

ISSUE no. 7, may 2015

# IMPROVEMENTS

Latest news on COLINES® technological developments



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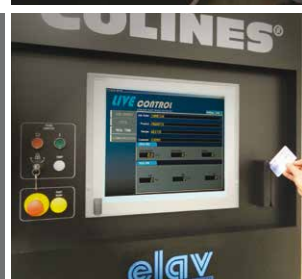
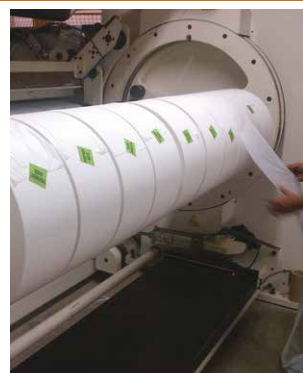
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# PLAST 2015

## SPECIAL EDITION



### DEAR CUSTOMERS,

Two years after the K2013 show we can declare that, as from the second half of 2014, the market began to show moderate signs of an upturn.

To say the truth, at least in our opinion, this upturn is referred to some geographical areas in particular, mainly oriented towards high technological level machines, especially designed for innovative or high-volume products that are characterized by energy saving, user-friendly management and high production speeds, thus ensuring a more convenient cost/benefit ratio.

In this significant period, **COLINES®** has really excelled in its activity field and today can boast an order portfolio covering more than one year, distributed over many countries worldwide.

This result has been achieved by investing significant financial resources in the development of new technologies, combined with the recruitment of new staff in the technical and technological departments (taking advantage of the synergies resulting from the associated companies belonging to **B-PACK® HOLDING**).

Other improvements include the staff integration with experienced area managers and technicians dedicated to after-sales service - based in strategic European countries as well as India, Far East and Latin America - which has always been a flawless strength, as demonstrated by the full satisfaction of our customers.

All this without any negative impact on the financial soundness of our companies (operational and non-operational), as evidenced by our balance sheets!

Inter alia, even our national TV has recognized our well-deserving market leadership, so much that they decided to produce and broadcast, also worldwide on RAI INTERNATIONAL, an impressive service on our activity (see [www.rai.tv](http://www.rai.tv) > RAI3 > TGR Prodotto Italia > 21/02/2015 or scan the QR code to see the video)



Today we can boast a high-level clientele and high-end competitors as well and this continuous challenge represents a further incentive to improve.

To briefly summarize, amongst our top-notch lines that have undergone the deepest innovation in this last period, we can mention the cast stretch film extrusion lines of the **ALLrollEX®** series (with many patented components and very low consumptions from 0,37 kW/kg); the CPP extrusion lines of the **POLYCAST®** series, offering high technological and production features, considered the market benchmark. The **BUBBLE GUARD® BOARD** lines, with improved performance and patented process, whose product is of exceptional utility in the graphics, automotive, logistics and building industry. Equally worthy of mention are the lines to produce elastic film for hygienic applications of the **DIAPERCAST+ELASTIC®** series, combined with the consolidation of the technology applied to the **DIAPERBLOWN®** lines to produce in-line melt-embossed film.

Besides all these innovations we have further implemented the performance of the **BARRIERCAST®** lines to produce barrier film, thus entering new markets.

Regarding our range of extrusion machinery for the production of magnetic gaskets for refrigerators and relative molds for welding machines, we have reconfirmed our good position in the markets of Asia and Northern Africa, while we have achieved an even better result in terms of sales in Western Europe, Romania, Russia and Belarus.

Finally, thanks to the special care of the **ELAV®** technical team, we have further developed the LIVE system, which can be applied in factories where also other extrusion lines are in operation and permits to manage, even remotely, all the process and production parameters.

**...there are, of course, many other things to tell you, so we  
will be glad to welcome you at our booth A01/B02,  
Hall 15 during the next PLAST exhibition in Milan.**

*Eraldo Peccetti*  
CEO & Partner



## ALLrollEX®: THE NEW BENCHMARK FOR CAST STRETCH FILM LINES TECHNOLOGY

During the latest K2013 show **COLINES®** presented - first in the world - a 1500mm cast stretch film line able to produce in line all 3 reel types and since then many lines have been installed worldwide from Asia through Europe, Africa, Middle East to the Americas. During said world première, all the other machine suppliers were sceptic about the future of that stretch line width, but today the same width has become so requested that practically all machine suppliers are trying to offer it.

