abstract:</b> There are many terms like IIOT, Industry 4.0, etc. that are used to describe the digital transformation of the industry. This presentation will cover pneumatic solutions for packaging machines — from the conceptual applications to the reality of packaging operations and to the adoption of these technologies. Contrast will be drawn between different types of components (pneumatic systems, servo motors, drives, etc.), perception of reliability and the specific value of digital technologies for pneumatic systems.</p>
9:20 – 9:40 AM	<p><b>First Break/Networking Session</b> Use this 20-minute break to attend to details of your morning or join other attendees at a virtual table to network with audio/video. <i>Networking tables during this break will be shuffled every 5 minutes to boost networking opportunities.</i></p>
9:40 – 10:30 AM	<p><b>Title: “Smart Pneumatics for Packaging Equipment”</b> <b>Presenter: Frank Langro; Director of Product Market Management, Pneumatic Automation, North America; Festo Corp</b></p> <p><b>Abstract:</b> Pneumatic technology has long been considered a workhorse in industry, powerful, reliable and steady. That is now changing with the continued introduction of “intelligence” into pneumatic systems and components. With this new found intelligence, pneumatics can facilitate Overall Energy Effectiveness (OEE) and energy consumption while compensating for faults and wear ultimately leading to preventive and predictive maintenance. This presentation evaluates the emergence of “smart pneumatics” and its impact on the future of packaging equipment.</p>
10:30 – 10:50 AM	<p><b>Second Break/Networking Session</b> Use this 20-minute break to attend to details of your morning or join other attendees at a virtual table to network with audio/video. <i>Networking tables during this break will be shuffled every 5 minutes to boost networking opportunities.</i></p>
10:50 – 11:40 AM	<p><b>Title: “Vacuum Technology for the Digital Factory”</b> <b>Presenter: Justin Katz; Manager, Product Management Vacuum Automation; Schmalz, Inc.</b></p> <p><b>Abstract:</b> The digital factory of the future thrives on intelligent devices that integrate quickly, are permanently monitored and communicate with each other. State-of-the-art vacuum components are quickly integrated into the application environment via interfaces such as IO-Link, Ethernet or Near Field Communication (NFC). They continually gather and interpret energy and condition data from the process and make it available at the control panel, on the operator's smartphone and in the cloud. Thus, a seamless monitoring of the entire process becomes possible, enabling predictive maintenance to prevent downtime and optimize energy consumption. Our presentation will take you through the ways empowering your equipment to quickly detect and correct errors, increase reliability, reduce unplanned downtime and reduce your costs.</p>

11:40 – Log Off	<b>Wrap-Up and Evaluation</b> Tom Wanke (MSOE) will provide some summary comments on the morning, answer any remaining questions, and thank everyone for participating. Please fill out the provided online evaluation survey to gather feedback on the success of this program and to collect ideas for future programs. If you are available, feel free to jump back into your conversations at the networking tables.
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#### Presenter Contact Information

- Jorge Izquierdo [Jlquierdo@pmmi.org](mailto:Jlquierdo@pmmi.org) (571) 612-3199
- Frank Langro [frank.langro@festo.com](mailto:frank.langro@festo.com) (631) 404-3213
- Justin Katz [Justin.katz@schmalz.com](mailto:Justin.katz@schmalz.com) (919) 865-0628

PMMI is the **Association of Packaging and Processing Technologies**. PMMI is a global resource for the packaging and processing industry, uniting the industry across the manufacturing supply chain. Our members promote business growth in a variety of industries by developing innovative manufacturing solutions to meet evolving consumer demands, today and in the future. PMMI membership represents more than 950 North American manufacturers and suppliers of equipment, components, and materials as well as providers of related equipment and services to the packaging and processing industry.

**Tom Eagan**, Vice President Industry Services, PMMI; [tegan@pmmi.org](mailto:tegan@pmmi.org) (571) 612-3190

NFPA is the **National Fluid Power Association**, a trade association representing more than 300 companies across the fluid power supply chain, that works to strengthen the fluid power industry by convening an effective forum of industry stakeholders, delivering industry statistics and market information, providing opportunities for fluid power promotion, and building an educated workforce for the industry. Companies interested in joining NFPA should contact:

**Eric Lanke**, President/CEO, NFPA; [elanke@nfpa.com](mailto:elanke@nfpa.com) (414) 778-3351

FPIC is the **Fluid Power Industrial Consortium**, an industry networking group established by the Milwaukee School of Engineering to engage fluid power suppliers, manufacturers, distributors, and OEMs in a quarterly series of half-day seminars on the latest fluid power technology advances with immediate implementation. All NFPA members are automatically members of FPIC. Non-NFPA-members interested in joining FPIC should contact:

**Tom Wanke**, Director, FPIC and Industry Relations, MSOE; [wanke@msoe.edu](mailto:wanke@msoe.edu) (414) 277-7191

#### Future Programs:

- September 1, 2022 – Hybrid (Location TBD) “Increasing Efficiency and Reducing Emissions with Electric-Powered Hydraulics on Mobile Machines” Co-sponsored with the Association of Equipment Manufacturers
- December 1, 2022– Hybrid (Topic and Location TBD)