

PACKAGING VALLEY

Germany



PACKAGING VALLEY DAYS | 2013

April 10 – 11, 2013

Schwaebisch Hall, Germany

Packaging 2020

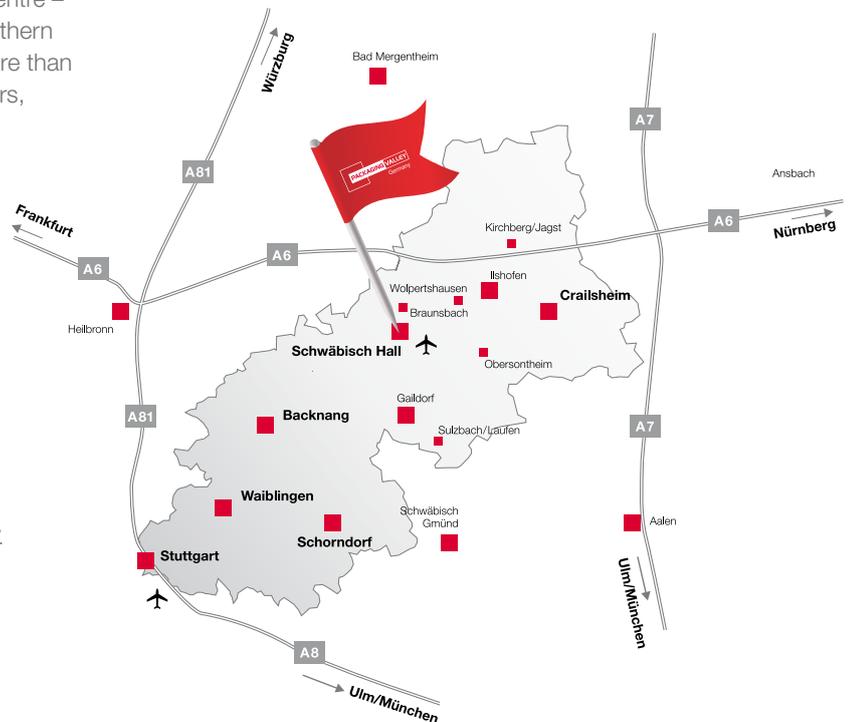
» Preface

The world of packaging machinery manufacturers has a centre – and it is located in the district of Schwäbisch Hall in southern Germany. This long-established industrial cluster with more than 40 packaging machinery manufacturers and their suppliers, among them numerous world market leaders, founded “Packaging Valley Germany e.V.” in 2007.



Bernd Hansen

President Packaging Valley Germany e.V.
CEO Hansen Group



Packaging Valley Days 2013 – close-up with future perspectives and innovation

As the president of Packaging Valley, I am honoured to offer you a warm welcome to the second Packaging Valley Days. The first conference in 2010 was so encouraging that we decided to make Packaging Valley Days a recurring event. Guests from 15 countries around the world confirmed that Packaging Valley Germany enjoys worldwide uncontested appreciation as a unique centre of competence for packaging machines.

We insist that our customers expect us – and our machines – to always be one step ahead. We invite you to take part in this high-end event to speak with us about **packaging solutions with amazing future potential**, and simultaneously address **challenges of intelligent packaging** presently in the focus of clients and trading companies.

Our **workshops** will give you ample opportunity to voice any specific requirements and concerns, as speakers with extensive practical expertise will be available for personal discussions and deliver presentations **on new materials, nationwide/international services and Industry 4.0.**

For the second part of the event, expect an even closer encounter with Packaging Valley!

Tours through the production facilities of our member companies will allow you a first-hand insight into the latest machine engineering developments and cutting-edge expertise.

Don't miss the chance to profit from this densely pooled know-how of first-class machine manufacturers. Our machines package virtually any product. Solids and liquids, pharmaceuticals, food products and cosmetics – we are absolutely confident that you will find the exactly the right partner for intelligent future-compatible packaging solutions at Packaging Valley.

Choose your Packaging Valley Tour and book a visit to our member companies following the content filled conference day. The registration form and further information on the event including speakers and topics can be found online at www.packaging-valley.com

Last but not least, we invite you to a fantastic wrap-up party in laid-back ambience in the Solpark in Schwäbisch Hall.

