

Newsletter

A publication of SPE European Thermoforming Division - www.e-t-d.org

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WELCOME TO THE SUMMER EDITION OF YOUR NEWSLETTER

“10TH EUROPEAN THERMOFORMING” CONFERENCE ‘Evolution Thermoforming Development’

10 - 11 MARCH 2016
SITGES (BARCELONA)



We are delighted to announce our 10th conference is to be held in the picturesque coastal city of **Sitges (Barcelona), Spain**. The European Thermoforming conferences have been serving the Thermoforming Industry for over 20 years and have become known as the most important industry event in Europe but which attracts professionals from around the World.

We strongly urge you not to miss one of the few global events that enable you to **raise your industry profile** to those that matter – a captive audience of true industry professionals.

Our sponsorship deals offer **excellent value** and enable you to enjoy maximum impact at this highly prestigious biennial event. When you support the Conference through sponsorship you obtain major recognition and exposure to the attendees.

Your company details appear not only on all the advertising medium leading up to the conference but also enjoy high profile positioning during the conference including instant rolling electronic displays.



Sponsors will have the opportunity to make a 10 min. commercial presentation to hundreds of industry professionals all eager to learn of your latest technical developments. Your company information and logo will be posted on the ETD website for a period of 2 years after the event. This represents potentially a massive return for a moderate investment. Additionally, you may wish to consider a Tabletop within the exhibition area, but these are limited in availability and would suggest that, to avoid disappointment, an early application is recommended.

May we take this opportunity to thank you in advance for supporting the efforts of all those involved in raising the profile of Thermoforming, we look forward to meeting with you in Sitges (Barcelona) in 2016!

Marek Nikiforov, Chair ETD



10TH EUROPEAN "THERMOFORMING" CONFERENCE 10 – 11 MARCH 2016 – SITGES (BARCELONA), SPAIN

The Theme of the conference will be:
'Evolution - Thermoforming - Development'

Why Attend?

This conference allows you to keep a finger on the pulse of evolutions in the Thermoforming world. In addition to the technical presentations, we also offer the opportunity for companies to present their products and services by means of Tabletop displays.

During past conferences, we've had the pleasure of welcoming colleagues from a mix of material, tooling and equipment suppliers, converters and end-user product manufacturers.

Who should attend?

- Thermoformers
- OEM's
- Machinery Producers
- Tooling Suppliers
- Film and Sheet Suppliers
- Resin Producers
- Recyclers

Conference Highlights

- Keynote Presentations
- Technical Sessions on Thin Gauge
- Technical Sessions on Heavy Gauge
- Workshops
- Exhibition
- Networking Events
- Parts competition

This conference is the ideal venue for networking and establishing contacts throughout the industry worldwide.

What makes ETD Conference different ?

The main objective of ETD is to create a platform that encourages industry participants to share and transfer technical knowledge and expertise. Technical speakers and presentations are carefully selected to provide the maximum value.

Workshops and Technical Sessions:

Our programme includes technical presentations by recognized industry experts, featuring new developments in our industry.

Sponsors and Exhibitors:

These are the only opportunities for direct marketing of your products or services to the only Thermoforming Industry specific Conference in Europe.

We advise you not to miss out this unique opportunity!

Parts Competition:

The essential points of the Parts Competition are the design-orientated application of materials and the successful combination of technical innovation and design quality.

The participating Parts will be on display at our conference and the winners will be announced during lunch

Gabriel Bernar, Conference Chair

Further Information about the Conference Programme, Sponsorship and Exhibition opportunities, the Training Course and the Parts Competition may be obtained from:

Yetty Pauwels

Society of Plastics Engineers – European Thermoforming Division

Eric Sasselaan 51, BE – 2020 Antwerpen, Belgium

Tel: +32 3 541 7755 – E-mail: spe.etd@skynet.be / www.e-t-d.org

6TH EUROPEAN THERMOFORMING PARTS COMPETITION

On the occasion of the next conference of the Society of Plastics Engineers – European Thermoforming Division from 10 to 11 March 2016 in Sitges (Barcelona), Spain, thermoformers are invited to participate in the 6th European Thermoforming Parts Competition.

Originality, creativity, mould complexity and technical ability will be the judging criteria in order to promote advanced design and developments from a structural innovation perspective.

