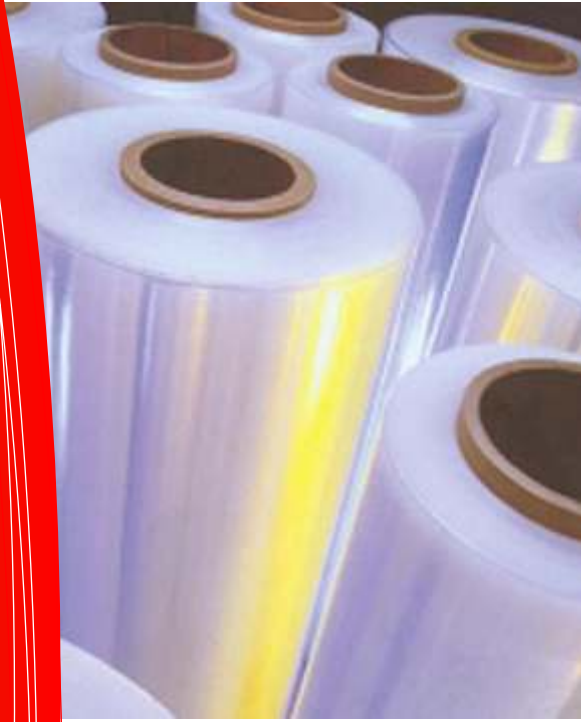


TORNINOVA[®]
MENCARELLI GROUP
PLASTIC MACHINERY



Compact **STRETCH 1.000**

machine for the production of cast
stretch film in hand and machine rolls



COMPACT STRETCH 1.000

PERFECTLY INTEGRATED SYSTEM WITH
HIGH DEGREE OF FLEXIBILITY

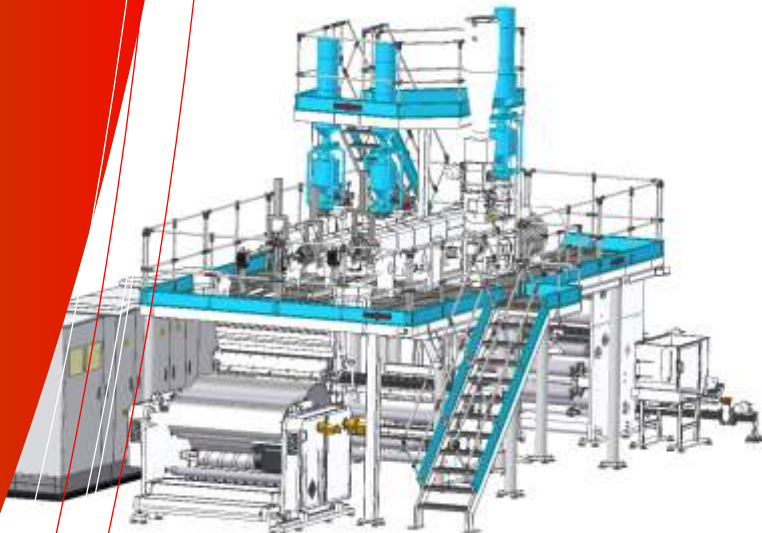
Detailed research and development work involving experienced renowned figures from the field of extruded PE stretch film began three years ago. Work was carried out with the support of some of the best known manufacturers of extruded components, together with experts from Italian and American universities. Results achieved from the research allow Torninova to offer the market the very best in stretch production film technology. Thanks to Italian and foreign customer-cum-partners, who have supported the research and

MAIN ADVANTAGES AND CHARACTERISTICS:

- IN-LINE MANUAL AND AUTOMATIC FORMAT STRETCH FILM ROLL PRODUCTION ON 2" O 3" CORES.
- GUARANTEED HIGH-QUALITY FILM WITH THICKNESS RANGING FROM 8 TO 40 MICRONS.
- AUTOMATIC ADJUSTABLE SERIES HEADS PERMIT HIGH PERFORMANCE STANDARDS (NET OUTPUT: 600 KG/H, SPEED: ABOVE 550 M/MIN).
- MAXIMUM PROCESS AUTOMATION (1 SOLE OPERATOR).
- REDUCED ENERGY CONSUMPTION.
- AUTOMATIC FLAT DIE WITH X-RAY THICKNESS MEASURE CONTROL.

