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2021 PDA VISUAL INSPECTION FORUM

EXHIBITOR BUYER'S GUIDE

14-15 APRIL

EXHIBITION: 14-15 APRIL

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2021 PDA
VISUAL
INSPECTION
FORUM

2021 EXHIBITS COMMITTEE



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Pall Corporation

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Larry Pepper

Genesis Packaging Technologies

Peter Pratt

Bioscience International, Inc.

Jason Willett

Veltek Associates, Inc.

Alison Caballero

PDA

David Hall

PDA

This Buyer's Guide is designed to help you maximize your virtual *2021 PDA Visual Inspection* experience. Use the **Schedule-at-a-Glance** and **Tech Talk schedule** to build your own itinerary. The **Exhibitor Abstracts** and listing of Exhibitors by categories of product and service offerings will make it easier for you to navigate the virtual Exhibit Hall and to select those Exhibitors with which you want to connect. This is a special year for this important Conference – we are hosting it virtually for the first time! While we cannot be together in person, we plan to mark the occasion with the best Visual Inspection Forum yet! We have developed this Forum to ensure it delivers the same high-quality content, premier attendee experience, and community-focused networking opportunities you have come to expect. With superior content from thought leaders and plenty of opportunities to connect with peers from all over the world, this remains the premier event in the field

2021 PDA
VISUAL
INSPECTION
FORUM

THANK YOU TO OUR SPONSORS!

PDA extends a special
thank you to the following
companies for their generous
support of the *2021 PDA Visual
Inspection Forum*





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0.26 seconds can be decisive for patient safety

0.26 seconds – it does not take longer to find smallest defects or impurities on Blow-Fill-Seal containers. VINSPEC HEALTHCARE vision systems fully automatically inspect the entire filling and packaging process. Through inline inspection defective containers can be rejected immediately. **More safety. Better health.**



VITRONIC provides a wide range of innovative solutions for optical quality inspections in pharmaceutical filling and packaging processes. VINSPEC HEALTHCARE systems can be flexibly integrated in production lines. The portfolio includes fully automated inspection solutions for vials, BFS, IV-bags, insulin pens and TTS.

www.vitronic.com

[View full company abstract >](#)

SCHEDULE-AT-A-GLANCE

All times listed in EDT (UTC -4)

MONDAY, 12 APRIL



Exhibitor Tech Talks – Available on demand starting 12 March

Get a head start and watch the Tech Talks. Then dial into the Tech Talk Live Video Chats for further discussion on the topics.
ON DEMAND

WEDNESDAY, 14 APRIL



Exhibit Hall Open 09:00 – 10:00



P1 – Regulatory Overview 10:00 – 11:10



Welcome from Program Planning Committee Co-Chairs 10:00 – 10:10



The Changing Visual Inspection Regulatory Environment 10:10 – 10:30



Current Regulatory Considerations for the Assessment of Visible Particulates in Injectable Pharmaceuticals 10:30 – 10:50



Live Q&A 10:50 – 11:10



Virtual Exhibit Hall 11:10 – 11:40



Concurrent Sessions 11:40 – 12:40



Connect & Network and Tech Talk Video Chat 12:40 – 13:00



Concurrent Sessions 13:00 – 14:00



Connect & Network and Tech Talk Video Chat 14:00 – 14:30

THURSDAY, 15 APRIL



Exhibit Hall Open 09:00 – 10:00



Concurrent Sessions 10:00 – 11:00



Virtual Exhibit Hall 11:00 – 11:30



Concurrent Sessions 11:30 – 12:30



Connect & Network 12:30 – 13:00



P2 – Panel Discussion and Forum Highlights 13:00 – 14:15



Connect & Network 14:15 – 14:45

VIDEO CHAT: ATTENDEE PERSPECTIVE

Did you know you can meet with exhibitors via video chat?

Although we are not meeting in person, you can still meet “face to face” with exhibitors through Live Video Chat. Navigate through the booths, and find the “Video Chat” option.

Hover over the picture of the video chat representative to see their availability and then click the “Video Chat” button.