Entries with **Thick gauge parts** will be possible in the categories:

Vehicle/Automotive, Industrial, Point of Purchase/Displays, Technical Applications and Sanitary.

Thin gauge parts will be judged in the categories:

Food Applications, Medical Applications, Electronical Applications and General Packaging.

The essential points of the European Thermoforming Parts Competition are the design-orientated application of materials and the successful combination of technical innovation and design quality.

Exceed the bounds of materials applications, present new application opportunities, combine the traditional with the innovative, take new steps in combining material and design to present the importance of materials for a design-orientated application: these are the aims of the *European Thermoforming Parts Competition*.

The award winners will be presented at the 10th Biennial European Thermoforming Conference. This 2-day conference will be held in **Sitges (Barcelona), Spain on 10 – 11 March 2016**.

We look forward to receiving your contribution to the **6th European Thermoforming Parts Competition 2016!**

More details are available at www.e-t-d.org

Niklas Magnusson

Chair Parts Committee

Tel: +46 142 80631

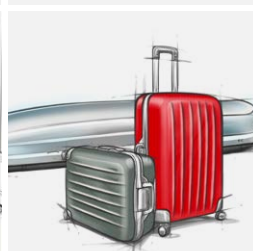
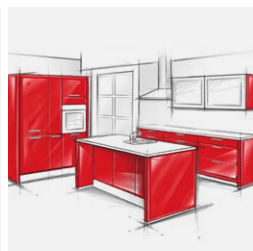
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T +52 422 19 4600 · office@senoplast.com.mx · www.senoplast.com

10 - 11 MARCH 2016 SITGES (BARCELONA)

CONFERENCE REGISTRATION FORM 10TH EUROPEAN THERMOFORMING CONFERENCE



- I will attend the Welcome Reception 9th March I will attend the Conference Dinner 10th March
 I will be bringing my Spouse My Spouse will join the Spouse programme (Participation fee for Spouse: € 150)

Name
Company
Address
Postcode City
Country
Phone E-mail

- SPE member: membership No. non SPE member

Advance Conference registration fees, valid till 25th January 2016

- SPE-member € 675 € 875 (incl. 2 years SPE membership renewal)
 Non SPE-member € 875 (incl. 2 years SPE membership)

Note: an extra surcharge of € 100 will apply after 25th January 2016.

Conference fee includes Welcome Reception, Lunches for both days and Conference Dinner. Please note hotel room is not included.

Spouse's fee: € 175 including Welcome Reception, Conference Dinner and Spouse programme.

Student's fee: € 100 including Welcome Reception and Conference Lunches.

- Thermoforming Training Workshop on 9th March: € 275**, fee includes lunch.
 Tabletop display: SPE member € 1.450 Non SPE member € 1.650 (incl. 2 years SPE membership).
Fee includes full conference registration for 1 person
 Sponsorship: please send details regarding Sponsorship.

Payment, money transfer preferred to: Rabobank, Venray, Netherlands, Account: 15.39.89.297
BIC: RABO NL2U **IBAN:** NL11 RABO 0153 9892 97
European Thermoforming Division, Oostsingel 16, 5802 AN Venray

Please charge the following credit card: Visa / MasterCard

Card Type Card no.
Expiry date - validation code (3 digits on reverse)

**IF THE NAME AND ADDRESS OF THE CARDHOLDER IS DIFFERENT FROM ABOVE
PLEASE INDICATE THE CARDHOLDER'S NAME AND ADDRESS:**

Signature

Please email this form with payment details to: spe.ETD@skynet.be

Society of Plastics Engineers, European Thermoforming Division, Eric Sasselaan 51
BE-2020 Antwerpen, Belgium - Tel: +32 3 541 7755 - www.e-t-d.org



10 - 11 MARCH 2016 SITGES (BARCELONA)

CONFERENCE SPONSOR FORM 10TH EUROPEAN THERMOFORMING CONFERENCE



Name	<input type="text"/>		
Company	<input type="text"/>		
Address	<input type="text"/>		
Postcode	<input type="text"/>	City	<input type="text"/>
Country	<input type="text"/>		
Phone	<input type="text"/>	E-mail	<input type="text"/>

WE WOULD LIKE TO SUPPORT YOUR CONFERENCE BY:

Making a Sponsorship Donation of € 2.000 *
Includes a 10 minute commercial presentation, company information and logo will be posted on the ETD website for a period of 2 years, your logo will appear on the PR flyers as well as enjoying prime exposure at the conference.

