

ADVANTAGE



The Association for Packaging and Processing Technologies

- 87 years old (established in 1937)
- 900+ member companies
- \$83+ million total revenue
- **150**+ staff in:
 - Reston, Va. PMMI Headquarters
 - Chicago, Ill.
 - Mexico City, Mexico





PMMI Business
Drivers equip the
makers of packaging
and processing
technologies to
succeed in a
competitive global
marketplace.

PACK EXPO
Portfolio of Trade
Shows unites
the world of
packaging and
processing to
advance
industries.

PMMI Media
Group connects
manufacturers
year-round to the
latest solutions, trends
and innovations
in packaging and
processing.





Portfolio of Trade Shows

Unites the world of packaging and processing to advance industries.



















PMMI Media Group

Audience Engagement

Quality, original content to educate and engage your customers

Data

250,000+ database enriched with unique first party data to precisely target your ideal audience

Technology

Exclusive marketing tools to streamline campaign planning, execution, reporting and leads analysis





PMMI Media Group



Wendy Sawtell can answer questions. Contact her at wsawtell@pmmimediagroup.com





The Official Publication of





Published Quarterly

The Summer issue is out!

oemmagazine.org





The PMMI Media Group editorial staff is always on the lookout for **success stories** in the packaging, processing and automation industries.

Share your story with one of our editors and you just might see it in our next issue!



Matt Reynolds – 312.205.7918 – mreynolds@pmmimediagroup.com



Joyce Fassl – 312.222.9256 – jfassl@pmmimediagroup.com



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Keren Sookne – 312.205.7933 – ksookne@pmmimediagroup.com





marketing INSIGHTS

Marketing Insights:

A new resource for industrial marketers, from PMMI Media Group.

Discover trends and tips for getting the most out of your marketing investment by reading the online blog, email newsletter or printed quarterly issue.







New from PMMI Media Group:

- Mundo PMMI Spanish language media brand
- For professionals who package, process and automate in Latin America

Also available:

Newsletters, Facebook and Web Sponsorships













Focused Resources for Your Business:

- Business Intelligence
- Education & Workforce Development
- Global Marketing
- Industry Services
- Conferences & Events







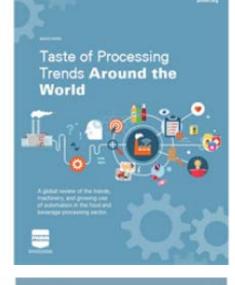
PMMI publishes reports on a range of industry topics that are *free* to members!

- Market Assessments
 - E-Commerce
 - Flexible Packaging
 - Nutraceuticals
 - Snack Foods
- Industry White Papers
 - Digital Printing
 - Pharmaceutical Packaging & Processing
 - Personal Care/Cosmetics





















Benchmarking and Economic Reports

As part of membership, you receive:

- Quarterly Business Indicators
- Quarterly Economic Outlooks
- Best Practices Surveys
- Vision 2025 Reports
- Top to Top Reports
- Quickie Surveys













Recent Quickie Surveys

- Online Marketing
- Payment Terms
- State Taxes
- Detectable Materials
- Measurement Standards
- Service Technician Hours
- Benefits
- Drug Testing Policies

Want to see how you measure up? Request one now!

Questions?

Contact: Rebecca Marquez Business Intelligence Coordinator

571.612.3205





New Sales Tool

Know the Trends – Share the Trends

PMMI will supply one VIP Comp Code (per member company) for **you to provide to current or potential customers** – allowing them full access to our library of industry and economic reports – absolutely free!

To Request and Use a VIP Comp Code:

- 1. Email Rebecca Marquez, business intelligence coordinator, PMMI at rmarquez@pmmi.org.
- 2. You will receive your VIP comp code within 24 hours.
- 3. Your VIP comp code is unique to your organization not to each individual recipient.
- 4. Your VIP comp code can be distributed to existing and potential customers so that they can download PMMI's Industry and Economic reports at no cost!