The secret of the success of the **ALLrollEX®** line is that from the very beginning this project was not considered as half of a 3 m line neither a narrowed 2 m line or whatever "mini" or "baby" version, but a completely new project and a new concept in stretch film lines engineering. Compared with the line introduced at the latest K 2013, **COLINES®** upgraded and developed so many features on the same line, thus achieving today's state-of-the-art **ALLrollEX®** line.

- Today all our **ALLrollEX®** lines produce 5-layer structures with 4 extruders equipped with IR heaters for low energy consumption (average consumption of the line 0.4 kW/Kg).
- The installed power of 720 kW is the lowest available on the market for a line equipped with 4 extruders with a net output of 1000Kg/h.
- Patented **ConveySmart®** conveyers for extruders boast the lowest possible power consumption on the market - total approx. 4kW (for all the 4 extruders).
- The single chill roll, diam 1400mm is designed for energy saving and features a motorized cleaning roll positioning, so the frost line can go down to 5 o'clock, which is an extremely important factor for super power film production.
- The dual chamber vacuum box with 2 fans with inverters permits a perfect control of the air, as required for the film stabilization when the frost line is so low.
- The thickness control systems used are by X-rays (for colored films) or IR rays (for transparent products).

The **ALLSPEEDY®** winder, with 7 patents, for both 2" and 3" cores, allows to:

- Produce rolls from 150 m of length on a 140 g 2" core up to 400 mm diameter on a 3" core, with no tail thanks to our patented system;
- Run the following formats: 6x250 mm, 5x300 mm, 3x450 mm, 3x500 mm and 2x750 mm;
- Run different formats at the same time like, for example, 1x750 mm + 3x250 mm, a unique feature in the world.

The **BIGMOUTH®** recycling system (total consumed power 4 kW) allows to:

- Recycle edge trims in line when running thin metallocene films 8, 10 or 12 mic. (without gels);
- Run 450 mm wide reels with wider trims without deckling the die (impossible operation with a standard size scraptruder or a side extruder);
- Run on max possible line output - impossible when using vertical scraptruder.

Thanks to the Cube design the space floor needed for an **ALLrollEX®** line is approx. 90 sqm.

## NEWS

### ALLrollEX® 3000

**COLINES®** has manufactured, test-run and sold the 3000 mm wide version of the **ALLrollEX®** series, capable of producing more than 2100 kg/h of Power film as well as 10 micron film even at speeds of over 600 m/min. This machine is distinguished by the fact that the two winding units of the **ALLSPEEDY®** series are placed one on top of the other, which permits to have only one core loading and reel unloading point, and thus to really manage the line with the minimum staff. The line can therefore produce, like all the machines of the **ALLrollEX®** series, hand, machine and jumbo reels, on 2" and 3" cores, both of the traditional and of the "thin" type; for instance, in case of 2" shafts, you can wind up even on cores with a weight of 140 gr.



# CROSSING THE OCEAN TO THE USA

2015 will be an outstanding year for **COLINES®** in the U.S. market. Following the constant growth of **COLINES®** extrusion lines in that market, during 2015 we will install 4 lines on the U.S. territory. A state-of-the-art **BUBBLE GUARD® BOARD** line will be set-up at the leading company PRIMEX PLASTICS Corporation, with headquarters in Richmond, IN. It is the first of its kind in the North American territory and it has been designed with the latest technological solutions for the production of high quality multipurpose alveolar sheets. This **BUBBLE GUARD® BOARD** line will be equipped with 3 extruders to allow the maximum flexibility in the production of all different types of **BUBBLE GUARD® BOARD** sheets. The line also includes the 4th and 5th layer lamination units, which will permit PRIMEX PLASTICS Corporation to deliver two sides laminated boards with a wide variety of materials.