The screenshot shows a web interface for the PDA 2022 Annual Meeting. At the top, there are navigation icons (back, forward), a star icon for 'Favorite', a thumbs-up icon for 'Like', and a printer icon for 'Print'. Below this is a banner for 'EXHIBIT WITH PDA NEXT YEAR' with the PDA logo and '2022 ANNUAL MEETING | DALLAS, TX'. On the left, there are menu items: 'Company Details', 'Contact Info (1 representative)', 'Resources (6 items)', and 'Video Chat (1 representative)'. The 'Video Chat (1 representative)' item is highlighted with a pink box. The main content area is titled 'Video Chat Representative' and contains the following text: 'Please note that exhibitors will ONLY be available during the times they have listed in their availability. Please hover over the video chat buttons below to view each representative's availability.' Below this, it says: 'When you click the chat buttons below you can pick one of two ways to join the chat. You can use your computer (modern browsers such as the latest versions of Google Chrome, Microsoft Edge, and Firefox are supported) or you can also join with the eventScribe Live app on your mobile device (a great alternative if you have problems connecting with your computer.)' A representative's name 'David Hall' is shown above a circular profile picture. A tooltip displays his availability: 'Mon - Tue from 9:30 AM - 4:00 PM EST' and 'Wed from 9:30 AM - 2:45 PM EST'. Below the picture is a 'Video Chat' button and the text 'Hover here for availability'.

You will have two options to join video chat. Select one and begin to chat. Up to 14 other attendees can join each video chat room.

TECH TALKS

All times listed in EDT (UTC -4)

Tech Talks are on demand starting at 12:01 EDT (UTC -4) on 12 April, 2021. Guide yourself through the available presentations. Representatives from the participating companies will be available for live video chat during the time listed below. Join them face to face through the tech talk channel.

WEDNESDAY, 14 APRIL

12:40 – 13:00

A Novel Particulate Database for Foreign Particulate Matter Investigations

David Exline, President and Founder, *Gateway Analytical LLC*

The inspection, detection, characterization and source determination of foreign particulate matter in pharmaceutical, medical device and gene/cell therapy products is a critical aspect to all regulated manufacturing processes. A cohesive program is vital for all manufacturers to manage the entire particulate management lifecycle. The main phases of a thorough particulate management lifecycle include process and product QBD initiatives, visual inspection, detection of foreign particulate, laboratory analysis, source determination, impact and future remediation. The methodologies implemented in these phases directly impact the overall quality system as it relates to foreign particulate investigations. Understanding of an overall particle management lifecycle approach and introduction to supporting methodologies and particle characterization strategies is imperative to proactively manage particle studies and non-conformance investigations. The ParticleID Database enables the user to compile, store, search and mine analytical data to optimize processes for foreign particulate and materials investigations. The ability to create internal known laboratory reference collections or utilize existing commercial databases adds significant value to an investigation. All manufacturing environments contain a variety of product, process and environmental sources. A robust data management system is critical to efficiently access the variety of materials needed to accurately identify the source of foreign materials.

14:00 – 14:30

Discovering New Defects with Deep Learning

Sebastian Brandes, Co-Founder, *BREVETTI AI (a Company of BREVETTI C.E.A. S.p.A.)*

Algorithms based on deep learning inherently develop a model of what good products look like and how defects tend to look. It naturally develops the capability to identify new defects that were not known by the inspection specialists at the time of designing and building the automatic inspection machine. In this presentation, we will talk about how DL can be used as a tool to discover defects made by the production process and how they can be classified in categories that we can use for designing, building, and validating inspection machines.

14:00 – 14:30

Automated Vial Inspection – a Product Demonstration

Peter Daniel, Sales Engineer, *VITRONIC Dr.-Ing. Stein Bildverarbeitungssysteme GmbH*

Automated Vial Inspection – a Product Demonstration of a dedicated 360° sensor and learn about the advantages of inline inspection of vials and crimping.

COMPANY ABSTRACTS



ANTARES VISION

1 Whittendale Dr., Ste. A
Moorestown, NJ 08057
Tel: +1 (856) 780-3465
Fax: +1 (856) 581-4118
www.antaresvision.com

Leading the complete process of protecting the products throughout their life-cycle, Antares Vision delivers the most comprehensive, scalable global solution in inspection systems, track & trace, and smart data management. Driven by competence, energy, and passion, we have fun in providing innovative technologies and developing strong partnerships with our customers.

CATEGORIES:

- Inspection Systems
- Labeling & Coding
- Pharmaceutical Equipment
- Process Automation
- Process Validation
- Software
- Supply Chain Management
- Visual Inspection of Parenterals



BREVETTI C.E.A. SPA

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Via del Commercio, 28
Sovizzo, Veneto 36050
Italy
Tel: +39 0444 551988
www.brevetti-cea.com

Brevetti CEA is 100% focused on the design and production of inspection machines for injectable pharmaceutical products. Since the 1950s, it has been committed to supporting companies around the world in order to guarantee the use of safer medicines for patient health. Across the world, Brevetti CEA references include a large variety of countries, customers, and major international pharmaceutical groups. With more than 2,500 machines installed worldwide, Brevetti CEA is internationally recognized as the inspection specialist.