Benchmark Partner & Supplier Relationships

The <u>2018 Partners and Suppliers Quickie Survey</u> benchmarks engagement and expectations of partners and suppliers to improve and strengthen these relationships across the industry. Complete the <u>survey</u> to:

- · Find out how much your peers rely on local distributors for their components.
- See how often companies, similar to your own, expect to see their suppliers.
- Learn how much industry peers are shifting to online purchases for components.

Participate Now

This Just In

Get Your Pint On!

According to our newly released 2019 Craft Breweries and Distilleries Machinery and Automation Trends white paper craft beer and craft spirits are two segments of the beverage market that have garnered significant attention in the last decade, attracting consumers to a specialty item steeped in the authenticity of its production methods. While craft beer and craft spirits are at different stages of growth and maturity in their respective markets, they are ultimately quite similar, with several overlapping industry challenges and needs. Shared concerns amongst craft producers include:

- Space constraints
- Implementing automation
- Small-batch changeover
- Outsourcing
- Packaging considerations

Sent to your inbox every Thursday



Education & Workforce Development







Mechatronics Certification

PMMI currently offers eight assessments:

- Fluid Power 1
- Industrial Electricity 1 & 2
- Mechanical Components 1 & 2
- Motors and Motor Controls
- Programmable Logic Controllers 1 & 2





Online Technical Training

PMMI's eLearning courses help improve efficiency and reduce downtime by keeping your staff up to date on basic skills.

These interactive courses are available anytime online and cover these topics:

- Basic Electrical Components
- Basic Mechanical Components
- Fundamentals of Risk Assessment
- Introduction to Packaging Machinery
- Troubleshooting Packaging Machinery (Available in Spanish)







NEW Class!

Fundamentals of Field Service helps prepare personnel for the non-technical aspects of being a technician. The course covers customer service, communication skills, troubleshooting techniques and more.

Who Should Attend:

New technicians, Assemblers or Engineers going out on service calls, Technicians who could benefit from a refresher.

See **pmmi.org** for 2019 dates!







Two-Day, Hands-On Workshops

Risk Assessment Workshops show you how to conduct a risk assessment in your plant that meets both U.S. and global machinery standards.

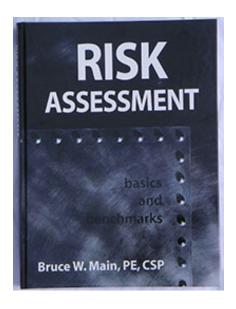
Certified Trainer Workshops teach technicians how to deliver consistent, high-quality training to others.







Risk Assessment Workshops



Students learn how to:

- Build better, safer, more productive machines often at a reduced cost
- Meet customer requirements for documented risk assessments
- Understand the legal implications of risk assessment for new and legacy equipment





Certified Trainer Course

Students Learn:

- Training techniques including how to teach the adult learner, the 4-step training process, performance checks, and recognition
- To assess needs, build a partnership agreement, and develop a training plan
- To develop training documentation and job aids
- How to identify training/learning gaps, develop a follow-up plan, and measure training outcomes





Leadership Development Program

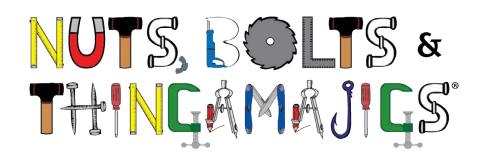
Addresses:

- Supervising direct reports
- Providing and receiving constructive feedback
- Focusing on continuous performance improvement
- Building teams and developing teamwork
- Collaborating with colleagues
- Implementing the vision and mission of their company
- Communicating with and interacting with key customers
- Building relationships
- Acting as leaders in their own companies



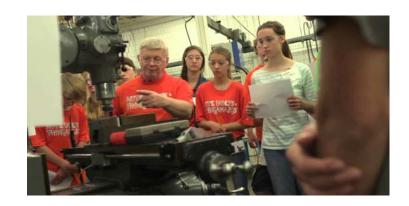


20 Manufacturing Summer Camps in 2020-2021













Investing in the future of our industry





Tuition Reimbursement

Member companies can receive **up to \$1,000** annually towards job-related education and training costs for their employees, for both PMMI training and training from other sources







Up to \$10,000 in matching funds...

For members to provide learning and development opportunities to current employees.







Up to \$50,000 in matching funds...

