



COMERIO ERCOLE

QUALITY & TECHNOLOGY SINCE 1885 ITALY



PRESS RELEASE "K2022 PREVIEW"

COMERIO ERCOLE is a leading Italian engineering and manufacturing company, founded in 1885, specializing in rubber and composite material processing and in the machinery used to manufacture such products. The company is well known globally for its focus on innovation, quality and environmental protection.

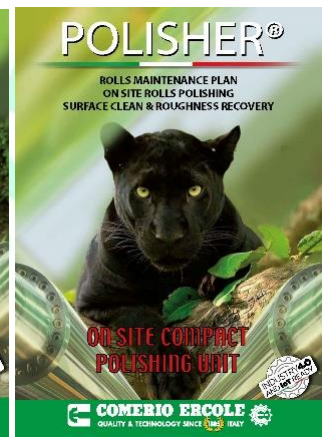


During **K 2022 COMERIO ERCOLE** will present some very important technological innovations recently developed in its plastic and rubber main field of activity.

COMERIO ERCOLE has recently introduced a new Digital Platform named **HERCULES40®** which is aimed to supply to **COMERIO ERCOLE** customers a data-driven analysis tool for a continuous improvement of production process, including energy consumption optimization, as well as added value after sales services.

Thanks to the sharing of data on the platform, **HERCULES40®** enables new digital services to increase the efficiency of the machines and optimize the customer process creating a data-oriented collaboration.

COMERIO ERCOLE is more and more concentrated on the end user support and two recent new products have been presented to our customers just reconfirming our firm commitment "on site" rolls maintenance process. The "heart" of any calendaring process is linked to rolls status therefore we have developed two alternative tools supporting "on site" maintenance process. With **SANDBLASTER** any need to keep and/or recovery of a certain roughness is now permitted as well as with the **POLISHER** any need to clean and recovery rolls surface is now permitted too with dedicate "on site" tools put at disposal of maintenance team.



COMERIO ERCOLE is constantly innovating in terms of high technology and reliable advanced process with a constant and qualified investment in INDUSTRY 4.0 sector.

COMERIO ERCOLE staff will be happy to welcome you at our stand, Hall 16 Booth 16F21.



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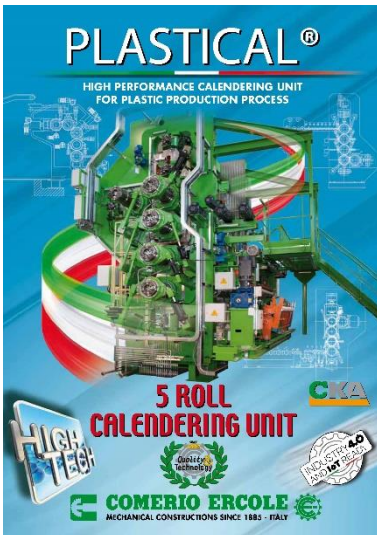
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Specifically, for Plastic Calendering file **COMERIO ERCOLE** will present a revolutionary calender named **"FLEXI"** at high-precision hydraulic roll positioning suitable for PVC sheets, and designed with 4 or 5 rolls according to the type of processed product (soft or rigid PVC). The new inverted L calender configuration (engineered as Industry 4.0 concept) allows a wide range of applications as it is designed to work with 3 lamination banks like a 4 roll calender or alternatively with 4 lamination banks like a 5 roll keeping the same post calender stretching-embossing unit of the film.

Several other innovations concerning plastic film calendering filed have been introduced specifically around embossing technology as well as calendering process. The involved new **"FLEXI"** concept has been patented accordingly. **COMERIO ERCOLE** is constantly on customer side providing R&D servicing also, all this based on the brand new calendering laboratory now available at their site for any specific technological test and new process development.

During K2022 **COMERIO ERCOLE** will present the **ENGINEERING** department **INDUSTRY 4.0** recently re-organized in order to grant to all our customer 360° integrated services for green field calendering project, the most recent realized plant into turn key 4 and 5 roll plastic film calendering plant will be presented as well as for fabric and steel cord calendering process.

With a strong commitment in in the automation of the Mixing Department, **COMERIO ERCOLE** design and manufacture a totally automatic system named **"ROLL MILL MATIC"** for the preparation of rubber compounds, both masterbatch and final one, and possibly also a new process that produce the final compound in a single step. The basic concept of this plant is to make the mixing process completely automatic, from the production of compounds in the internal mixers, to the preparation of the rubber sheet on pallets, ready for the next calendering operations.

Several other innovative machines will be presented by **COMERIO ERCOLE** team especially into mixing and calendering filed based on the wider worldwide calender recently realized **"GIANT 6.8 meter roll width"** for the production of innovative product made of thermoplastic materials and for use in he field of thermal/acoustic insulation.

COMERIO ERCOLE with 5 operational sites in ITALY and branch service all around the worlds, having 250 skilled technicians grant a fully integrated 360° service from eventual laboratory test to the engineering phase, construction, installation and start up for plastic, rubber and nonwoven machinery field. Finally **COMERIO ERCOLE** is ESG sustainability awarded as best into 2021 Italian ranking.



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