

Improvements

Latest news on Colines® technological developments



quality • performance • assistance • reliability • technology • style no. 5 - year 2010



- AGREEMENT WITH AMCOR
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- THOROUGH AFTER-SALES ASSISTANCE SERVICE AT COLINES
- BUBBLE GUARD® BOARD PUSHES ITS WAY

 **HANDrollEX®**

Species natural evolution



HANDrollEX® Triple
live for the first time
at "K Exhibition"



communication.it

HANDrollEX® Triple in function at stand 16A39

www.handrollex.com

COLINES®
STRETCH

 **HANDrollEX®**

The **HANDrollEX®** Triple widens still further the range of sizes offered by the Handrollex®-1000 line since it produces, in addition to the stretch film rolls for manual and automatic use with in-line slitting, also jumbo rolls up to 500 mm diameter.

Thanks to various options, the finished film produced by **HANDrollEX®**-Triple has a great flexibility which is able to satisfy all the requests you may receive by your customer thanks to the possibility of multiple in-line cuttings and the production of mini-rolls of 100 mm each; tests on the pre-stretch are currently being made and the coreless options is in a developing stage. All these possibilities will be offered by a single line only.

AUTOMATIC, MANUAL AND JUMBO ROLLS ALL IN ONE

The **HANDrollEX®** -1000 line offers now the widest range of possible productions ever both on **2" and 3" cores**, as summarized here below:

- 2 x 500 mm
- 2 x 450 mm
- 4 x 250 mm
- 6 x 150 mm
- 8 x 125 mm

2010 worldwide innovation!

- 10 x 100 mm

HANDrollEX® is the best solution to save money, time and space.
extrusion, winding and slitting all-in-one.

COLINES®
EXTRUSION LINES

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MANrollEX®

HANDrollEX®

JUMBOrollEX®

Editorial

Dear Customers,

Our sector had placed great hopes in the positive effects of the last edition of the K exhibition.

Unfortunately these hopes were partially dashed and the market has created a harsh selection in the meantime.

The most dynamic, creative and strong companies got out of this situation strengthened and ready to take advantage now of the upturn that seems to be timidly ongoing.

Our company is one of these. Favoured by our strong capital structure, we made extensive investments in countertrend, strengthening ourselves in all sectors, with the goal of being ready for the longed-for recovery.

We have therefore improved the performances of our CPP and barrier film lines, further widening the technological gap versus our competitors. We have expanded the applications of BUBBLE GUARD® BOARD, our patented process, with the immediate response of various lines sold in several geographic areas.

We have definitively launched the revolutionary series of the HANDROLLEX® lines for stretch film, receiving the Customers' appreciation and selling a number of machines in the five continents.

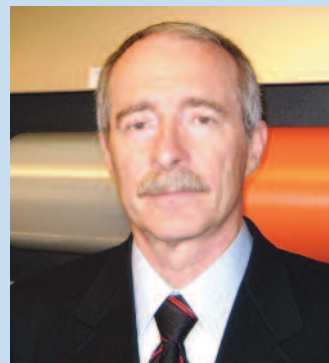
We have carried on perfecting and upgrading the quality of our lines, entirely designed in house and strictly made in Italy; at the same time we have rationalized our technical solutions in order to reduce power consumption.

We have boosted our after sales service activating in essence a coverage seven days a week all year round. We have reinforced our technical department and our workshop, investing in specific machine tools for the most sensitive parts of our lines. We have involved our sub-suppliers in a special effort to be up to the expectations of an increasingly competitive market. We have tried out the progresses of our know-how by testing the new technical solutions in the lines in operation in the firms of our sister company B-PACK Holding.

.....finally we do hope that all of this can be appreciated by our Customers and that the market will reward our efforts responding to our expectation.

Enjoy the exhibition!

Eraldo Peccetti
CEO & Partner



Agreement with Amcor.

Communication of our CEO & Partner to our Customers.

Dear Sirs,

As I believe that this piece of news is significant for our commercial relations, I would like to inform you about the transfer of B-PACK DUE® SpA to AMCOR - No. 1 converter in the world - as per following official press release.

