Our Production Range

For plastics and rubber
Leader plants for plastics and rubber industries

An activity of more than one century, since 1878, traced out the progress and development followed up by RODOLFO COMERIO to achieve its actual leader position in the production of machines and plants provided with the best know-how for processing both plastics and rubber sheets.

The premises located in Solbiate Olona, over an area of 35,000 sq.m, including more than 15,000 sq.m of sheltered facilities, are provided with the most advanced requisites to face with success the new challenges of the XXI century.

Our production:
- Calendering lines for plastics
- Calendering lines for rubber
- 2-roll mills
- Laboratory calenders and 2-roll mills
- Laminating lines
- Embossing lines
- Rotogravure printing lines
- Automatic rewinding machines
- Revamping of existing lines
- Plant engineering
- Process Know How - Turn-key plants

Calenders for plastics

It is the most prestigious production and covers the whole range of materials that can be calendered: S-PVC, E-PVC, ABS, PP, PET, TPO. The high precision calenders, “I”, “F” or “L” shaped, with 2, 3, 4 or 5 rolls, rotating on bearings without clearance, are provided with special post-calenders featured by high efficiency small rolls.

Highly sophisticated winders granting an extremely precise tension control on the film, suitable to wind up small or big diameter ranges of single or multiple bobbins, complete the lines.

Specific post-calenders for:
- Clear soft films
- Laminated coloured soft films
- Glossy lacquered soft films
- Reinforced films for flooring
- Rigid and semi-rigid films for printing
- Rigid films for thermoforming
- Rigid films for pharmaceutical industry
- Bioriented rigid films for belts
- Mono-oriented rigid films
- Highly clear rigid films
Laminating Embossing Machines

These machines are designed to laminate both two, three or four plastic layers and open or close fabrics, knitted fabrics, woven-non-woven, felt, fiber glass and paper, and for the surface embossing of PVC, ABS, PUR, PE sheets.

Results are sensational thanks to the great advantage of preheating the sheets without deforming them, of laminating them with the best dimensional stability, of embossing them with remarkable speed and cooling them evenly.

Lines differ because of their heating system: either in contact with a big drum or with small rolls.

In the first case, each sheet to be laminated is laid down one by one on a big drum and then laminated; this solution is suitable for non-extensible materials.

In the second case, each sheet is heated up on a set of small rolls, one close to the other, and then laminated; this solution is absolutely necessary for highly extensible plastics sheets.

Rotogravure Printing Machines

RODOLFO COMERIO offers rotogravure printing machines suitable for soft extensible films, which are typically troublesome for register keeping and request frequent production changes.

Their distinguishing features are their very accurate sheet conveying, their control in electrical axis of the printing units, the very short path between the printing units, the efficient horizontal drying tunnels and an innovative system for quick roll change.

RODOLFO COMERIO offers combined lines both for varnish, primer and colour printing and for water-based or solvent-based lacquering of extruded or calendered PVC film, artificial leather and coated fabrics, as well as for laminating with reinforcing fabrics or soft films and for surface embossing, for very different productions.

Distinguishing features of these lines are high-performing vertical drying tunnels provided with independent ventilation for each printing unit.
**Roll mills**

Machines designed to be installed in the calendering lines for plastics and rubber production or to be used in series in mixing rooms or separately, they all involve the fundamental principles of sturdiness, manoeuvrability and economy.

These principles are exalted by the use of steel frames and rolls, provided with self-aligning bearings, driven through reduction gears and independent universal joints or through hydraulic motors, and equipped with attachments purposely designed to eliminate any manual procedure.

These roll mills are suitable to:
- Act as a stock in calendering lines for plastics
- Automatically prepare the rubber compound in the mixing rooms
- Act as crackers and feeders of rubber calendering lines
- Mix special products such as silicone, asbestos, medical products, plastics and rubber in general

**Laboratory Machines**

**Automatic Rewinders**

RODOLFO COMERIO laboratory mills and laboratory calendering, laminating and embossing lines satisfy all requirements of researchers relevant to mixing, gauging and development of products, arisen in Analysis Laboratories and Research institutes, or for testing and setting up new production processes to be transferred to the production lines for plastics and rubber.

These machineries are designed to get the best precision and to be provided with sophisticated computerized devices to adjust, control, gauge and reproduce any production parameter.

RODOLFO COMERIO automatic rewinding machines are suitable for quality inspection, for automatic winding and packaging of rolls of PVC or other material and the sheet threading-up, winding to preset length and cutting, roll unloading and new core loading, packaging and storing of the finished product follow one another in an automatic cycle.
Calenders for rubber

RODOLFO COMERIO calendering lines for rubber, traditional and sturdy, benefit more and more from the achieved remarkable improvements and continuous development that have led to manufacture up to ten plants per year since 2000. The high output calenders are “I”, “S” or “F” shaped, with 2, 3 or 4 rolls, rotating on bearings without clearance, and are provided with pre and post-calenders optimized to achieve any peculiar technological requirement. Lines differ because of the final production and include:

- Lines for rubber sheet production
- Lines for steel cord rubberizing
- Lines for steel cord rubberizing for OTR
- Lines for textile cord rubberizing
- Lines for conveyor belt production
- Lines for innerliner calendering
- Profiling calenders
- Calenders for rubber strips
- Calenders for rubber bands
- Special roller head and roller die
- Extruders for rubber
- Joining presses
- Cooling and accumulating units
- Automatic and manual winders

Engineering and Know-How

Customer Care

RODOLFO COMERIO through its Engineering Dept. offers a complete project, where all the machineries are ably integrated and complementary machines skilfully combined.

RODOLFO COMERIO proposes the suitable Know-How to manufacture any kind of product, in cooperation with the most important companies producing PVC and rubber calendered sheets.

For over 60 years, RODOLFO COMERIO has been producing more than 10 calendering lines per year and all of them are still “alive” and producing, thus deserving the utmost care and attention. For this reason, RODOLFO COMERIO established a Customer Care Service.

To help interaction and assistance to the Customer, to set up a direct contact, which is essential especially when the most complex problems must be solved in a short time.

Our customers have chosen the right partner: serious, solid, professional.
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Lines for steel cord rubberizing
Lines for steel cord rubberizing for OTR
Lines for textile cord rubberizing
Lines for conveyor belt production
Lines for innerliner calendering
Profiling calenders
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Special roller head and roller die
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Leadership and Engineering
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