*** Note: Sponsorship does not automatically entitle the individual to attend the conference.
A fee of € 675 for SPE members and € 875 (incl. 2 years SPE membership) for non-members will apply to Sponsors who wish to attend the conference.**

Taking a Tabletop Display at:

€ 1.450 - SPE member: membership No.
(incl. conference registration for 1 person)

€ 1.650 - non SPE member
(incl. conference registration for 1 person and 2 years SPE membership)

Making a Sponsorship Donation and taking a Tabletop Display at:

€ 3.150 (instead of 3.450) - SPE member: membership No.
(incl. conference registration for 1 person)

€ 3.350 (instead of 3.650) - non SPE member
(incl. conference registration for 1 person and 2 years SPE membership)

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Card Type	<input type="text"/>	Card no.	<input type="text"/>
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**IF THE NAME AND ADDRESS OF THE CARDHOLDER IS DIFFERENT FROM ABOVE
PLEASE INDICATE THE CARDHOLDER'S NAME AND ADDRESS:**

Name of the conference delegate	<input type="text"/>		
Signature	<input type="text"/>	Date	<input type="text"/>
		Position	<input type="text"/>

Please email this form with payment details to: spe.etc@skynet.be

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2014 CONFERENCE SPONSORS



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NPE EXHIBITION ORLANDO, MARCH 2015

NPE was held in Orlando and the main two halls used South and West had a vast number of exhibitors from all aspects of the plastics industry. The hope was around 60,000 visitors, the actual numbers are not available at present when this article has been written but the traffic through the two main halls was high. (see photos)
SPE Also held their ANTEC Conference in conjunction with the NPE and they had a registered attendance of 1,500 which is up on their last year's conference.

My main aim during the exhibition was to visit companies that were involved in the thermoforming industry, from machinery manufacturers for thermoforming, extrusion and tooling.

Many companies had new equipment on show and listed below are some of the items I saw during my visit.

Brown Machine were showing their new Elite Series line of Servo Driven Horizontal Trim Presses equipped with a multitude of innovative cutting edge features for achieving greater speeds, superior precision trimming, longer tool life, ease of maintenance and faster changeover times. To complement Brown Machine's technological leading Quad Series Thermoformers, this year's focus is to elevate the trim press capabilities. The Elite Series is capable of high speeds in excess of 175 strokes per minute and fast changeover times of less than 30 minutes.

Lyle Industries introduced their new SS454 thermoformer with dual servo drives on each platen. They were showing a 54 inch (1.371 metre) forming station that is designed for high speed mould closure all run by a Mitsubishi Electric Automation system.

There is a lot of things happening in the world of Brown at present, their parent company Thermoforming Technology Group LLC (TTG) had purchased Lyle Industries and during the course of 2015 they are moving Lyle Industries into the same complex of Brown Machine. Brown had built a new extension and this is where Lyle will be located. The combined companies will trade as separate entities but will have the benefit of the combined strength of the group.

TTG also announced that the agreement between Gabler Thermoform GmbH @Co KG of Lubeck Germany which has been with Lyle Industries in the past is now an agreement between Brown, Lyle and Gabler. Jim Robbins Vice President of Sales and Marketing of Brown Machine could see many benefits of the new arrangements.

It was also announced the Jim Robbins after being employed at Brown Machine for 34 years was taking retirement at the end of April 2015. No replacement has yet been announced but it is expected to be known in the next few weeks. MAAC Machinery were promoting their expertise in heavy gauge thermoforming and their unique involvement in the manufacture and sale of rotary thermoforming machines, three and four station as well as twin sheet rotary thermoforming

machines. One of the largest rotary thermoforming machines ever made for the very large formed parts for the agricultural machinery sector has just been delivered to a major thermoformer in Europe. The machine is in the process of being commissioned and will be operational in April. The products to be made on this machine are parts in the region of 3 metres by 2.5 metres and will be for use in the agricultural machinery market.