CATEGORIES:

- Inspection Systems
- Instruments & Controls
- Visual Inspection of Parenterals



GATEWAY ANALYTICAL, AN APTAR PHARMA COMPANY

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2009 Kramer Rd.
Gibsonia, PA 15044
Tel: +1 (724) 443-1900 x136
www.gatewayanalytical.com

Gateway Analytical is a full-service analytical testing laboratory specializing in comprehensive, innovative particle testing and analysis solutions for the pharmaceutical, materials, and medical device industries. Gateway's unique focus specialized in testing methods and expert scientists allow the fast, accurate, and reliable results that today's customer's demand. To learn more, visit www.gatewayanalytical.com

CATEGORIES:

- Analytical Equipment/Services
- Analytical Labs/Stability
- Biologics (Blood and Plasma Products)
- Biopharmaceuticals
- Biotech
- Blow/Fill/Seal
- Cell Therapy
- Container Closure
- Contract Manufacturing
- Dye Test
- Extractables and Leachables

COMPANY ABSTRACTS

GATEWAY ANALYTICAL, AN APTAR PHARMA COMPANY (continued)

- Fill/Finish
- Glass Containers/Products
- Inspection Trends
- Lyophilization
- Pre-filled Syringe
- Product Development Services
- Proteins/Peptides
- QC/QA
- Single Use Systems
- Stoppers and Elastomers
- Syringes
- Vaccines
- Visual Inspection of Parenterals

Lonza

LONZA PHARMA & BIOTECH

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www.lonza.com

At Lonza Pharma & Biotech, we provide contract development and manufacturing services that enable pharma and biotech companies to bring medicines to patients in need. From the gene to the final drug product, our solutions are created to simplify your outsourcing experience and provide a reliable outcome, at the time when you expect it. Our extensive track record includes the commercialization of pioneering therapies and manufacturing of a wide variety of drugs. We continuously invest to solve not just the current, but also the future challenges. Together, we can bring your next medicine to life.

CATEGORIES:

- Biopharmaceuticals
- Contract Manufacturing
- Fill/Finish
- Product Development Services

PARENTERAL DRUG ASSOCIATION (PDA)

4350 East West Highway, Suite 600

Bethesda, MD 20814

Tel: +1 (301) 656-5900

www.pda.org

The Parenteral Drug Association (PDA) is the leading global provider of science, technology, and regulatory information. PDA creates awareness and understanding of important issues facing the pharmaceutical and biopharmaceutical community and delivers high-quality, relevant education to the industry. Since its founding in 1946 as a nonprofit organization, PDA has been committed to developing scientifically sound, practical technical information and expertise to advance pharmaceutical/biopharmaceutical manufacturing science and regulation, so members can better serve patients.

CATEGORIES:

- Aseptic Processing
- Biopharmaceuticals
- Biotech
- Microbiology/Environmental Monitoring
- Quality Systems
- Regulatory Affairs
- Sterilization Sciences
- Supply Chain Management
- Training Materials and Services

COMPANY ABSTRACTS



VITRONIC MACHINE VISION LTD.

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Louisville, KY 40299
Tel: +1 (502) 266-2699
Fax: +1 (502) 266-2695

www.vitronic.com

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VITRONIC is a global leader in the field of industrial machine vision headquartered in Wiesbaden, Germany. VITRONIC supports customers in more than 60 countries via a global network of subsidiaries, service centers, and partner companies. VINSPEC HEALTHCARE offers an integrated solution for automated quality inspection of pharmaceutical packaging. The visual inspection system covers all requirements throughout the entire packaging process. These include inline inspection of empty containers, as well as inspections during the filling and sealing process. The portfolio includes fully automated inspection solutions for vials, BFS, IV-bags, TTS, and insulin pens. Systems can be flexibly integrated into existing production lines.

VITRONIC MACHINE VISION LTD.

(continued)

CATEGORIES:

- Blow/Fill/Seal
- Container Closure
- Flexible Container
- Inspection Systems
- Inspection Trends
- Process Automation
- QC/QA
- Vials
- Visual Inspection of Parenterals



WILCO AG

Rigackerstrasse 11
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Switzerland
Tel: +41 56 618 4343

www.wilco.com

WILCO AG is a Swiss solution provider of leading inspection systems. With 50 years of tradition in innovation, we offer customized solutions for nondestructive Visual Inspection and Container Closure Integrity Testing for a wide range of pharmaceutical packaging. WILCO has a large portfolio of technologies and methods which are used individually or in combination for the customized systems for lab to production. Continuous optimization and expansion enable unique solutions and guarantee future-proof solutions with maximum functionality.