I apologise in advance for the time I am taking from you and I would like to emphasize that it was a strategic and weighed choice, basically due to three reasons:

- a) the strong impact on the market of the growing volumes of B-PACK DUE® (more than 30,000 metric tons/year of the best cast polypropylene film for high performance applications) with the potential risk of creating problems to the future activity of COLINES® (sale of extrusion lines);
- b) the awareness that AMCOR, specially after the merger with ALCAN, represents by far the biggest customer for B-PACK DUE®.
- c) the consciousness that COLINES® has established since some time its market leadership for the CPP extrusion lines with speeds up to 400 m/min and width over 5 metres. Recognizing the supremacy of the COLINES® know-how versus any other competitor, AMCOR actually has subordinated the conclusion of the B-PACK DUE® purchase to the signature of the commercial collaboration agreement with COLINES®.

As usual in these cases, there is a mixture of satisfaction and regret left, but also the consciousness that the sale of B-PACK DUE® is the result of a correct and unavoidable business evolution.

Best regards,

COLINES® SpA - Eraldo Peccetti - Partner & Managing Director

Press Release.

The Italian company B-PACK HOLDING, based in Novara, informs the market about the transfer of B-PACK DUE®, as point of arrival of a precise strategy planned in 2006 with the entry of the private equity 21 INVESTIMENTI (BENETTON group) in the share capital of B-PACK DUE® itself. B-PACK DUE®, with operation headquarters in Venturina (LI), unquestioned leader in the international market of polypropylene films for applications in sectors such as food, medical and textile packaging, has been sold on September 30, 2010 to the Italian branch of the Australian multinational AMCOR LIMITED, its chief customer.

AMCOR LIMITED expressed its intent to further develop the activity of B-PACK DUE® through a strategic agreement of commercial cooperation signed in parallel with COLINES® SpA, the manufacturer, based in Novara, of B-PACK DUE® production lines, rated as the top in the world market.

As confirmed by its president and managing director Eraldo Peccetti, this operation will allow B-PACK HOLDING to focus its future efforts and its resources on the development of the future production activity of B-PACK® SpA (barrier film for food packaging) with operation headquarters in San Pietro Mosezzo – Nibbia – Novara, and IMBALLAGGI PROTETTIVI (alveolar sheets in polypropylene) with premises in Massalengo (LO).

"Thanks to the synergies developed over the years between the line manufacturer COLINES® and the user B-PACK DUE® and to the strategic partnership with 21 INVESTIMENTI – comments Eraldo Peccetti, managing director of COLINES® – we have realized an extraordinary project that has strengthened the presence of B-PACK DUE® in the European market to the extent of making it attractive for a worldwide leader like AMCOR".

Excerpt from the News Release 'Acquisition of B-Pack Due®' by Amcor.

As part of the acquisition of B-Pack Due, Amcor has also entered into an exclusive supply agreement with Colines S.p.A, a world leading manufacturer of extrusion lines, and supplier to B-Pack Due. The exclusivity agreement, which covers large capacity lines, provides Amcor with protected access to a world leading CPP manufacturing technology that will serve as a platform for anticipated further

expansion in CPP films.

Amcor's Managing Director and CEO, Ken MacKenzie said: "This acquisition is an important step in the overall film strategy for the flexibles business.

"B-Pack Due is a global leader in the production of cast polypropylene film and has a number of specialised products and unique process know-how.

Breathable line goes to China.

An important milestone in the COLINES® range of manufacture is a new AIRCAST® line for the production of breathable film, boasting innovative outstanding engineering achievements and design. This line has been installed at a Chinese customer, leader in the production of breathable film.

AIRCAST® is the first line for breathable film in operation in China supplied by a Western Country manufacturer. This peculiarity is really of top importance as this line has reached a highly growing and challenging market, characterized by an extreme competition. The choice of a COLINES® equipment for a niche product on a market where competition is highly selective, is of major importance and finally establishes the quality, reliability and performance of the COLINES® lines.

On the occasion of the open house, dedicated to the presentation of this AIRCAST® line in Italy, many customers in the field could appreciate the quality and performance of the line and in fact, in confirmation of the effectiveness of the project, a new line is now under construction and is expected to be delivered in the first half of 2011 to an European producer who has chosen the COLINES® engineering capabilities with respect to other European competitors.



Your core matters.

Equipment for the production of patented “MyCore” cores made of plastic or recycled material, which are eco-friendly, very light, highly resistant and cost-effective.

For further information apply to booth 16/A39





The HANDrollEX® versions.

Since 2006 to this day COLINES® has sold over 35 lines in different versions: HANDrollEX® 1000 MM, HANDrollEX® TRIPLE and HANDrollEX® COMBI.