We are excited to having you with us and look forward to captivating encounters and great new contacts at Packaging Valley.

Sincerely yours
Bernd Hansen

President of Packaging Valley Germany e.V.

Wednesday, 10th April 2013

9:00

Get together Bausparkasse Schwaebisch Hall

9:30

Welcome: **Bernd Hansen**, President Packaging Valley Germany e.V., CEO Hansen Group

Host: **Hans-Georg Böcher**,
Director Deutsches Verpackungsmuseum e.V.

9:50

Prof. Dr. Wolfgang Wahlster

CEO and Scientific Director of the German Research Center for AI, DFKI GmbH

„Industry 4.0: Digital Product Memories for Intelligent Packaging in the Smart Factory“

10:30

Stefan Brünner

Plant Manager Procter & Gamble Manufacturing

„Challenges of Intelligent Packaging based on the example of consumer goods industry“

10:50

Coffee break

11:00

Plasma in the Packaging Industry

Dr. Jörg Ihde

Head of the group for APP-technology Fraunhofer-Institut für Fertigungstechnik und Angewandte Materialforschung IFAM

„Plasma from the basics to the application oriented research: Types of plasma, cleaning, activation and functional coatings“

11:30

Joachim Schüßler

Director Sales Germany Plasmatreat GmbH

„Industrial applications of atmospheric plasma in the packaging industry“

12:00

Lunch break

Workshops

13:30

1. Openair® plasma in practice and in the packaging industry

Host: **Joachim Schüßler**,
Director Sales Germany Plasmatreat GmbH

2. Service 2020

Host: **Matthias Mahnel**, Managing Director
IMPULS Management Consulting GmbH

15:00

Coffee break

15:30

Panel discussion: Industry 4.0

Host: **Hans-Georg Böcher**,
Deutsches Verpackungsmuseum e.V.
Participants:

- **Prof. Dr. Wolfgang Wahlster**, DFKI GmbH
- **Stefan Brünner**, Procter & Gamble GmbH
- **Gerald Wegner**, Fresenius Kabi Deutschland GmbH
- **Bernd Hansen**, Hansen Group

17:00

End

19:00

Evening event in the Kantine 26, Solpark (former Officers club) with catering, music and much more ...

» Presentations will be in English or will be simultaneously interpreted into English.

Thursday, 11th April 2013

Company tours and presentations at member companies – see page 9

» Speakers and topics

Wednesday, 10th April 2013



Prof. Dr. Wolfgang Wahlster

Prof. Dr. rer. nat. Dr. hc. mult. Wolfgang Wahlster
CEO and Scientific Director of the German Research Center for AI, DFKI GmbH, Saarbrücken, Kaiserslautern, Bremen, Berlin

9:50

INDUSTRY 4.0: DIGITAL PRODUCT MEMORIES FOR INTELLIGENT PACKAGING IN THE SMART FACTORY

Cyber-physical systems are the basis for the fourth industrial revolution, which enables low-volume production for affordable costs. The intelligent packaging serves as a memory, observer, and central agent of the production process: it specifies which production services will be used by the emergent product. The digital product memory contains the specification of the product and based on as semantic description of the production services the product selects the appropriate machines in the Smart Factory. An Internet of Things is realized by machine-to-machine communication in the factory. In this talk we present the essential components of a Smart Factory and show the business advantages of cyber-physical production. We illustrate the role of intelligent packaging using practical uses cases from food and drug industry.

10:30

CHALLENGES OF INTELLIGENT PACKAGING BASED ON THE EXAMPLE OF CONSUMER GOODS INDUSTRY

Fast moving consumer goods industry is embedded in a very dynamic business environment with strong international retail chains, demanding consumers in more and more countries and changing distribution channels. While base products only change every 2–3 years this environment triggers challenges for the packaging strategy of consumer goods companies as here agility, customer specific differentiation and distribution opportunities through new channels are generated.



Stefan Brünner

Dipl.-Ing. Stefan Brünner
Plant Manager
Procter & Gamble Manufacturing GmbH, Crailsheim
Since 1992 working in various national and international assignments at P&G. Plant Manager for the Crailsheim facility since 2011.