CATEGORIES:

- Calibration Services
- Consulting Services
- Inspection Systems
- Inspection Trends
- Validation Services
- Visual Inspection of Parenterals

COMPANY CATEGORY LISTINGS

Analytical Equipment/ Services

Gateway Analytical, An Aptar
Pharma Company **8**

Analytical Labs/Stability

Gateway Analytical, An Aptar
Pharma Company **8**

Aseptic Processing

Parenteral Drug Association **9**

Biologics

(Blood and Plasma Products)

Gateway Analytical, An Aptar
Pharma Company **8**

Biopharmaceuticals

Gateway Analytical, An Aptar
Pharma Company **8**

Lonza Pharma & Biotech **9**

Parenteral Drug Association **9**

Biotech

Gateway Analytical, An Aptar
Pharma Company **8**

Parenteral Drug Association **9**

Blow/Fill/Seal

Gateway Analytical, An Aptar
Pharma Company **8**

VITRONIC Machine Vision Ltd. **10**

Calibration Services

Wilco AG **10**

Cell Therapy

Gateway Analytical, An Aptar
Pharma Company **8**

Consulting Services

Wilco AG **10**

Container Closure

Gateway Analytical, An Aptar
Pharma Company **8**

VITRONIC Machine Vision Ltd. **10**

Contract Manufacturing

Gateway Analytical, An Aptar
Pharma Company **8**

Lonza Pharma & Biotech **9**

Dye Test

Gateway Analytical, An Aptar
Pharma Company **8**

Extractables and Leachables

Gateway Analytical, An Aptar
Pharma Company **8**

VITRONIC Machine Vision Ltd. **10**

Fill/Finish

Gateway Analytical, An Aptar
Pharma Company **8**

Lonza Pharma & Biotech **9**

Flexible Container

VITRONIC Machine Vision Ltd. **10**

Glass Containers/Products

Gateway Analytical, An Aptar
Pharma Company **8**

COMPANY CATEGORY LISTINGS

Inspection Systems

Antares Vision **8**

Brevetti C.E.A. SPA **8**

VITRONIC Machine Vision Ltd. **10**

Wilco AG **10**

Inspection Trends

Gateway Analytical, An Aptar
Pharma Company **8**

VITRONIC Machine Vision Ltd. **10**

Wilco AG **10**

Instruments & Controls

Brevetti C.E.A. SPA **8**

Labeling & Coding

Antares Vision **8**

Lyophilization

Gateway Analytical, An Aptar
Pharma Company **8**

Microbiology/ Environmental Monitoring

Parenteral Drug Association **9**

Pharmaceutical Equipment

Antares Vision **8**

Pre-filled Syringes

Gateway Analytical, An Aptar
Pharma Company **8**

Process Automation

Antares Vision **8**

VITRONIC Machine Vision Ltd. **10**

Process Validation

Antares Vision **8**

Product Development Services

Gateway Analytical, An Aptar
Pharma Company **8**

Lonza Pharma & Biotech **9**

Proteins/Peptides

Gateway Analytical, An Aptar
Pharma Company **8**

QC/QA

Gateway Analytical, An Aptar
Pharma Company **8**

VITRONIC Machine Vision Ltd. **10**

Quality Systems

Parenteral Drug Association **9**

Regulatory Affairs

Parenteral Drug Association **9**

Single Use Systems

Gateway Analytical, An Aptar
Pharma Company **8**

Software

Antares Vision **8**

Sterilization Sciences

Parenteral Drug Association **9**

Stoppers and Elastomers

Gateway Analytical, An Aptar
Pharma Company **8**

COMPANY CATEGORY LISTINGS

Supply Chain Management

Antares Vision **8**

Parenteral Drug Association **9**

Syringes

Gateway Analytical, An Aptar
Pharma Company **8**

Training Materials and Services

Parenteral Drug Association **9**

Vaccines

Gateway Analytical, An Aptar
Pharma Company **8**

Validation Services

Wilco AG **10**

Vials

VITRONIC Machine Vision Ltd. **10**

Visual Inspection of Parenterals

Antares Vision **8**

Brevetti C.E.A. SPA **8**

Gateway Analytical, An Aptar
Pharma Company **8**

VITRONIC Machine Vision Ltd. **10**

Wilco AG **10**