

PET SOFT DRINK BOTTLE RECYCLING PLANT IN MYANMAR WITH SOREMA TECHNOLOGY “WHEN REALITY MEETS EXPECTATIONS”

SOREMA Division of Previerio N. SRL is pleased to announce the achievement of all qualitative and quantitative parameters at the start-up of the PET post-consumer bottle washing and recycling plant at **Commercial Plastics Co. - CPC** in Yangon, Myanmar (Burma).

Andrea Villa, Senior Technical and Sales Engineer of Sorema describes the newly started up plant as follows:

“After conducting a wash and recycle trial on the plant at our **Recycling Research Center - RRC** in Alzate Brianza with CPC collected dirty bottles, we developed the parameters to design a 2,200 kg/h flakes output plant, which would make their material able to be reused to produce soft drink bottles again”.

Villa then continued: - “The material test, conducted at SOREMA's RRC laboratory, has verified that most of the local market collection consists of small-format bottles between 330 cc (mL) and 1000 cc (mL) with a high-level contamination from PVC labels, sand, and abrasive materials. Based on this analysis of the material to be processed, SOREMA thanks its robust and efficient design, has developed and manufactured a line BtoB for SEA, which features a series of customizations to be considered as standard throughout all South-East Asia (SEA) PET bottles recyclers.”

The following machines, have been carefully built with the high-quality components, starting from the pre-washing module for removing labels and for optimal cleaning of the material surface. In fact, this technology prepares the material for a better sorting of the bottles and reduces the overall wear the whole line and without compromising the lifespan of the delabeler, which has an expectation of its first maintenance only after several months.

Subsequently, efficient removal of PVC labels is achieved with a combination of delabeler, wet elutriator and material detectors. This technology achieves the highest standards required by major brand owners for their rPET.

Because the SEA market is quickly evolving from PVC to PP labels, we would like to underline the importance of Sorema technology, that removes with high efficiency the glue of the labels.

SOREMA has also paid particular attention to the possible wear conditions due to local collection where the level of sand in the input bales is elevated.

Mr. Ryan, technical director of Commercial Plastics Co. Ltd. confirmed the results to us: - “The SOREMA plant, which we chose after careful evaluation, has been installed in Yangon and **reality meets** our expectations. We ordered it to recycle “post-consumer PET bottles” from collection throughout Myanmar. With the SOREMA plant, we have thus provided an industrial-scale solution to the problem of plastic pollution in Myanmar”.

He then continued: -“Our main problem was the large amount of PVC labels in the incoming bales of material, and this contamination was brilliantly eliminated by Sorema. At the end of the process, the expected results in terms of quantity and quality produced have been achieved. It is possible for us to reuse in high percentages our recycled material in new PET bottles production. Our engineering group has worked closely with SOREMA's design, production and installation teams, and the cooperation with its engineers was outstanding, both in terms of clarity of information and support in managing the recycling process. I can then only confirm the excellent after-sales service and availability of spare parts boasted by SOREMA. I believe that we at CPC look forward to working with Sorema again.”

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