flexible solutions for your business needs

development phases and purchased prototype systems, it has been possible to test and monitor each individual process and component as if under constant production conditions, and make real time adjustments to product performance. **The results achieved consist of a perfectly integrated system comprising cutting-edge component quality, with undeniable levels of reliability, which have been calibrated and arranged to meet the requirements of a high-performance compact cast line requiring a high degree of flexibility and low energy consumption.**



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WE ARE PRESENT AT THE MOST IMPORTANT
PLASTIC EXHIBITION!**

ANALYSIS OF THE VARIOUS SYSTEM COMPONENTS HIGHLIGHTS THE PRESENCE OF THE FOLLOWING:

LLPOWEREX® extruders (with alternating current motors and infrared heaters to ensure limited maintenance and energy consumption) with screw profiles specially developed to guarantee perfect LLDPE extrusion.

The **SWIFTCOOL®** chill-roll unit with dual cooling rollers (ensuring total material stabilization). The unit carries out the finest and fastest controlling function of



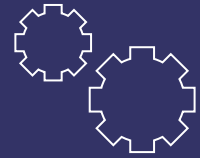
extruded film thanks to its dual-chamber air knife, integrated x-ray thickness measurement device (guaranteed thickness even involving coloured stretch film) and automatic head adjustment.

The determining component in the line, the **QUICKSILVER-4S®** winder is fast and reliable (minimum cycle time of 12 seconds) and allows the machine line to directly rewind the stretch film to the reel suitable for manual and automatic use, in format width ranging from 125 mm, to 250 mm, 450 mm and 500 mm. A further component that sets the machine apart from other systems is the **FULLFEED® trimming system** with a forcing device specially-designed for the type and quantity

of stretch film trimming required in a 1-metre compact stretch line. This enables the total recovery of all sucked and chopped trimmings in the main extruder line as well as allowing for any variations in pressure, even in the event of frequent changes in production operations and operating speed and, as a

consequence, film thickness.

The **FULLFEED®** system eliminates any potential non-uniformity in film thickness, including longitudinal sections



INTEGRATED SOLUTIONS

The new "Compact Stretch®" system is not simply the sum of standard components from various processes brought together but, on the contrary, a developed, tested and made-to-measure integrated system in order to produce high quality co-extruded cast PE stretch film onto reels for manual or automatic use, with the maximum simplicity and flexibility.



FAST AND RELIABLE SOLUTIONS

The 1,000 mm Compact Stretch machine produces more than 600 reels manually per hour. These are packaged in cartonboard boxes containing 6 pieces (thanks to the automated packaging system) and then immediately available for delivery to the end user.



AUTOMATED SOLUTIONS

Main control panel managed by PLC, complete with supervision software managed through touch screens that allows the planning and the control of the whole plant. The production control occurs by formula that the operator can personalize according to the co-extrusion percentage he needs and to the speed of production. Remote control by internet for machine inspection and customer service.

we are member of:



Assocomplast
ASSOCIAZIONE NAZIONALE
COSTRUTTORI DI MACCHINE E STAMPI
PER MATERIE PLASTICHE E GOMMA

ABOUT US

«TORNINOVA Srl Costruzioni Meccaniche" located in Bastia Umbra (PG), Italy ,is a company specialized in designing, developing and manufacturing of machines for the air bubble film and stretch film production in all kind and size.

Thanks to the experience matured in more than 25 years of our technical staff and to the exploitation of a number of patented systems, we can offer the best solutions to the market requests with the guarantee of a high technology final product.

The continuous technological and hi-tech updating joined with a highly qualified team, allow TORNINOVA S.r.L. to operate all over the world with efficiency, professionalism and effectiveness.

The company is supported by a young, dynamic and long experienced staff and has always been able to produce almost custom plants with particular care for the quality in order to follow any market requests. The new ideas in the design, the assembly precision, the good materials used, the high control of our supplier, the efficiency of the software together with the constant availability of our technicians, offer to our costumers a solid guarantee.



machine in collaboration with:



TORNINOVA[®]
MENCARELLI GROUP
PLASTIC MACHINERY

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