For members to actively participate in development of educational programs to engage the *future* workforce in their area.







Member Family Scholarship Program

Eligibility:

- Be an employee or immediate family member of an employee at a PMMI member company.
- Student must be enrolled in an accredited 2 or 4 year college, university or vocational /technical school in a course of study relevant to a business or business-related field with preference given to mechatronics, packaging or processing curriculum.
- Academic Achievement: GPA of 3.0 or higher

TEN \$5,000 scholarships currently available!

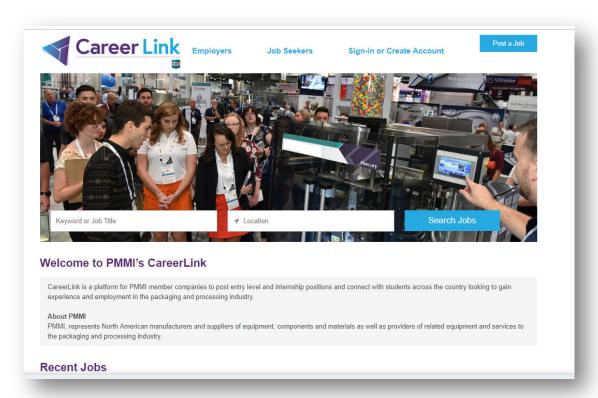




Online Job Board

Post entry level and internship positions and connect with students interested in the packaging and processing industries

careerlink.pmmi.org







Career Link LIVE

Purdue University Northwest STEM Career Fair September 5, 2019
Hammond, Ind.

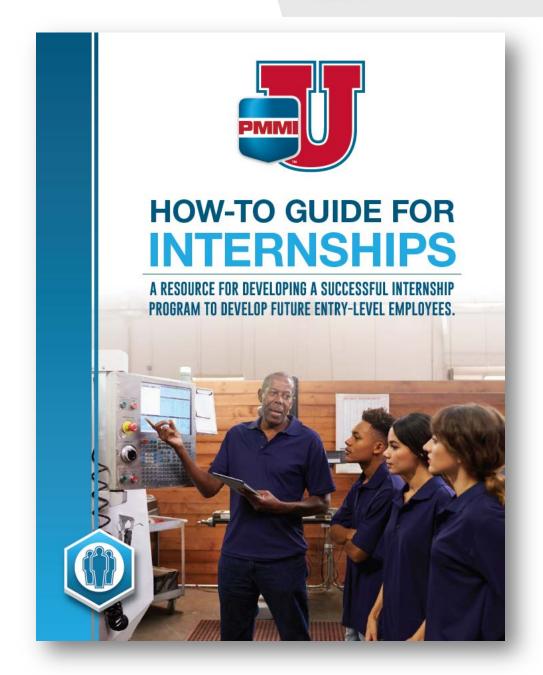
University of Illinois Chicago Engineering Career Fair September 18, 2019
Chicago, Ill.

CareerLink @ PACK EXPO September 23 - 24, 2019 Las Vegas, Nev. Open to CPGs



careerlink.pmmi.org





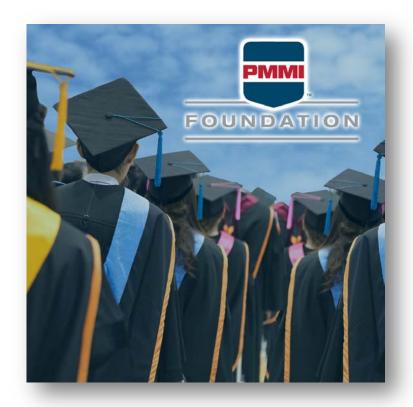




Scholarships

PMMI awards over \$300,000 in scholarships each year to students studying packaging, processing, engineering and mechatronics at over 60 U.S. colleges and technical schools.