PLASMA IN THE PACKAGING INDUSTRY

11:00

Plasma from the basics to the application oriented research: Types of plasma, cleaning, activation and functional coatings

Plasma processes have been in industrial use for several years. Especially Atmospheric-Pressure-Plasmas (APP) reveal a high inline-compatibility and economic efficiency. In addition to plasma cleaning, APP can be used for polymer activation for coating and adhesive bonding processes. Furthermore sterilisation and deposition of functional nano-coatings can be performed by APP. These coatings can improve the barrier properties of polymers and reduce the sub-surface migration and degradation e.g. of sealing flanges or can be used for deposition of anti-bacterial nano-composites. The presentation includes an introduction in the plasma technology, an overview of plasma cleaning, activation and plasma polymer coatings, and ends with an outlook on research projects related to the packaging industry.

11:30

Industrial applications of atmospheric plasma in the packaging industry

Existing technology, generators, industrial tools

Applications

- Cleaning/Activation
- Bonding – example: folding-box
- Printing – example: pad-printing, Ink-jet
- Labeling, Tamper evident, security

Thermal Effects

- Ampullae melting
- De-flashing of plastic parts
- Sealing of foils

Medical

- Catheter, patches
- Plasma Plus possibilities
- Industrial applications, e.g. powder



Dr. Jörg Ihde

Dr. Jörg Ihde

Head of the group for APP-technology Fraunhofer-Institut für Fertigungstechnik und Angewandte Materialforschung IFAM, Bremen
Since 2008 head of the group for APP-technology, which has been awarded in 2011 with the German High Tech Champions-Award and 2012 with Joseph-von-Fraunhofer-Award.



Joachim Schübler

Joachim Schübler

Mechanical Engineer

Director Sales Germany
Plasmatreat GmbH, Birkenfeld
Application Expert, Packaging and Materials, Gluing, printing and thermal processes

» Workshops

Wednesday, 10th April 2013



Joachim Schübler

Joachim Schübler
Mechanical Engineer
Director Sales Plasmatreat GmbH,
Birkenfeld
Application Expert, Packaging
and Materials, Gluing, printing and
thermal processes

13:30

OPENAIR® PLASMA IN PRACTICE AND IN THE PACKAGING INDUSTRY

Presentation of existing projects and ideas for future applications.

» Tests with a Plasma system in order to show the function

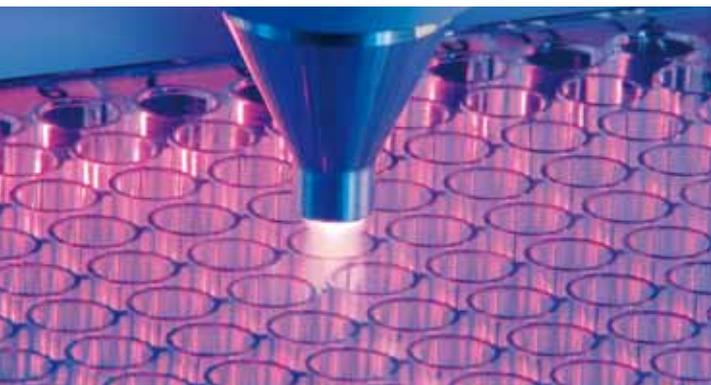
- Evaluation of the surface tension with test inks, before and after a plasma treatment
- Measurement of the contact angle and showing the relationship with the wettability

» Adhesive bonding tests on plastic surfaces

- Adhesion test on PP substrates with adhesive tape application
- Adhesion test at different plastic parts with Hot-Melt-Adhesives

» Plasma as a precise heat source

- Thermal influence of sealable materials
- De-flashing of injection- and blow-moulding components



Company reports from science and practical experience

Fraunhofer-Institut für Fertigungstechnik
und Angewandte Materialforschung IFAM

Dr. Jörg Ihde

Head of the group for APP-technology

BPS Packaging Solutions Willy Bader GmbH

Willy Bader

Managing Director



Matthias Mahnel

Matthias Mahnel
Dipl. Kaufm.