The well-known **ALLroliEX®** cast stretch film line has landed in the U.S. territory and will be set-up at a leading company in the plastic industry. It is the first line by **COLINES®** with this company, who decided for the **ALLroliEX®** after seeing in operation at the K2013 all the advantages of our proposal. The **ALLroliEX®** line is a 6-UP / 3000 mm version designed for a net production of 2100 kg/h and a thickness range from 8 to 30 microns. It incorporates all the key solutions that made our **ALLroliEX®** series a best seller in the market since its first appearance in 2013, such as:

- New **PERFORMEX®** extruders with low energy consumption;
- New **CONVEYSMART®** necks for great energy saving;
- Chill roll unit with primary big diameter chill roll Ø 1400 mm;
- 4th generation **BIGMOUTH®** cold refeeding system for edge trims;
- **ALLSPEEDY®** III all-in-one winder, covered by 7 patents, to allow the production of manual (2" or 3" cores), machine and jumbo reels.



Great satisfaction was reported by the customer during the long test-run at the **COLINES®** factory when processing their special "secret" recipe for technical stretch film. The **ALLroliEX®** line was producing over 20% more compared to any equivalent cast film line already in their workshop.

One year after the purchase of the first line worldwide for 14-layer air bubble film, our long-standing U.S. multinational company customer decided to purchase another line for air bubble film from **COLINES®**. With this latest purchase, we can count 6 air-bubble film lines in production at our customer's factories, ALL supplied by **COLINES®**. We are very proud to have established such a long relationship with our valuable customer based on the quality, reliability, performance of our lines together with a mutual trust and friendly relationship on both sides. It is also an evidence of **COLINES®** being the worldwide leader for high quality air bubble film lines.

Last but not least, as a result of the new Group structure, WELDING MACHINERY - the group's company dedicated to the manufacture of converting machinery for air-bubble and foam films - will work under the unique name of **COLINES®** Group, and the first sale of the new era has been the top of the range of WELDING MACHINERY. The new machine will be installed in a fast growing company based in the U.S. West Coast, which was already extremely satisfied by the previous supply of a machine of this kind. The welding machine has been fully customized, to comply with all the production needs of the customer, working in high end products.

We invite our customers, not only from North America but also from the rest of the world, to visit the **COLINES®** factories in Italy and experience our high level of technology in machinery manufacture.





# THE MARK OF BUBBLE GUARD® BOARD TOWARD NEW HORIZONS

The year 2015 has begun sensationally for **BUBBLE GUARD® BOARD**: during this year 3 new high throughput lines - up to 1 ton/h - will be installed, one in the U.S.A. and two in Europe.

Particularly significant is the line under construction destined to PRIMEX, a major U.S. company.

Several **BUBBLE GUARD® BOARD** lines are already present in Europe, the Middle East and Asia, whereas the U.S. market is a new market for this product, and therefore this new frontier that is opening up is further evidence of the specific importance of this line patented and manufactured by **COLINES®**.

Our distinctive commitment in constantly improving our lines step by step, line after line, is confirmed also in the new machines now being manufactured with the use of a new sheeter (in place of the conventional guillotine) which makes it possible to bring the cutting speed of sheets from 1.5 sec. to 0.3 sec. per cut, i.e. five times faster.

The market is more and more appreciating the huge versatility of this product in many application sectors, among which:

- **GRAPHICS AND ADVERTISING**
- **BUILDING AND CONSTRUCTIONS**
- **FURNITURE INDUSTRY**



# BUBBLE GUARD® BOARD

## focus on AUTOMOTIVE APPLICATIONS



One of the main applications of **BUBBLE GUARD® BOARD** in the automotive sector is the **trunk floor**. **BUBBLE GUARD® BOARD** is used in place of plywood or of the so-called 'medium density' (glued wood fibers) offering great advantages versus these conventional materials, as it is much lighter and at the same time rigid and perfectly resistant. **BUBBLE GUARD® BOARD** can be die-cut, but also laminated in line with carpet without using glue: this process allows a substantial reduction in production time.

### INSERTS FOR SEATS

Many car manufacturers use pressboard in the rear of front seats, but since the lining operation of seats with cloth requires the use of steam, this insert degrades and loses its structural functionality. **BUBBLE GUARD® BOARD**, being a plastic material, maintains its functionality for a much longer time. For this application **BUBBLE GUARD® BOARD** is hot laminated in line with various fabrics.