- Tuition scholarships
- Travel scholarships for students attending PACK EXPO Trade Shows





Global Marketing





Global Marketing Reports:

- Guide to Global Markets
- Global Packaging Trends
- Market Assessments for:
 - Brazil
 - Canada
 - Colombia
 - Mexico
 - Thailand
 - India







Export Assistance

Members can:

- Exhibit in the PMMI pavilion at international trade shows
- Use the International Trade Show Assistance Program (General Members Only)
- Try Export Experts and get your toughest export questions answered
- Access agent directories
- Access research on key international markets





7 PMMI Pavilions in 2019

EXPO PACK Guadalajara

Guadalajara, Mexico June 11 - 13, 2019

ProPak Asia

Bangkok, Thailand June 12 - 15, 2019

FISPAL Tecnologia

Sao Paulo, Brazil June 25 - 28, 2019

ProPak China

Shanghai, China June 19 - 21, 2019

Envase Argentina

Buenos Aires, Argentina Sept. 10-13, 2019

GulFood Manufacturing

Dubai, UAE Oct. 2019

Andina Pack

Bogota, Colombia Nov. 19 - 22, 2019





14 Additional Shows Supported by Trade Show Assistance

ProPak Philippines

Jan., 24 - 26 2019 Manila (Philippines)

ProPak Vietnam

19 - 21 March 2019 Ho Chi Minh City (Vietnam)

TAIPEI PACK

19 – 22 June 2019 Taipei (Taiwan)

RosUpack

18 – 21 June 2019 Moscow (Russia)

EAST PACK Indonesia

20 – 23 June 2019 Surabaya (Indonesia)

PackPlus

28 – 31 August 2019 New Delhi (India)

FachPack

24 – 26 September 2019 Nuremberg (Germany)

PackEx India

13 – 15 September 2019 Mumbai (India)

ProPak Myanmar

12 - 14 September 2019 Yangon (Myanmar)

Saudi Agro-Food/ Saudi Food-Pack

21 – 24 October 2019 Riyadh (Saudi Arabia)

PPMA Show

1 – 3 October 2019 Birmingham (UK)

Agroprodmash

7 – 11 October 2019 Moscow (Russia)

ProPak India

21 - 23 October 2019 Mumbai (India)

Interpack

7 - 13 May 2020 Dusseldorf (Germany)





Int'l. Agents Reception at PELV

Date: Tuesday, Sept. 24

Time: 4:00 p.m.

Location: International Business Center

Register and get a directory of agents attending.

Set up meetings in advance and meet in person without any international travel.





Industry Services





CPA, The Association for Contract Packagers & Manufacturers

PMMI provides association management services to the CPA.

MISSION STATEMENT: CPA's mission is to enable its members to maximize business opportunities and growth beyond industry norms and greater than they can accomplish alone.

CPA's objectives include:

- •Establishment of ethical standards among contract packagers and their clients
- •Programs to increase knowledge and expertise within the industry
- •Promotion of the effective use of contract packaging services.





Institute of Packaging Professionals

PMMI provides association management services to the **Institute of Packaging Professionals (IoPP)**.

MISSION STATEMENT: The Institute of Packaging Professionals is dedicated to creating networking and educational opportunities that help packaging professionals succeed.





Cold Pressure Council

PMMI provides association management services to the Cold Pressure Council.

MISSION STATEMENT: To lead, facilitate and promote industry standardization, user education and consumer awareness of High Pressure Processing.

CPC members can use the High Pressure Certified logo on products.





























The Packaging Management Council (PMC) provides a roundtable for senior packaging leaders to exchange information on trends and issues that will enhance member company knowledge related to packaging and operations. It seeks to raise awareness of the role that packaging professionals play in delivering all types of products to businesses and consumers.

MEMBERS

3M

ACH Food Companies Inc.

Bedford Systems LLC

BIC Consumer Products USA

Bush Brothers & Co.

Campbell Soup Company

Colgate-Palmolive ConAgra Foods, Inc.

Energizer Freshpet

General Mills

Hershey Foods Corporation

Hollister Incorporated

Jamssen Ortho LLC

Johnson & Johnson

Johnsonville Sausage LLC

Jurst Borm

McCormick & Co., Inc.

McNeil Consumer Healthcare

Mead Johnson Nutrition

Medtronic

Merck

MillerCoors

Newell Rubbermaid

PepsiCo

S.C. Johnson & Son Inc.

Sabra Dipping Company, LLC

Sargento Foods, Inc.

