

AMUT recycling technology selected for Australia's largest post-consumer polyethylene recycling plant



(Novara, Italy – 19 January 2022) – AMUT announced that its Ecotech division has been awarded a contract to design and supply an advanced plastics recycling plant for the largest post-consumer polyethylene recycling facility, converting locally collected kerbside materials into high quality food grade rHDPE and rPP resin, in Australia.

AMUT has been selected as turn key supplier for Pact Group and Cleanaway “Choir” new project, including a new plastic waste recycling plant in Victoria, which will trade the material produced as Circular Plastic Australia, to supply the PRF (Plastic Recovery Facility) and two washing lines for PE post-consumer.

The PRF fed in bales coming from an existing MRF will treat a stream of mixed plastic bottles in different polymers and colours, pots, trays and non-packaging plastics, ferrous and non-ferrous materials.

The plant is expected to process 20,000 Tpa up to 24,000 Tpa, the PRF will sort out valuable materials such as:

- Natural color HDPE containers
- Colored HDPE containers
- PP containers

These materials selected from the PRF and stored in separate buffers will be properly and automatically dosed to two washing lines, the first one with an output of 2,000 kg/h dedicated to Natural Color HDPE Containers and the second one with the same output dedicated to Color HDPE or PP containers. Both washing lines, in case of needs, are capable to process Natural Color HDPE for food grade application.

The AMUT washing lines are equipped with the best technical solutions to guarantee high purity of the final PE flakes and in particular the perfect removal of organic and inorganic contaminants and separation of PSA labels and glue. In addition, a double stage friction washing system completes the delivery, as did for the country's largest PET recycling facility in Albury where AMUT supplied the post-consumer PET bottle sorting and washing line, along with the final polymer and color flake detector.

These highly automated washing lines ensure extremely low operational costs with reduced power and water consumptions.

The plant is scheduled to be operational by the end of 2022.

“We see many opportunities for AMUT advanced technologies in recycling applications” said Commercial Director Giovanni Cattaneo. AMUT is recognized worldwide for its high-performance, reliable PRF and washing lines that are well suited to divert thousands of tons of plastic from landfill or preventing its dispersion to the oceans each year, significantly reducing environmental impact. Our recycling technology plays a key role in converting post-consumer plastics into a valuable resource and we are really excited to contribute again in a new plastic circular economy project in Australia, where we are currently completing the Duet Project, another milestone towards Australia’s transition to a circular economy”.

About AMUT

AMUT, established in 1958, is a global plastic processing, recycling and waste sorting & recovery systems designer and manufacturer. Over the years the company has evolved considerably providing customers with an increasingly extensive range of high-quality Extrusion and Recycling, turn-key plants and related Services. The world Headquarters and production facility is AMUT S.p.A. which is located in Novara (Italy). Candeliù (Italy) completes the manufacturing sites. Operating globally, the offices and customer service centers are strategically located in U.S.A., Canada and South East Asia. This international presence is further enhanced through an efficient worldwide agent network. Learn more at www.amut.it
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