### COMMERCIAL VEHICLES

Wood is a noble material, appropriate for furniture and the housing sector, but when it comes to the automotive business, **BUBBLE GUARD® BOARD** is much more suitable: it is lighter and approximately 70% of its versions are washable even daily. The production process is completed with a simple die-cutting without a longer milling operation. Also in this case the product can be in-line laminated with special non-slip surfaces.

### SUPPORTS FOR FILLING PARTS

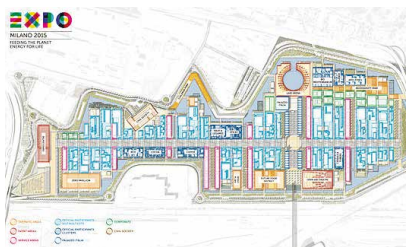
**BUBBLE GUARD® BOARD** is one of the best solutions also for this kind of applications. Thanks to its homogeneous and regular structure, it assures an even distribution of forces in all directions (unlike the "hollow profile", whose resistance is mono-directional, with consequent structural collapses).

The side lining panels of the interiors are very important in commercial vehicles, and **BUBBLE GUARD® BOARD**, thanks to its alveolar structure, combines the aesthetic function with anti-scratch and noise reduction properties. Once again, its main pluses are: lightness, malleability (with a simple die-cutting you can obtain the desired shape) and easy cleaning without any risk of deterioration. The latest specialty, thermoformed **BUBBLE GUARD® BOARD**, after the necessary development and tests, has entered production and has already been introduced as application in two car production lines.

Last but not least, **BUBBLE GUARD® BOARD** is **100% made of polypropylene**, which makes it fully recyclable, an indispensable quality from the economic and above all the environmental point of view.

## EVENTS: COLINES® AT EXPO 2015

**COLINES®** is proud to announce the participation to EXPO 2015, the Universal Exhibition that Milan, Italy, will host from May 1 to October 31, 2015 and that will be the biggest event ever about food and nutrition.



over  
**1.1 MILLION SQM**  
of exhibition area



more than  
**140 COUNTRIES**  
and international organizations  
involved



over  
**20 MILLION VISITORS**  
expected to attend

**COLINES®** will present its history and technology, with a particular attention to the extrusion lines dedicated to the production of barrier film for food packaging in protective atmosphere. At its side there will be **B-PACK®**, the associated company producing barrier film, showing the developments, innovations and goals reached in the food packaging field. The booth will be located in the pavilion of **FEDERALIMENTARE**, named **CIBUS è ITALIA**.

*You definitely cannot miss this unique occasion!*

**COME TO EXPO 2015, VISIT COLINES®!**

## BUBBLE GUARD® Matt Graphic support for Federalimentare 4EXPO

**BUBBLE GUARD®**, the alveolar sheet produced by our associated company **IMBALLAGGI PROTETTIVI** on **COLINES®** extrusion lines, was selected as the official graphic support at Federalimentare 4Expo's stands during the whole Expo in Milan. Federalimentare, the prestigious Federation of Italian food, will guide the visitors of Expo 2015 to the discovery of Italian food products, of the wealth of the territories and of the brands that contributed to the excellence of Italian agro-food. The 2600 sqm pavilion will host 500 companies that will showcase their products in stands made in **BUBBLE GUARD®**. The printable **BUBBLE GUARD® Matt**, the version selected for this important edutainment project, is definitely one of the best rigid supports in advertising for direct printing, being flat, opaque, smooth, corona treated, and maintaining at the same time the benefits of lightness and full recyclability (100% polypropylene).

The choice of **BUBBLE GUARD®** by Federalimentare 4Expo definitely represents a great opportunity for our country as well as for our associated company Imballaggi Protettivi.





# Excellence in CPP lines

**COLINES®** confirms its leadership in the manufacture of CPP film extrusion lines. **COLINES®** boasts the highest product specialization, supported by low energy consumption systems.