Schwan's Shared Services, LLC

Starbucks Coffee Company

The Boston Beer Company

The Scotts Miracle-Gro Company

Treehouse Foods

White Wave Foods





The Organization for Machine Automation and Control

OMAC is the organization for automation and manufacturing professionals that is dedicated to supporting the machine automation and operation needs of manufacturing.

The objective of the OMAC Packaging Workgroup (OPW) is to maximize the value of packaging and processing machinery by improving automation guidelines and standards leading to improved flexibility, capability, and reduced system integration costs.

omac.org





The Organization for Machine Automation and Control

Board of Directors

Paul Redwood

Chairman Church & Dwight, Co. Inc.

Spencer Cramer

Secretary ei3 Corporation

Jay Joyner

Vice Chairman
Procter & Gamble

Ron MacDonald

Board Member Nestlé **John Uber**

Board Member Mettler Toledo

John Kowal

Board Member B&R Automation

Art Smith

Board Member Corning

Chris Mills

Board Member E-Technologies





Packaging & Processing Women's Leadership Network

- 1,100+ professionals in the network
- Executive Council made up of end users/CPGs and PMMI members
- Live events at all PACK EXPO shows
 - 550+ attended the 2018 PACK EXPO International event
 - 120+ attended the 2019 ProFood Tech networking breakfast

 Resources include a quarterly newsletter, website and LinkedIn network with blogs, articles and videos

REGISTER

Networking Breakfast at PACK EXPO Las Vegas Tuesday, Sept. 24

pmmi.org/ppwln







PMMI Technical Services

MISSION: Identify and influence regulatory and standards issues that will impact the industry now and in 3-5 years.

PMMI is a member of the American National Standards Institute (ANSI) and participates in the ANSI Company Member Forum, Organizational Member Forum and Consumer Interest Forum

PMMI has been accredited as a Standards Developing Organization (SDO) by the American National Standards Institute since 1972

PMMI standards and technical reports include:

- ANSI/PMMI B155.1 2016 Safety Requirements for Packaging and Processing Machinery
- PMMI B155 TR 1 design guidelines for the robotic handling of filled corrugated containers with vacuum
- PMMI B155 TR 2.1 Tolerances For Regular Slotted Containers (RSCs)
- PMMI B155 TR 2.2 Tolerances For Scored And Slotted Corrugated Sheets And Trays



PMMI represents its members with involvement in U.S. and International Standards including:

- ISO TC122 Packaging –
- ISO TC 199 Safety of Machinery
- ISO 31000 Risk Management

WG5 Risk Assessment

- EN/ISO 12100:2010; 22100; Safety of machinery
- ISO 14159:2002 Safety of machinery --Hygiene requirements for the design of machinery

WG8 Control Systems

- EN/ISO 13849-1:2015 Safety of machinery Safety-related parts of control systems
- ISO 13849-2:2012 -Safety of machinery --Safety-related parts of control systems
- EN/ISO 13850:2015 Safety of machinery Emergency stop function
- EN/ISO 13851:2002 Safety of machinery Two-hand control devices

Goal – Harmonization of U.S. and EN/ISO Standards





PMMI is Involved in Additional U.S. and International Standards including:

- **RIA 15.06** Robots
- B11 Machinery standards
 - B11.0 Risk Assessment
 - B11.19 Performance Criteria for Safeguarding
- NSF/3A 14149-1 Hygienic design for meat and poultry
- MH10.4 US TAG for RFID, Linear, 2D barcodes
- ANSI/ASSE Z244.1 Lockout/Tagout













Networking and tools to facilitate communication between suppliers and end users.

Participate in an exceptional forum for open dialogue between **manufacturers and OEMs** who share a dedication to operational excellence.

Over **250 companies** collaborate on solving common operational challenges.

Develop best practices and protocols for **free** industry adoption.





















Quality







EDWARDMARC

NATURE'S BOUNTY













































Executive Council

Josh Becker

Senior Manager, Packaging

Systems

The Hershey Company

Wilken Benjamin II

Principal Packaging Equipment

Engineer

Rich Products Corporation

Eric Bliss

Sr. Engineering Manager

Blommer Chocolate Company

Brett Butler

Vice President of Plant

Operations

Bumble Bee Foods

Ryan Clemens

Packaging Engineering

Manager

Great Lakes Cheese Co., Inc.

