TRAMU
The Revolutionary Agglomeration Unit for Chemical Plastics Recycling

PREVIERO N. with its division SOREMA has been a market leader in plastic mechanical recycling since 1974, establishing a benchmark position in the industry for high quality recycling solutions.

Although mechanical recycling, is a well-established technology and remains the first choice for plastics recyclers due to its high efficiency, chemical recycling is now emerging, as a fundamental step to close the recycling's loop, particularly for handling heterogeneous plastics fractions that pose challenges for mechanical recycling.

A significant challenge in **chemical recycling** today is the efficient preparation of the input material by processing a **mixed plastics fraction**, by handling light, thin, and flexible plastics with high moisture content. The goal is to convert these materials into a dense, dry product with densities exceeding **300-350 kg/m³,** while maintaining consistent quality and low energy consumption.

PREVIERO has re-engineered in the context of the chemical recycling its **TRAMU** a continuous agglomerator with double degassing and CALANDER, with contemporary features to enhance its performance to provide a robust solution to sector challenges.

The Key features of TRAMU are the capability to agglomerate the plastics at temperature 20-30% lower than normal extruder and to remove the moisture and the gases at ambient pressure. By operating the machine under the above condition, the TRAMU boasts **the lowest energy consumption**. Easy feeding and wearing have also been strongly controlled while the final density is granted with a calendaring degassing step before the final grinding.

The TRAMU is available in three models, each to suit different scales of operation, with capacities ranging from 600 kg/h to 3000 kg/h.

For more information on how the TRAMU can enhance your recycling operations, visit Sorema website (www.sorema.it) or contact our sales team for a detailed consultation (sales@previeo.it).