Managing Director IMPULS
Management Consulting GmbH,
Munich-Pullach
20 years of experience in service
consulting and conception and
implementation of over 200 global
services growth strategies with
leading mechanical engineers. Part-
ner in many service boards, such
as VDMA and author of numerous
service books and service studies.

13:30

SERVICE 2020

» Service – the pearl of the capital goods industry

- Today's meaning of service
- Service trends 2020 – future development of the after sales service
- Service as a strategic business unit
- Factors of success for a profitable service business
- Challenges and needs for action in the service business
- Service strategies for a best-in-class service



Company reports bases on practical experience

Kocher-Plastik Maschinenbau GmbH

Bernd Hansen

CEO Hansen Group,
President Packaging Valley Germany e. V.

Martin Schneider

Managing Director

Thomas Grau

Service Director

OPTIMA consumer GmbH

Martin Sauter

Managing Director

HEITEC AG

Ralf Richter

Business Development

» Panel discussion: Industry 4.0

Wednesday, 10th April 2013

15:30

**WHAT ARE THE CHANGES THAT WE EXPECT?
HOW CAN WE USE THIS OPPORTUNITY IN OUR COOPERATION?**



Prof. Dr. Wolfgang Wahlster

CEO and Scientific Director of the
**German Research Center for AI,
DFKI GmbH**
66123 Saarbrücken



Stefan Brünner

Plant Manager
**Procter & Gamble
Manufacturing GmbH**
74564 Crailsheim



Bernd Hansen

CEO
Hansen Group
74429 Sulzbach-Laufen



Gerald Wegner

Vice President GO Generics &
Standard Solutions
Technology Center, **Fresenius Kabi
Deutschland GmbH**
61169 Friedberg



Hans-Georg Böcher

Host
Director
Deutsches Verpackungs-Museum e.V.
69117 Heidelberg

Expert for design in numerous juries, among them "Package of the Year". In many published essays and books, he discusses questions of brand management, brand design and brand history.

Thursday, 11th April 2013

Please select your personalized company tour when registering.

COMPANIES	ACTIVITIES/PRESENTATIONS
BREITNER Abfüllanlagen GmbH	<p>We are showing (focus: jerry can and trigger bottles)</p> <ul style="list-style-type: none"> - Compact bottle unscrambler with hook turning system (no drop shaft) 200 btl./min. - Linear mass flow filling machine 7 heads with servo controlled diving bridge - Linear capper for containers 0,5-30 liters; synchronized horizontal axis moves with containers (no stop) - Full servo single head capping machine for triggers, dispensers and asymmetric caps ... <p>Our guest STAKO GmbH:</p> <ul style="list-style-type: none"> - Syringe labelling machine - Syringe transport conveyor - FAM 200 bottle orientator - KF 1100 clamping conveyor - Rotary table
E + K Sortiersysteme GmbH	<p>Presentation of sorting and feeding systems for pharmaceutical packaging devices in aseptic environments</p>
holopack Verpackungstechnik GmbH	<p>Pharma 2020 – Ultra modern Manufacturing Building for aseptically filled products under GMP regulations using bottelpack® aseptic systems.</p> <ul style="list-style-type: none"> - CIP units in operation under regulated conditions - Examples for qualification and validation of equipment <p>Our guest HEITEC AG:</p> <ul style="list-style-type: none"> - Mobile service support – New innovative solutions
Ishida GmbH	<p>Complete weighing, packing and quality control solutions for food and non-food applications</p>
kocher-plastik Maschinenbau GmbH/ rommelag Kunststoff-Maschinen Vertriebsgesellschaft mbH	<p>blow-fill-seal bottelpack® Aseptik Systems in all output categories</p> <ul style="list-style-type: none"> - Filling of sterile liquids (Infusions, Injectables, Eyedrops, Inhalations, ...) - Application laboratory for new developments, bottelpack® Training Center, ...) - CIP Units - Vial Inspection Machines (VIM) <p>Our guest so-matec epple GmbH:</p> <ul style="list-style-type: none"> - Vertical cartoning machine in half and fully automatic implementation - Conveyor technology - Format shifting units „STELLMAX“
OCS Checkweighers GmbH	<ul style="list-style-type: none"> - Quality control through checkweighers, catchweighers, print & verify systems for Track & Trace applications, X-ray scanners and metal detectors
OPTIMA consumer GmbH	<ul style="list-style-type: none"> - Machinery for the production of coffee pads and capsules with integrated form fill and seal machine for final packaging - OPTIMA SoftCanMaker for the production of recloseable softcans - Cartoning technique for cosmetic and OTC products <p>Our guest Popp Maschinenbau GmbH:</p> <ul style="list-style-type: none"> - Demonstration of a special machine for inserting print and media products by packaging lines
OPTIMA nonwovens GmbH	<ul style="list-style-type: none"> - High speed bag filling and sealing machine for prepackaged hand towels - High speed packaging line for baby diapers
OPTIMA pharma GmbH	<ul style="list-style-type: none"> - Machinery for sterile processing of nested syringes and vials - Machinery for non-sterile processing of bottles and proprietary containers <p>Our guest itek GmbH:</p> <ul style="list-style-type: none"> - Presentation of Pharma-Transport-System (PTS). Transport of syringes and other containers of glass and plastic for linking production machines
R.WEISS Verpackungstechnik GmbH & Co. KG	<p>R.WEISS visitors will be informed about the modular UNIROB Toploading Systems and on the design and delivery of turnkey lines including associated materials handling and transport logistics</p>