James Couch

Director of Operational

Improvement

Smithfield Foods, Inc.

Margie Custin

General Manager

Mettler Toledo Product

Inspection

David Devries

Engineer Amway

Patrick Donoghue

Market Manager, Consumer

Goods

Lenze Americas

David Drum

Principal Engineer

Kellogg Company

Donald Edsall

Business Development Manager

Schneider Electric

Janet Edwards

Vice President of Operations

Musco Family Olive Company





Executive Council (cont.)

Terry Farris

Director of Engineering
Bush Brothers & Company

Greg Flickinger

*Sr. Vice President of Operations*Green Thumb Industries, Inc.

Shawn French

Director of Packaging
Performance & Technology
Danone North America

Roy Greengrass

Director of Manufacturing
Engineering
Impossible Foods

Dana Greenly

National Packaging Manager

ASCO

Mark Hanley

Sr. Asset Reliability Manager

Land O' Lakes, Inc.

Doug Herald

COO

Ameriqual

John Hilker

SVP Manufacturing

The C.F. Sauer Company

Bob Johnston

Sr. Director

Post Holdings

Paul Kafer

Vice President of Engineering

Darigold

Richard Larsen

Chief Facilities and Equipment

Officer

Honeyville, Inc.

Bret Mohar

Vice President of Manufacturing

Amy's Kitchen, Inc.





Executive Council (cont.)

Vince Nasti

Vice President of Operations
Nation Pizza Foods

Chris Nutley

President
MSW Packaging

Narinder Pal Singh

Vice President of Engineering Olam Americas, Inc.

Carol Pritchett

Manager, Core Technologies
Abbott Laboratories

Warren Pruitt

Vice President of Global Engineering Services Colgate Palmolive

Jim Prunesti

Vice President of Engineering
Conagra Brands

Lisa Rathburn

Vice President of Engineering
Marzetti Company

Jason Robertson

Director of Business
Development
CRB

Hugh Roddy

Director of Automation and Reliability Chobani

Chad Sayles

Director of Corporate
Engineering
Hormel Foods Corporation

Paul Schaum

COO

Pretzels, Inc.

Scott Spencer

COO

Island Abbey Foods[®] Ltd.





Executive Council (cont.)

Don Van Tassle

Bakery Director
Gold Standard Baking, Inc.

Philip Vanasse

Director of Engineering Land O' Frost, Inc.