This outstanding success is mainly due to their peculiarities, such as: easy to install, user-friendly, versatile, quick delivery time, cost-effective and impressive hourly production.

As a result of the many requests, especially from emerging markets, demanding less specific materials and a diversified production to satisfy a wider range of products, other versions such as TRIPLE and COMBI have been developed, thus completing the basic HANDrollEX® range and already achieving a positive reaction of the market.

HANDrollEX® 1000 mm is able to produce stretch film rolls for manual and automatic use.

The HANDrollEX® TRIPLE version (premièred at K 2010) is equipped with an additional winder to produce even the stretch film Jumbo rolls with diameter up to 500 mm and net hourly outputs up to 750 kg/h.

The latest evolution is the HANDrollEX® Combi line, which offers the possibility to produce with the same machine stretch film, the flexible packaging solution par excellence, and CPP, always exploiting the two separate winding stations:

- the Handspeedy® patented turret winder of the HANDrollEX®, with modules of 1000 mm dedicated to stretch film reels for manual and automatic use;
- the Combiwind® winding unit dedicated to CPP reels. This station can produce jumbo reels of stretch film with a diameter of 500 mm and a total width of 1000 mm (2 x 500 mm) and CPP film with a big diameter (up to 600 mm) and a total width up to 1500 mm.

It gives the possibility of working in three different modes: contact, with gap and in combined mode.

HANDrollEX® Evolution.

COLINES® PRESENTS ITS
NEW EXTRUSION LINE AT K2010

COLINES® shows at the K Exhibition the latest novelty in its portfolio of cast film lines: the HANDrollEX® TRIPLE will be in function at the stand 16A39. This line widens still further the range of sizes offered by the HANDrollEX® 1000 mm revelation line, since it produces, in addition to the stretch film rolls for manual and automatic use with in-line cutting, also jumbo rolls up to a diameter of 500 mm.

Some specific features of the new line have been developed towards the cost-effectiveness of the line and the optimisation of the production costs without influencing functionality and quality:

- the re-feeding cold system instead of the lateral extruder or pelletizing system, whose consumption in terms of kW/h is higher;
- the optimized energy consumption thanks to a targeted engineering of all the electric and electronic parts (extruder motors, extrusion screws, motors of the line);

Thanks to various options, the finished film produced by HANDrollEX® TRIPLE has a great flexibility that is able to satisfy all the requests you may receive by your customer with multiple in-line slitting and the production of mini-rolls down to 100 mm each.

Tests on the pre-stretch are currently being made and the coreless option is in a developing stage. All these possibilities will be offered by a single line only.

COLINES® STRETCH “scores 50”... for its Customers.

COLINES® has received orders for two extremely hi-performance cast lines for stretch film with a web width of 2000 mm.

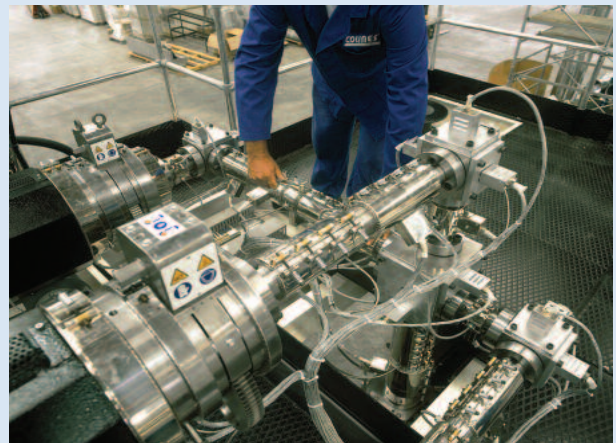
The JUMBOROLLEX® extrusion line can produce reels for automatic use and jumbo reels, and the HANDrolLEX® can produce reels for manual and automatic use.

At the production speed of over 700 m/min, the lines can reach a maximum net production over 1500 kg/h. JUMBOROLLEX® & HANDrolLEX® lines are engineered for the production of multilayer stretch film up to 50 layers thanks to two feed-blocks and a layer multiplication system.

Furthermore, the following main technical features distinguish these hi-performance cast lines for stretch film:

- an innovative in-line trims regrinding system without repelletizing. This system provides for two independent recoveries for the trims produced by both edges of the film that refeed the extrusion compartment.
- the equipment is completely automated through a software that manages the die profile and the other components, such as the dosing group and the profile control.