Additional information on individual member companies on the following pages.

» Participating members



BREITNER Abfüllanlagen GmbH

Filling, closing and labeling machines for liquids in stable containers for the food, chemical and cosmetic industries

Daimlerstraße 43 | 74523 Schwäbisch Hall
☎ +49 (0) 791 950350 | Fax +49 (0) 791 51584
» info@breitner.de » www.breitner.de



E + K Sortiersysteme GmbH

Expert for sorting & storage technologies, vibration drives, feeding systems and assembly automats

Rudolf-Diesel-Str. 2 | 74592 Kirchberg/Jagst
☎ +49 (0) 7904 97980 | Fax +49 (0) 7904 9798-10
» info@ek-gmbh.de » www.ek-gmbh.de



HEITEC AG

HEITEC has represented solution, engineering and industry competence in the fields of software, mechanics and electronics for nearly 30 years

Brunnenstraße 36 | 74564 Crailsheim
☎ +49 (0) 7951 9366-0 | Fax (0) 7951 9366-66
» info@cra.heitec.de » www.heitec.de



Ishida GmbH

Complete weighing, packing and quality control solutions for food and non-food applications

Max-Planck-Straße 2 | 74523 Schwäbisch Hall
☎ +49 (0) 791 94516-0 | Fax +49 (0) 791 94516-99
» info@ishida.de » www.ishida.de



itek GmbH

Design and development for special machine engineering with focus on packaging technology. Transport systems for pharmaceutical containers

In der Eich 10 | 74523 Schwäbisch Hall
☎ +49 (0) 791 946094-1 | Fax +49 (0) 791 946094-9
» info@itek-gmbh.de » www.itek-gmbh.de



kocher-plastik Maschinenbau GmbH

Blow-Fill-Seal bottelpack® and bottelpack® CoEx aseptic – systems for filling liquids, full service contract manufacturing, qualification and validation service

Talstraße 22-30 | 74429 Sulzbach-Laufen
☎ +49 (0) 7976 80-0 | Fax +49 (0) 7976 80-100
» mail@kocher-plastik.de » www.kocher-plastik.de

rommelag Kunststoff-Maschinen Vertriebsgesellschaft mbH

Mayennerstr. 18-20 | 71332 Waiblingen
☎ +49 (0) 7151 95811-0 | Fax +49 (0) 7151 15526
» mail@rommelag.de » www.rommelag.com

holopack Verpackungstechnik GmbH

Bahnhofstraße | 74429 Sulzbach-Laufen
☎ +49 (0) 7976 98800 | Fax +49 (0) 7976 1014
» mail@holopack.de » www.holopack.de



OCS Checkweighers GmbH

Quality control through checkweighers, catchweighers, print & verify systems for Track & Trace applications, X-ray scanners and metal detectors

Max-Planck-Straße 7 | 74523 Schwäbisch Hall
☎ +49 (0) 791 94620 | Fax +49 (0) 791 9462100
» info@ocs-cw.com » www.ocs-cw.com



OPTIMA consumer GmbH

Packaging machines for food, cosmetic and chemical products. (Solutions for thin liquids to pastes and for powders granulates.)