Tony Vandenoever

Director of Supply Chain Engineering Tropicana

Chay Vue

Sr. Director of Engineering Schwan's Company

Robert Washington

Director of Market Quality and Compliance
Johnson & Johnson

David Watson

Vice President of Engineering, Filling, and Packaging Campbell Soup Company

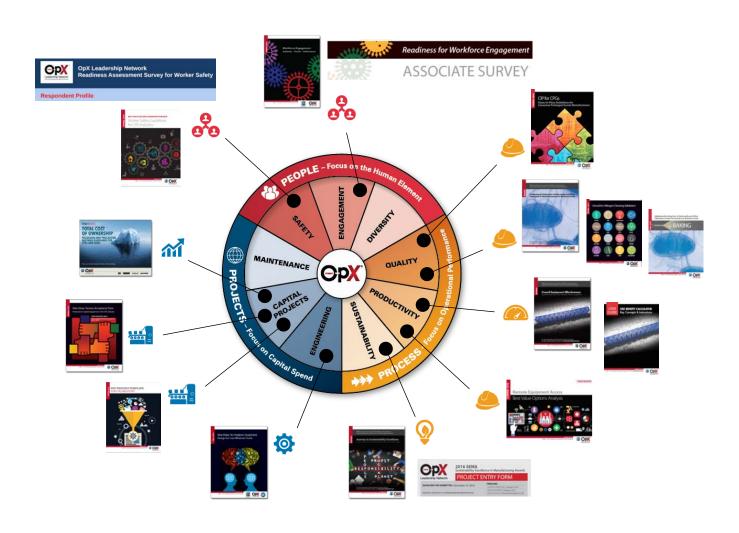
Joe Zembas

Director

The J.M. Smucker Company

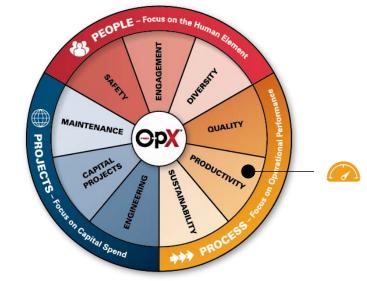


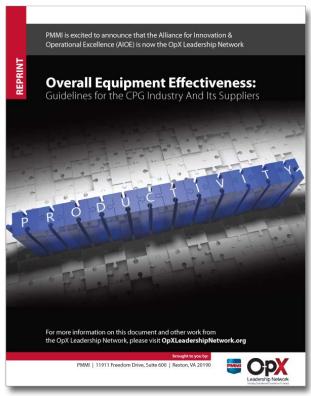










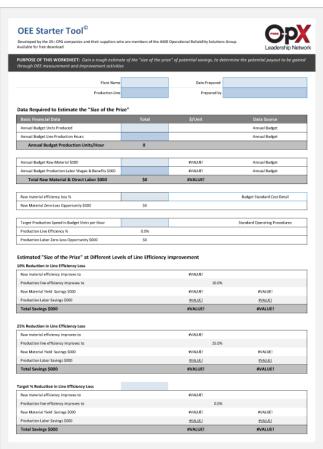






Calculators









Total Cost of Ownership



Definitions and Guidelines Checklists













REQUEST FOR PROPOSAL

Guidelines Help Deliver Capital Project Excellence





THE CHALLENGE

Clarifying project requirements and minimizing costly misunderstandings between CPGs and OEMs through a rigorous Request for Proposal (RFP) process.



THE SOLUTION

A tool that enables both OEMs and CPGs greater understanding of project requirements, resulting in better outcomes for all stakeholders involved in the process of specifying and executing capital projects.

SEVEN KEY STEPS FOR A CAPITAL PROJECT RFP



- INVITATION TO PARTICIPATE

 (PG provides the bidder with a "high level" abstract of the project, requirements and purpose,
- 2 COMPANY INFORMATION
- INSTRUCTIONS AND SCHEDULE TO COMPLETE RFP
- (PG provides the bidder with specific instructions and an overview of the timeline to respond
- 4 DOCUMENTS SUMMARY

 CPG provides a summary of the documents that are the basis of this RFP.
- PROJECT INTRODUCTION

 (PG provides a more detailed description of the equipment's requirements.
- 6 PRODUCT AND PACKAGE DESCRIPTION

 (PG provides the bidder with input on product/package final material parameters.
- 7 PERFORMANCE SUCCESS CRITERIA

 Quality, rate, validation and performance requirements are measured











STREAMLINE YOUR RFP PROCESS

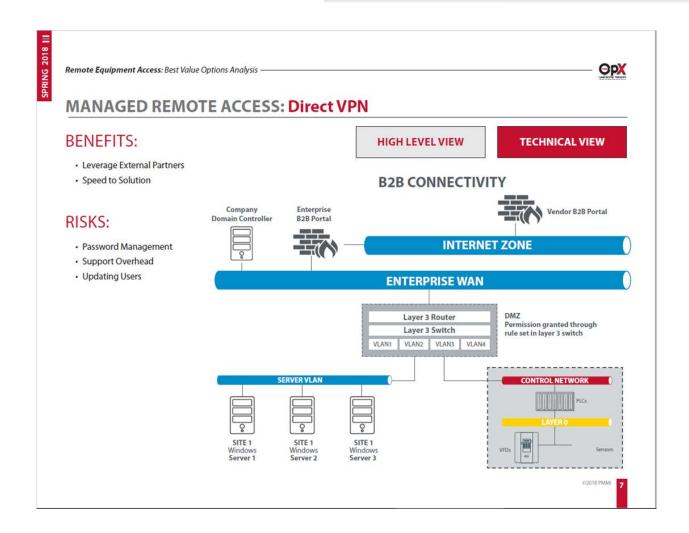
Download the RFP Guidelines and Template and find out how to connect with the OpX Leadership Network at industry events by visiting **OpXLeadershipNetwork.org**.

