



COMERIO ERCOLE

MECHANICAL CONSTRUCTIONS SINCE 1885 ITALY



2 Impianti di calandratura 5 cilindri per PVC

Settore Farmaceutico

In queste settimane terminata la costruzione di 2 impianti di calandratura "GI-GANTI" e "SPECCHIATI" con calandra a 5 cilindri per film plastici rigidi in altezza 2400 mm che sono ora in fase di spedizione per un importante cliente estremo orientale del settore farmaceutico. L'impianto si completa di un innovativo gruppo di stiro longitudinale studiato e progettato per prevenire il restringimento trasversale del film durante lo stiro, di gofratore in linea ed un gruppo di raffreddamento termoregolato. L'impianto si completa di distinte innovazioni tecniche e tecnologiche tra cui i gruppi di posizionamento "gaps" completamente idraulici con la tecnologica brevettata alta precisione HYDROGAP.



2 "GIANT & MİRRORED" 5 Rolls Calenderlines for rigid PVC process.

Pharmaceutical field

In recent weeks has been completed the construction of 2 "GIANT" calendering lines with 5-roll calender unit for 2400 mm rigid plastic film, which are now being shipped to an important far-east customer in the pharmaceutical sector for rigid PVC low thickness. The 2 industrial calendering plants are "MİRRORED" and completed by an innovative longitudinal stretching unit studied and designed to prevent the transversal shrinkage of the film during the stretching phase, an "in line" embosser and a thermoregulated cooling unit. All "position" gaps are fully hydraulically driven based on patented technology HYDROGAP granting a very accurate precision granting a position repeatability $\pm 2\mu\text{m}$ and a bearing block position accuracy $\pm 5\mu\text{m}$. All this achieved with an emergency opening speed of 10 mm/sec and an operative adjustment speed of 1 mm/sec. The necessity to produce high quality materials, the increase of process speed and productivity as well as the need of flexibility of the plant have led to a very significant technical evolution in the manufacturing process of high precision calenders for plastic materials.



CEO statement

Riccardo Comerio and Guglielmo Comerio said: "Our team remained strongly committed in recent months, especially during the COVID-19 emergency phase, to ensure whole compliance of safety protocol and procedures: we are very proud of this result, which shows how the constant effort and passion in our work lead to guarantee our customers innovative products from the technical point of view and of an absolute technological excellence"

**TECHNOLOGY
INTERNATIONAL 2020
AWARDS**
FOR INNOVATION AND EXCELLENCE

Tire technology award

COMERIO ERCOLE team very proud to be the only Italian company selected as a finalist for the prestigious award in the category "Industry Supplier of the Year" during Tire Technology International exhibition 2020.

CEO statement during the show: "It is a result shared with the whole team and which confirm the level of excellence for innovation and quality of our products"



Laboratory challenge

New important recent expansion at COMERIO ERCOLE with a strategic investment in the range of 1.8 million Euro linked to the development of the brand new high performance calendering and mixing laboratory department. Innovations and available Industry 4.0 test facility provided to all customers looking for accessories and services IOT (so called: Internet of things) that are directly connected to the web for a better management of all industrial machineries.