Geschwister-Scholl-Str. 89 | 74523 Schwäbisch Hall

☎ +49 (0) 791 94606-1000

Fax +49 (0) 791 94606-1019

» info@optima-consumer.com

» www.optima-packaging-group.de



OPTIMA nonwovens GmbH

Packaging machines for the nonwovens industry. Optima stands for innovation in the sectors of home, infant and personal care and end-of-line automation

Steinbeisweg 20 | 74523 Schwäbisch Hall

☎ +49 (0) 791 5060 | Fax +49 (0) 791 5061327

» info@optima-nonwovens.com

» www.optima-packaging-group.de



OPTIMA pharma GmbH

Innovative range of filling machines for pharmaceutical products, e.g. sterile liquids and powders, non-sterile liquids and powders, pharmaceutical freeze-drying, isolation and containment technology

Otto-Hahn-Str. 1 | 74523 Schwäbisch Hall

☎ +49 (0) 791 9495-0 | Fax +49 (0) 791 9495-2610

» info@optima-pharma.com

» www.optima-packaging-group.de



Popp Maschinenbau GmbH

Special machines for the packaging industry; controlled feeder machines for print and media products in packaging lines

Wittauer Straße 8 | 74564 Crailsheim

☎ +49 (0) 7951 2960960 | Fax +49 (0) 7951 42967

» info@popp-maschinenbau.de

» www.popp-maschinenbau.de



R.WEISS Verpackungstechnik GmbH & Co. KG

UNIROB-Toploading-Machines, Carton erectors and closing machines, Palletiser, Planning and Engineering

Zur Flügelau 28/30 | 74564 Crailsheim

☎ +49 (0) 7951 9192-0 | Fax +49 (0) 7951 9192-77

» packaging@r-weiss.de » www.r-weiss.de



So-matec epple GmbH

Cartoning machine, lid closing machines, case openers, placement units (STELLMAX), longitudinally adjustable conveyors, machines for the pharmaceutical- and food industries

Eisbachstraße 48/1 | 74429 Sulzbach/Laufen

☎ +49 (0) 7976 921000

Fax +49 (0) 7976 9210020

» info@somatecepple.de » www.somatecepple.de



STAKO GmbH

Broad range of conveyors and special machines for the pharmaceutical, food and cosmetic industries

Frankenstraße 5 | 74549 Wolpertshausen

☎ +49 (0) 7904 944680-0

Fax +49 (0) 7904 944680-19

» stako-wolpertshausen@t-online.de

» www.stako.net



www.schwaebischhall.de

Cluster of competence.

Visitors to the industrial cluster between Schwaebisch Hall and Crailsheim are always amazed at the remarkable density of high tech companies in the region. And undoubtedly, Packaging Valley can proudly boast a globally unique concentration and competence in the manufacturing field of packaging machinery. Along the A6 motorway, the major manufacturers are located only a few minutes' drive apart.

FIGURES AND FACTS AROUND PACKAGING VALLEY GERMANY E.V.

- Approx. **7,000** people employed in the sector of packaging machine manufacture
- **38** member companies (status of December 2012)
- Portfolio and technologies:
Chemistry, services, print and media products, cosmetics, air and water technologies, dairy products, food, paper hygiene, pharmaceuticals, sales and project management
- Export rate: over **80 percent**



» Registration

PACKAGING VALLEY

Germany



Registration:

www.packaging-valley.com

For questions and additional information, please contact us

Mo. through Fr. from 8 am to 12 pm

at +49 (0) 791 5801-25

Participation fee

550,- EUR per person incl. catering and program

or **500,- EUR** for registrations

before **February 28, 2013**

Registration deadline: 15. March 2013

Location of the Symposium

Bausparkasse Schwaebisch Hall AG

Crailsheimer Str. 52

74523 Schwaebisch Hall

Hotel

Contingent hotel reservations have been made.

More information upon registration.

» Members

PACKAGING VALLEY

Germany