JUMBOROLLEX® & HANDrolLEX® lines are guaranteed with the habitual reliability that distinguishes all COLINES® lines, characterized by a user-friendly management thanks to the use of state-of-the-art Siemens touch-screen operator panels and very easy-to-understand diagnostics.



What after-sales service means for COLINES®.

COLINES® intervened in November on a line sold in 2003 to one of the most important converters and film producers in the world, headquartered in India, with offices in UAE, North America and a presence on the market in 80 Countries.

The Polycast® line was originally designed to have a production speed of 220 m/min at a mechanical speed of 250 m/min. The line, since its commissioning, received an ordinary maintenance which was barely enough if compared to what recommended by the manufacturer. Thanks to specific targeted interventions carried out by the technical team of COLINES® it has been even possible to increase the speed up to 300 m/min.

Among the main improvements:

- 1) general check of the line and replacement of the worn parts;
- 2) upgrade of the cooling unit and of the positioning of the chill-roll;
- 3) upgrade of the re-feeding management.

Besides what above, COLINES® technicians have instructed the personnel and fine-tuned standard formulations for CPP in a thickness range from 20 to 25 µm for food lamination, which represent widely used products for the local market.

Today, following the intervention of COLINES®, the line not only functions as new but it offers better solutions than those guaranteed at the time of commissioning.



BUBBLE GUARD® BOARD pushes its way.

The demand for BUBBLE GUARD® Board is becoming more and more sizeable in the whole world.

In the years 2010 and 2011 five lines will increase the production of BUBBLE GUARD® Board both in Europe and in

other continents: two lines have been commissioned this year and other three will be started up in 2011. This is clear evidence that innovation in lines introducing new technologies for new applications or enhancing the existing ones are rewarded by the market.

BUBBLE GUARD® Board is now a well-tried product and is becoming a reference material all over the world. A new line, with a production capacity that is more than double, has been recently commissioned in the plant of IMBALLAGGI PROTETTIVI, which has developed and keeps on perfecting new fields of application for BUBBLE GUARD® Board.

The development process of this product at Imballaggi Protettivi is essential, as it allows the Customers of COLINES® to propose an already industrialized item.



JRD - a glance at the future.

JRD INTERNATIONAL DUBAI have strongly believed in the product BUBBLE GUARD® BOARD, studying with COLINES® SpA and IMBALLAGGI PROTETTIVI products dedicated to new applications and new markets.

The localization of the new factory of JRD INTERNATIONAL in Dubai permits the customer an easy marketing of the final products, especially in the building sector, where BUBBLEGUARD® BOARD is a perfect answer to the requirements of this sector (shuttering, wall panelling, false ceilings), besides the field of packaging, in which JRD INTERNATIONAL is well-established, as well as the advertising sector.

The geographic position favours JRD INTERNATIONAL in the exportation to Middle East countries, Africa, India and Iran.

The project with JRD is quite outstanding, as a matter of fact, once completed, the production capacity will exceed 50,000 tons/year of BOARD, making the JRD site the biggest BUBBLEGUARD® board production pole in the world.

The Customer's ambitions, constantly supported by COLINES® SpA and IMBALLAGGI PROTETTIVI, go even beyond this first project, which has been already triggered with the test-run of the first two lines.



NEW 7- Layer blown film line.

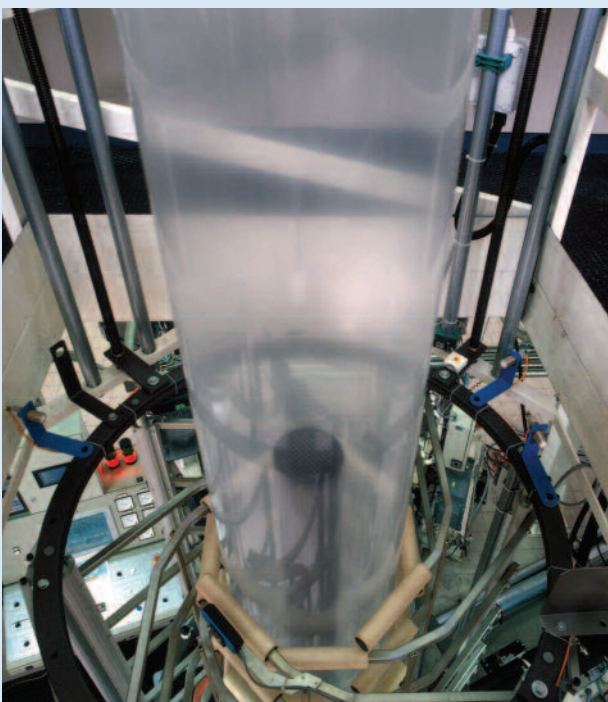
COLINES® has recently completed a new 7-layer BARRIERBLOWN® line for the production of multilayer barrier film.

