

AMUT DOLCI BIELLONI @ K SHOW

The “EXTRU-CONVERT” factory at the Fair.

At booth 16-A-05, AMUT DOLCI BIELLONI will show in operation an updated technology with clever solutions.

In a large size booth of 820 m², you are invited to see the following:

STRETCH FILM LINE THAT PRODUCES 1 KM OF STRETCH PER MINUTE

A 7-layer cast film line equipped with robotized Palletizer for Rolls & for Rolls-in-box. The line will be in daily operation.

The cast stretch film line in live-demo is a modern performing and compact line, designed for “super power” stretching requirements that includes several outstanding features:

- A new **high speed automatic turret winder** that, thanks to refined mechanics, can reach a **production speed of 1000 m/min**, producing rolls of excellent quality (square edges and no tail) even for very thin films;
- A group of **newly designed extruders**, adopting the philosophy of “higher r.p.m., longer L/D ratio and higher homogenization/output”;
- A newly designed Twin-Chill-Roll with incomparable mild-cooling capacity at high speed, for **excellent frost line control**.

The model line FCL 7 – 2000 ADB consists of:

- 7 layers (6 extruders) film formulation, up to 1600 kg/hour net output;
- New generation of extruders 40 L/D, designed for low-energy consumption;
- 2 meter net width (4-up) for production of hand and machine rolls;
- 3 levels vertical lay-out for floor space savings;
- Automatic die model Nordson EDI Autoflex and X-ray gauge controller;
- Twin type chill roll, for perfect control of the frost line;
- In-line trims reprocessing with orbital mixer/intruder;
- Automatic 4 shafts turret winder with auto re-coring and cores storage;
- Automatic in-line box palletizer with box opening, rolls packing and box closing for machine rolls and hand rolls;
- **New Hi-Tech AMUT DOLCI BIELLONI Logicontrol Supervisor**

NEW BLOWN FILM LINE CONCEPT

An essentially – modern 3 Layer blown Film Coex section, equipped with New Generation Extruders featuring improved melting & plastification.

The new extrusion section design has been developed for our **3 - 5 - 7 layers blown film lines**. Our new machines are based on a new concept that has the advantage of:

- **reducing the energy consumption per kg of production:** the energy saving obtained by reducing the size of the extruders and by mounting a new gearboxes generation, water-cooled motors and low shear screws is about 15-20%
- **increasing the mixing properties of the screws**
- **increasing the output per hour:** up to 190 Kg/hour for the 48 mm extruder and up to 300 Kg/hour for the 60 mm extruder;
- **reducing the floor space**

The 3 layer Coex blown section is statically showing 3 extruders with similar philosophy of the cast line, along with a classic cylindric head, adopting the well-known and well reputed “binary-repartition” scheme.

The group is composed by:

- The new generation extruders (2x48 mm and 1x60 mm) with increased output and L/D ratio for better performances;
- 3 layers “Multisplit” head, designed for low resident time and fast cleaning /purge –out properties;
- Automatic cooling ring “Rising type” for effective film thickness control, triple air flux layout, with pre-blowing section (adjustable in height), for enlarged B.U.R. and consistent film output;
- 3 multi-elements gravimetric dosing/feeding groups;
- AMUT DOLCI BIELLONI logicontrol line supervisor.

ALL- NEW 8 COLOUR FLEXO GEARLESS PRESS TELIA FSC HS

In live demo 3 times a day, printing high quality jobs and performing fast-job-change at any demo

The new version of the TELIA PRESS has been designed for the short / medium runs. The live demo will show to the potential customers how it is possible, when changing a job, to **minimize the scrap** of the substrates to be printed during the start up.

The **Telia 8 FSC HS** includes a new and an improved version of the **FSC system**, which allows the following:

- If a job has been previously stored in the work-station, the machine will repeat with extreme precision the printing pressures with no need of any operator adjustment and the production will re-start with only 6 meters of scrap;
- If a brand new job has to be printed, the operator will activate the FSC - Fast Pressure System which automatically sets the printing pressures according to the:
 - repeat to be printed
 - plate and the sticky back thickness
 - thickness and type of the material

To check the registers, by printing only few meters of material and then stopping the press, the operator can adjust the minimum variation of registers through an interactive register control system.

The machine at K show is an 8-color version with an extended maximum print repeat of 900 mm (35.4")

The printing width is 1400 mm (55") and the web width 1500 mm (59").

The machine has been designed for a speed up to 450 m/minute and it is equipped with 100% print defect control, viscosity control system and fully automatic wash up system.