## Extruders

The largest possible choice of customizations and flexibility, according to the production targets. Lines are available in various 3 and 5-layer configurations with 3 and 4 extruders optimised for the production of CPP film, metallization and lamination grade. The new concept barrier screws allow an easy extrusion with high output of an extremely wide range of products, from the tougher heterophasic block copolymers (MFI < 1g/10') to the softer copolymers/terpolymers (MFI > 12 g/10').

## Air knife

Suction system under the die developed by **COLINES®** and renewed in design. The chambers now operate with a limited air flow, and the possibility of managing the minimum quantity required for film stabilization permits the extrusion with speed of 400 m/min and low thickness (< 20 microns). The fine adjustment through inverter permits an easy recipe formulation according to the desired product.

## Recovery system

This is one of the strongest points of our extrusion lines giving great economic benefits to our customers. Born in the mid 80's from a winning idea, the system, now in its fifth generation, manages the cold recovery (without further decay of the MFI value) of the lateral trims and the bleed trims (generated with the in-line slitting). The quantity which can be recovered is up to 25% of the main extruder throughput regardless of the raw materials used (whether PP Homo - Copo or Terpolymer), thus ensuring the maximum flexibility of use and the minimum energy consumption. In fact the system is equipped with an a.c. motor with a power of 1.1 kW only in its terminal part reintroducing the fluff in the extrusion process.



## Winder

**JUMBOWIND®** and **FLEXIWIND®** models boasting an ergonomic design with trimming unit, corona treatment and integrated controls. The turret-type **JUMBOWIND®** winder, of which many units have been installed on our machines, now has been renewed in the layout. The new contact mechanism now works in tangency with the film inlet, applying a variable pressure based on the reel diameter reached (up to 1200 mm). The outcome is a winding with very low tensions and limited air entrapment at high speeds. The **FLEXIWIND®** winder is turret-type with independent shafts. The independent shafts approach one another during reel change, with independent rotations with minimum cutting tail. In addition this winder is particularly appreciated when producing film with in-line cutting. A Siemens 19" touch screen operator panel (industrial PC fan-less SSD), placed in an ergonomic position, permits to set all winding characteristics of both winding units. Last but not least it is worth mentioning the new cutting system with tapeless index of the new reel.

The machine layout has a reduced spare requirement and a minimum web path. Thanks to line motorization and the new layout it is possible to obtain a perfect winding quality, also with in-line cutting, of films thinner than 20 microns and speeds over 400 m/min.

# COLINES® MORE AND MORE PRESENT IN LATIN AMERICA

Latin American markets for stretch film are growing. The demand for new lines stems mainly from the economic growth of these countries and from the need to renew a machine stock already obsolete that cannot boast interesting performances and, moreover, has also high energy consumption. Globalization, also in Latin America, made markets more and more competitive and demanding. **COLINES®** feedback has been really appreciated because it is concretely oriented towards lines more and more productive, very versatile, easy-to-manage and with low energy consumptions. After the K '13 Show, the **ALLrollEX®** lines, especially in the 5-layer 1000 and 1500 mm version, have been sold in several countries determining a very important presence for our company.

In order to offer a prompt local assistance service, we have established a cooperation with a Colombian company. The two owners have a background as electronic technicians and a lot of experience, having worked in companies in which several Colines line have been running.

## IN 2015 6 COLINES® LINES WILL BE INSTALLED AT NEW CUSTOMERS' FACILITIES.

In Mexico, besides the stretch film market in which we are present with the greatest number of lines in production, the demand for technical films for medium and high barrier is rapidly increasing not only for the inner market but also for export towards US. In this respect, we are proud to announce that at the end of the year a 7-layer **BARRIERCAST®** line will be installed at the company Excel Nobleza, an important and historic company in the extrusion and converting field. Thanks to the experience of our associated company **B-PACK®**, benchmark since 1994 in the production of barrier film with more than 450 product codes, our new customer will have all the necessary support and know-how to enter successfully in this new market niche.



# B-Pack® Barrier film goes green

**B-PACK®**, our associated company producing barrier film, has been on the market for several years now with barrier solutions for coffee powder and coffee-beans packaging, proposing barrier solutions that allow to create Alu-free packaging.

The market is increasingly offering end-users eco-friendly packagings and the development of Alu-free structures, featuring high barrier to oxygen, aromas and light, is becoming a priority.