Find the OpX Leadership Network group on Linked in









REMOTE EQUIPMENT ACCESS

5 vetted best practices





Platinum Sponsor



Gold Sponsors



DESIGN, CONSTRUCTION, AND CONSULTING SOLUTIONS



OpXLeadershipNetwork.org



Conferences & Events



Executive Leadership Conference

Held annually in the Spring

SAVE THE DATE:
April 18 – 21, 2020
JW Marriott Marco Island
Marco Island, FL

160+ executives from 100+ PMMI member companies







PMMI Roadshow

Recently held at B&R Automation Corp., Roswell, GA



pmmi.org/roadshow

*Total Cost of Ownership, Factory Acceptance Test, Overall Equipment Effectiveness









2019 Regional Dinners

July 18, 2019

Royal Canadian Military Institute Toronto, Canada

August 13, 2019

Lake Elmo Inn Lake Elmo, Minn.







November 4-6, 2019 Cincinnati, OH

Includes general sessions, strong networking, breakout discussions and a *plant tour* hosted by R.A Jones.



More than 300 professionals attended in 2018 from over 150 member companies

REGISTER: pmmi.org/annualmeeting





Recognize Your Rising Stars at the PMMI Annual Meeting

Nominations open!

- Submit nominations by Sept. 6
- Winners receive FREE airfare, hotel stay, meeting registration and a feature in OEM Magazine
- Annual Meeting will be held in Cincinnati, Nov. 4-6

pmmi.org/emerging-leaders-network/awards







"Emerging leaders are members of your team that show dedication to their company and to the packaging and processing industry through a displayed commitment to learning and professional development."

PMMI's Emerging Leaders connect through:

- PMMI Member Meetings
- Networking Receptions at PACK EXPO
- LinkedIn Group





Committees

Members have an opportunity to support the industry by volunteering their time and expertise on one of these committees:

- Business Intelligence
- Education
- Workforce Development
- Global Marketing
- Membership
- Show
- Emerging Leaders
- Strategic Planning
- Industry Relations
- Program Planning







Upgrade Your Training Skills at PACK EXPO East

Make the most out of your Philly trip by registering for PMMI's <u>Certified</u>
<u>Irainer Workshops!</u> From **April 16-17** at PACK EXPO East, elevate your training skills and still experience all the show has to offer.

Sign Me Up

Showcase Your Brand to Food and Beverage Processing Professionals!

Do you supply equipment for food and beverage processing? Don't miss ProFood World's signature supplier branding program, Leaders in Processing, beginning with your ad in the February issue. Program reservations are due January 12th. Learn more »

Brand Security or Beauty?

Brand Security or Beauty in Nutraceutical Packaging?
You Don't Have to Choose. Read more about Covert and Overt Brand.

ADVANCE YOUR BUSINESS

Gain Competitive Insight About Global Markets

PMMI's Global Marketing Department offers research and statistics covering the global packaging & processing machinery industries in its <u>International</u> <u>Research Library</u>. All International Research Reports are available online and are free to PMMI members.

Visit the Library

The Results are In!

Did you complete PMMI's Industry Compensation and Benefits Best Practices Survey? If so, keep an eye on your inbox for a complete data report along with your company's personalized report to benchmark your data against other PMMI members. This valuable resource is only available to survey participants and is not for sale. To designate a survey contact at your company so you don't miss out next time, contact Rebecca Marquez, business intelligence coordinator, PMMI at marquez@pmmi.org

PMMI THINKS...

How does your organization reward your employees for achieving goals?

Take a moment to answer this month's polling question and be entered to win a FREE, limited edition coffee tumbler! Winners will be selected at random from all participants.



Answer the Question







Discover how we can provide value to your business.

Presentations to:

- Your management team
- Your sales team
- Sales/Service meetings
- HR

Ask us to VISIT! Call Member Services at 571.612.3200.

Take Advantage of Your Membership Today!



The Association for Packaging and Processing Technologies