

# **TECHFLOW** DESIGN & MANUFACTURING INC.

**Samarate (Milan), Italy - Techflow Design & Manufacturing Inc.** announces it's fourth open house to introduce the latest in Mono Layer High Density and Co-Extrusion technology commencing November 5<sup>th</sup> - 9<sup>th</sup>, 2007 for the Mono Layer Line and November 12<sup>th</sup> - 16<sup>th</sup>, 2007 for the Co-Extrusion line. The open house to take place again at our associated European headquarters in Samarate, Italy which is located just North of Milan. To arrange a formal invitation contact Techflow Design & Manufacturing Inc. either by phone # 905-542-2064 or through email at [info@techflowdesign.com](mailto:info@techflowdesign.com)

Provided below is a technical list of machinery that we will be presenting

## First date of November 5<sup>th</sup> – 9<sup>th</sup> 2007 – Mono Layer High Density Line

- **ZG Extruder:** 80mm 26:1 L/D ZG High Density Extruder with grooved feed section.
- **Control Panel:** Terminal controller for all temperature zones. Panel is air conditioned
- **300mm Mono layer Die:** Mono layer high density stationary die package
- **Single surface winder** – 2,200mm single station automatic surface winder complete with magazine, terminal touch screen and hydraulic roll discharge
- **Gravimetric feeding** – Controlled by weight loss system. For single layer extrusion lines with multi-function controller. Model # DE3600-C.
- **Thickness measuring system** – Thickness measuring system with capacitive head to monitor film thickness.



## Second date of November 12<sup>th</sup> – 16<sup>th</sup> 2007 – Co-Extrusion Line with Auto Gauge Control for the production of LDPE-LLDPE, Shrink, Stretch Hood and Industrial Stretch Film

- **Integrated management system** - represents the more complete and technologically advanced INTEGRATED MANAGEMENT SYSTEM in the supervision of a film co-extrusion plant. It is a supervisor with functions of process regulator and data acquisition and analysis which is capable of running by itself an entire film co-extrusion plant, automatically regulating and controlling resin dosage and capacity, ratio, basic weight, thickness, width, speed, tensions, fan capacity, etc.
- **ZG Extruders:** Extruders are comprised of two 55mm for the skins and 80mm in the center. All extruders are 30:1 L/D
- **Control Panel:** A color touch screen terminal controller for all zones. Panel is air conditioned
- **DSS (Dual Spiral Die): Patented 350mm 3 layer Die**, the benefits of this design include having an individual module to distribute the polymer along two separate spirals. The polymer from the extruder is split into two separate flow streams, which lead to two spiral distribution systems. The two individual layers are then recombined before they exit the die to produce a two-layer film or in this case 6 layer film



- **Ultrasonic Ibc System** – Multiple ultrasonic sensor configurations.
- **COMPLETE AUTOMATIC GAUGE (THICKNESS) CONTROL SYSTEM**
- **Dual surface winder** – 2,200mm dual surface winder complete with magazine, terminal touch screen and hydraulic roll discharge with 5 motors especially designed for stretch film and maximum roll diameter of 1,000mm
- **DOSING AND GRAVIMETRIC FEEDING CONTROL BY WEIGHT LOSS SYSTEM** for 3 layers co-extrusion line with multi -function controller “DE3600-C”.
- **Tower and Overall Set up** - Total height of 11.8 meters (8 feet) comprised of 3 platforms, first one at 3.7 meter (12 feet) from floor. On first floor the platform is provided with an extra extension. The tower is complete with stairs, kick plate and safety rails.
- **BUBBLE SIZE AUTOMATIC CONTROL** with integrated detection of bubble breakage.

**We would appreciate to be informed about your possible visit.  
Please feel free to call us for any further detail or help in planning your coming.**