Uway Calendaring Roll Stand



One of the unique areas seen during my visit was to a company called Uway Extrusion, a manufacturer of customized extrusion systems, exhibited the largest calendaring roll stack ever shown in NPE's 69-year history. The calendaring roll stack standing 4 meters tall was designed to produce HDPE at a rate of 2.2 tons per hour with a finished sheet width of 3.1 meters. Also on display were a 120mm HDPE extruder with an output rate of 1.1 tons per hour and a 40mm co-rotating twin screw. Specializing in engineering and building fully customized turnkey extrusion systems. Uway Extrusion is based out of Indiana USA at present but is in the process of relocating its operations to Ohio USA during the Summer of 2015.

It was a good exhibition and showed that the industry is vibrant both in the orders being placed but also in the confidence being shown by all companies by their commitment to introduce new products and innovations at this time

Ken J Braney

Plastics Machinery Group International Ltd

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June 11, 2015



SPE European Thermoforming Division

Yetty Pauwels - Newsletter Editor

Eric Sasselaan 51, BE-2020 Antwerpen, Belgium

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KIEFEL KMD 90 – A NEW DIMENSION

The SPEEDFORMER KMD 90 pressure forming machine opens up a new dimension for the production of plastic packaging items ensuring a higher productivity due to fast cycle times and larger forming area.

No matter whether you want to process PS, OPS, PP, PE, PVC, PET, PLA or CPET, the KMD 90 combines high performance with high quality and guarantees an excellent return on your investment.

The elaborate design presents some special features: new high output ceramic heaters enable fast and efficient energy absorption into the sheet promoting increased cycle speeds with a smaller oven footprint. The servo driven forming station offers a servo 3rd motion plug drive available for either the upper, lower or both platens depending on tool configuration. Increased press tonnage combined with a larger forming area allows for maximum production output. Another special feature is the ability to accept most quick change tool packages permitting easy acceptance of existing tools. Tool loading is accomplished with the use of a unique tool elevator located between the form and cutting station. Our ergonomically designed tool loading elevator promotes fast tool change overs to get your machine back in production with ease.

The SPEEDFORMER owes its precise accuracy to the combination of kiss cut technology, servo position control and our patented torsion rods. This feature promote increased knife life, reduced set-up time as well as improved part quality by eliminating particulate created during the cutting cycle. The trim stations high cutting force is also a remarkable feature, permitting a large amount of knife area ensuring excellent utilization of the large tool format.

A servo driven Down Stacker places finished products in predetermined stack heights on a conveyor belt below the film level. The conveyor is installed in the index direction to reduce overall floor space while providing a safe and ergonomically advantageous packing area to reduce operator fatigue and promote a safe working environment.

A Siemens Simotion control system and touch screen completes the picture for easy machine operation. The intuitive HMI allows for quick navigation from screen to screen, giving flexibility to control the process from day one. If assistance is needed to help configure a product recipe, our Computer Aided Teaching program will fill in the blanks.

The CAT program will automatically configure the machine settings just by answering a few basic questions.

Servomotors driving all machine movements and a pin chain below the film level are crucial for hygienic production. Eliminating the air required during each machine cycle coupled with our energy recovery system decreases the machines overall energy consumption making the KMD 90 one of the most profitable machines on today's market.

The KMD 90 provides an excellent platform to reduce the overall cost of producing thermoformed products. The decreased scrap area, reduced amount of energy consumed, minimal change over and tool debug time are realized from day one. These factors combined with our Increased forming area, cycle speed, part quality and machine through-put make the KMD 90 an easy choice when looking for your return on investment.



Image: Pressure Forming Machine KMD 90 SPEEDFORMER

Fact Box

Technical Data KMD 90

Forming area max.	34" x 36" / 865 x 915 mm
Forming area min.	14" x 13.8" / 355 x 350 mm
Tool dimensions max.	35" x 37" / 890 x 940 mm
Tool weight max. per table	1300 lbs / 600 kg
Height of formed part above / below Film level max.	6.30"/ 6.30" / 160/160 mm
Film width max.	36.40" / 925 mm
Operating pressure	72.5 psi / 5 bar
Dry-cycle speed max.	40 cycle/min

Mission Statement

It is the purpose of the European Thermoforming Division to stimulate and diffuse knowledge of all aspects of the Thermoforming industry.

This will be achieved by providing conferences, training seminars and regular topical news bulletins. It will provide a dynamic network platform and encourage and promote technical and scientific participation by its members



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T +49 8654 78 0
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