Being the most concerned by the eco-friendly issue, the target markets for this kind of packaging are currently the North European ones.

This Alu-free solution for the coffee market will find application also in the little flow packs still containing aluminium, e.g. single portion coffee capsule packs, which represent a market segment on the rise.

Therefore, the orientation towards these new Alu-free packagings allows to recycle the packaging, making it suitable for the plastic separate collection.

The environmental advantages imply not only packaging recyclability, but also a considerable reduction in the packaging "carbon footprint" itself.

Therefore we expect that barrier structures with EVOH will be increasingly used in this field.

**B-PACK®** is about to present a range of high barrier bio-based films made in 5 and 7 layers, using raw materials coming from renewable sources.

***Stay tuned!***





# FURTHER DEVELOPMENTS ON OUR **DIAPER** BLOWN<sup>®</sup> LINES

**COLINES<sup>®</sup>** has gone ahead with the development of extrusion lines with blown technology for the in-line production of embossed film. As a result, after the world première in 2013, a second line with useful width of 2200 mm was recently sold to a very important Middle Eastern group: it can produce 15 micron and even 13 micron embossed film at real speeds of 150 - 180 m/min, with throughputs up to 600 kg/h.

Thanks to the accurate study not only of the embossing units but also of the extrusion and cooling section, it was possible to achieve such performances even using a significant percentage of recycled material coming from similar productions.

*One of the main objectives of this project, fully achieved, was to keep a great user-friendliness of the machine, with a really accessible interface allowing any operator of "standard" blown film lines to work profitably with this advanced line.*



On this line **COLINES<sup>®</sup>** has also introduced for the first time the new independent rotary axis winder, called **FLEXIWIND<sup>®</sup>**, which permits to wind-up flawlessly as much as 11 reels 200 mm wide with a perfect geometry and with no tail at the mentioned speed and throughput levels. Furthermore, this winder is equipped with "reverse" technology, which allows to wind up the film in both directions, and can make reels up to a diameter of 1200 mm.



## COLINES® sponsor and speaker at the fourth edition of the Thermoplastic Multilayer Films Forum

**COLINES®** will be among the sponsors of the **fourth edition of the Thermoplastic Multilayer Films Forum**, dedicated to the applications in the fields of packaging, converting and agriculture. This event will feature the speeches of technicians and experts of the world of packaging and converting, representatives of companies manufacturing production equipment and lines, and delegates of major end-users of film for flexible packaging and various applications in agriculture.

**COLINES®** will participate with an intervention of the associated company **B-PACK®**, presenting the developments in **B-CLOSE®**, a resealable film made either of PE or PP, available also in the barrier version with EVOH.

The use of resealable package, is constantly on the rise in the food sector. This packaging solution is more and more widespread in the refrigerated section of mass retailers, and recently has been extensively applied in Italy too.

A resealable film allows the consumer to reclose the package up to ten times after the first opening, therefore it is ideal for protecting the freshness of cheese and cold cuts at home.

The effectiveness of this kind of product lies in the adhesive layer that is uncovered on opening the package, thus permitting the subsequent closures of the package itself.

The film, which is laminated with other supports, is destined to the making of printed and non-printed tops as well as rigid bottoms for thermoforming. The reference thickness in the market for this reclosable coextruded film is of 50 micron, and the product comes in the transparent version, but also in the antifog and white versions.

**B-CLOSE®** is used among others also by IGOR, the biggest and most important Italian producer of the hand-crafted **Gorgonzola**, a typical Italian cheese, well-known for its blue veining.







## ENHANCE PRODUCTIVITY AND QUALITY OF YOUR LINE WITH ELAV® AUTOMATED SOLUTIONS

ELAV® has been working in the field of industrial automation for **more than 30 years**, gaining a **leading experience in plastic extrusion lines**. Our over **3000 active installations** all over the world are evidence of how our experience and expertise in designing, developing and building high quality and cost-effective automated solutions can provide customers with a competitive advantage. During the years, we have continued to strengthen our customers' competitive edge by providing **innovation and reliability** in our support of their production activities: our strong focus on **products and process optimization** helps customers increase their productivity, efficiency and quality while at the same time maximizing earnings.