The line is equipped with all the state-of-the-art innovations in terms of thickness measuring and winding. It performs an air inductive plus an optical thickness measurement and avails itself of a high performance winder. In addition the line has been designed with a new type of splitting cut which will allow for reduction of the trims also in case of barrier film.

Besides proposing a leading edge extrusion line, COLINES® can provide its Customers with a complete package including the production know-how.

Moreover, the company policy plans for a first acceptance test in its own factory and a final test at the Customer's plant.

The line can be seen in operation at any time at our sister company B-PACK®.

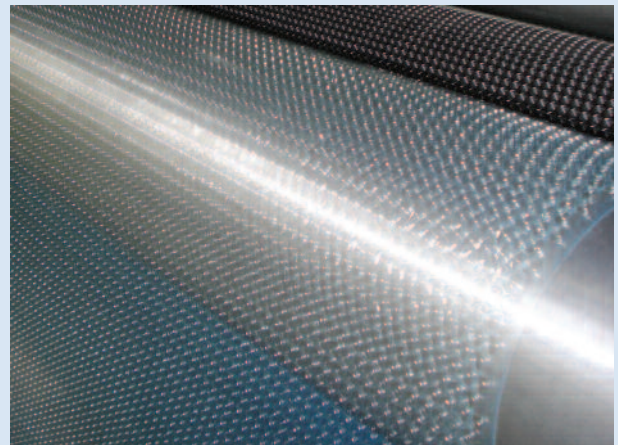


NEW AIR BUBBLE® film line.

Colines has recently delivered an innovative and high-performance AIR BUBBLE® coextrusion (3 + 3 layers) film line to a western Europe customer.

This line features all the latest developments of COLINES® in the field of air bubble film.

With the use of special blends dedicated to specific productions, the line reaches a mechanical speed higher than 80 m/min. It is possible to obtain low grammage products (lower than 30 gr/m²) and to laminate in-line materials as paper, foam and high density PE.



The right choice.

These days when the most hackneyed phrase is global crisis, COLINES® is very proud to receive in 2010 new orders from Customers who purchased and started our lines in the last 18 months.

The fact that this has occurred with three different customers this year is a meaningful sign for us.

It is the demonstration that the products made by the COLINES® lines are appreciated by the market, and also that the performances of our lines assure competitiveness to our customers, and finally that our effort to be always in the forefront in terms of products and performances is a winning attitude in the market.

COLINES® partners with Sabic to showcase innovative LLDPE extrusion line.

During the K Exhibition COLINES® continues its cooperation with the Middle East raw material supplier SABIC, which started some months ago: research and trials have been carried out jointly by the two companies bringing, among other results, to the processing of extremely low thicknesses (8 to 12 µm) and to the fine-tuning of the cling behaviour.

The attention to quality, product consistency and focus on innovation make SABIC and COLINES® a natural match and allow them, by sharing their expertise in film machinery and raw materials, to stay as front runners in the current market.

Elav live control.

COLINES® has recently realized through Elav the LIVE project for the monitoring of the data relative to the new generation extrusion lines. It's a report system that will put at disposal of the customer the consumption data (energy and raw material), various trends (consumption, machine data), recipes, management of the production orders, ordinary and preventive maintenance, diagnostics.

The acquisition and processing of the data are directly incorporated in the automation system; then the data are transferred to a computer that can be situated far from the line. This aspect is particularly important in the case of companies with more than one plant or with offices separated from the production site, since it allows a clear and immediate report system. The transfer takes place at the end of each single production cycle and the data are shown and filed by the program.

LIVE is a product with very good flexibility, it adapts very well to the different needs of the production lines and can be installed on all COLINES® lines.

Customers will have the opportunity to appreciate this innovative system more in detail on the occasion of the K exhibition, as ELAV will be showing it in the COLINES® booth.

New agents.

We are pleased to introduce to your attention the companies that started recently to represent COLINES® respectively in Australia, Peru and Singapore/Malaysia.

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KEEP YOURSELF UPDATED!

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