In manufacturing, money is made on the shop floor; this is why accurate and real-time analysis of your production floor is a key element of the modern manufacturing environment. Thanks to **Live Control**, ELAV®'s tailor-made MES module dedicated to data collection and analysis expressly developed for plastic extrusion lines, we are able to support you optimizing your productivity and increasing traceability of your products. All data collected can be shared with your MRP/ERP to take full control of the production processes from material purchase to delivery of final products to your customers.



### AVAILABILITY AND EFFICIENCY

Regular machine and tool maintenance can ensure that work centers do not unexpectedly go down and productions run most efficiently: **ELAV®'s Live Check**, combined with the **Programmed Maintenance** module, gives complete access to the functional status of production lines, through intuitive diagnostic images and icons. Operators will be guided throughout the plant by images in order to easily perform maintenance or recover a possible fault, thus maximizing the availability of the line.

With software features that make doing the right thing the easiest thing to do, we enable you to improve quality compliance and reduce quality losses, while increasing product yields. Get a global coverage of your shop floor and experience improved quality, efficiency, traceability, availability and profitability. All of this with **Live Control** and **Live Check** by ELAV®.

### REVAMPING

Thanks to its deep knowledge of plastic extrusion processes, the use of first class automation equipment and its team of skilled engineers, **ELAV®** is the **top revamping specialist** you need to boost the performance of your production line, cutting down power consumption and machine downtimes. Through **Live Control**, ELAV®'s tailor made MES software expressly developed for plastic extrusion lines, we are able to support our customers optimizing their productivity and increasing the traceability of their products. Everybody knows that availability of the line is a key performance indicator: with our supervision modules **Live Check** and **Planned Maintenance**, combined with our remote assistance module **Teleservice**, we enable our customers to prevent costly machine downtimes and expensive interventions. **Office Station - Tablet - Mailing Facility**, are just three possible solutions that allow our customers to get complete remote real time monitoring of their machines wherever they are. Whether you need to boost the performance of a single-station machine or a complete, integrated multi-function production line, **ELAV®** can help you reach your targets.



### QUALITY & TRACEABILITY

Record-keeping and data analysis related to machine use, jobs and lots lead to better tracking and accountability of materials used, which generally reduces waste. Furthermore, should a quality problem occur, lot tracking enables to tie back the issue to the individual lots instead of having to potentially recall an entire run. Real time report on progress of jobs and lots gives plant managers better information and allows for adjustments to the schedule to make up for changes in productivity.



# FLASH NEWS

## INTRODUCING

Please join us in welcoming some of the new employees who recently joined us.

COLINES®	COLINES®	COLINES®	COLINES®	ELAV®
				
<b>Luca Raccozzi</b> <i>Technical Dept Manager</i>	<b>Dan Andrei Ferastrauaru</b> <i>Technical Dept</i>	<b>Davide de Nava</b> <i>Sales Area Manager</i>	<b>Elena Genoni</b> <i>Account Dept Manager</i>	<b>Giorgio Manfredi</b> <i>General Manager</i>

## NEW Special elastic film for diapers

COLINES® produced two lines of the DIAPERCAST+ELASTIC® series specially dedicated to the production of elastic film for diapers laminated in-line with WNW. The line has a web width of 2100 mm, a net output of 560 kg/h and a mechanical speed of 350 m/min.



## SOMETHING ABOUT 2015

7 new lines for CPP film with a production speed up to 400 m/min.



6 latest generation ALLrollEX® lines for stretch film only in Latin America.



3 BUBBLE GUARD® BOARD lines commissioned.



Our 1<sup>ST</sup> ALLrollEX®-3000 cast stretch film line in U.S.A.



Launch of the new BUBBLE GUARD® BOARD simplex.







ONE SMALL STEP  
**FOR YOU...**  
ONE GIANT LEAP  
**FOR YOUR  
BUSINESS**

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CAST STRETCH FILM LINE IN OPERATION

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**PLAST 2015 | BOOTH A/01 - B/02 | HALL 15**

Milan, May 5/9 2015

**COLINES®**

THE POWER OF SYNERGY®

