

REDUCE WASTE VIA 塑膠再生 | 為地球減廢 | RENEWABLE PLASTIC

Echoing the global environmental trend, Tai On is devoted into the sustainable recycling industry by recycling and reprocessing plastic waste. 泰安響應全球的環保趨勢，透過回收塑膠廢料進行再造，為這個可持續發展的行業出一分力。

Non-biodegradable plastic materials have become a major environmental threat in Macao and the rest of the world, adding great burden to the landfills. Recycling plastic materials is with no doubt an important item in the agenda of waste minimization. While the global community is getting more environmentally conscious now, Tai On Environmentalist Recycling & Regeneration Factory Limited sees a great sustainability in recycling business as recycling could help conserve resources and reduce pollution. Recycled and reprocessed plastic waste will become renewable plastic pellets and crushed plastic particles that can be used to produce various plastic goods, significantly contributing to the protection of our environment.

Wide-scale applications for renewable plastic pellets

Following the increase in the market price of petroleum, the prices of plastic products have also been raised given that plastic is a by-product of petroleum. On the

無論在澳門還是在其他國家和地區，難以分解的塑膠物料對周圍環境甚至堆填區等均造成沉重的負擔，因此，近年來塑膠廢料回收已成為減廢的重要項目之一；泰安環保回收再造廠有限公司明白到環保已成為世界各地的社會文化，而且廢物回收及循環再造不但可以節約大自然資源，更可減少對地球的污染，絕對是一門可持續及循環發展的產業。回收的塑膠廢料經過重生後，成為再生塑膠粒及塑膠破碎料，並可製成不同種類的塑膠產品，真正為環保增添動力。

循環再造 應用途徑廣泛

作為石油衍生物之一的塑膠製品近年價格不斷上升，但棄置的塑膠物品如膠樽、容器、塑膠袋、電子產品及家用電器等均含有大量塑膠成份，這些塑膠廢料對環境造成極大負擔，但從事廢料回收並不容易。泰安環保則以專營塑膠回收屹立於市場，於2009年開始收購廢塑料並生產再生塑料粒及塑料破碎料，成為塑膠製品的原料，再出售予塑膠產品製造商，以製成各式各樣的塑膠產品。例如在商業用途上，可製成電器外殼、電線及電纜的保護管道、監測及控制儀器、塑料卡板、建築業常用的發泡膠板、農用薄膜、花盆、水桶等、照

Plastic caps to be recycled.

回收的塑膠樽蓋。

other hand, our environment has been under great burden with a great number of abandoned plastic materials including bottles, containers, bags and other plastic components from electronic goods and home appliances. Though plastic recycling involves lots of inputs and is obviously not an easy task, Tai On started its business in the field in 2009 and has positioned itself as a specialized plastic-recycling company since then. Tai On turns wasted plastic materials into renewable plastic pellets and crushed plastic particles, which are then sold to plastic manufacturers as raw materials for new plastic products. In the commercial field, these materials can be used to produce cases for electronic goods, protective pipes for electrical wires and cables, monitoring and controlling instruments, plastic pallets, polyfoam products for the construction industry, agricultural plastic films, flower pots and buckets, as well as lighting devices and consumer goods. They can also be consumed in manufacturing of public amenities like vending machines, communication devices and sports facilities. Some manufacturers may also mix plastic pellets with other raw materials to suit the various purposes of other end products. Some plastic materials such as large bottles and other plastic broken pieces may be hard to be processed and turned into plastic pellets. As a result, these materials will be re-classified, crushed

Clockwise from top:
Renewable plastic pallets;
Director Mr Ao; plastic
products to be recycled.

順時針由上起：再生塑膠
粒；董事長區先生；回收的
塑膠產品。



明設備及消費類產品等；在公共設施方面，可製成自動售賣機、通訊設備、休憩場所之運動設備等。一些製造商更會把膠粒與其他原料混合，以配合成品的製作。部份廢塑料如大瓶子及塑膠破碎物未能加工成塑料粒，需運到廠房後再作分類、破碎、再包裝，然後再交予其他合適的廠商處理。由此可見，這些再生膠粒用途廣泛，在減廢的道路上功不可沒。

建基澳門 服務社會

泰安環保建基於澳門，於青州跨境工業區設置廠房，多年來不斷增撥設備及資源，以提升廠房及產品的質素，以達致有限資源的良性循環再生，貫徹該公司「善用資源、循環再造」的理念。以往這一類回收行業的大規模業務較少，缺乏經濟化及企業化的管理，但泰安環保一改舊有模式，憑藉政府的協助跳躍發展，改變了落後的經營方式。預計澳門每年需回收的廢料將會增至二千噸左右，如果不及時處理，就會對環境造成重大威脅，亦會嚴重影響本地居民的生活，因此泰安環保建立這項可持續發展事業的同時，也為保護環境出一分力。

為了提供更到位的服務，泰安環保自設車隊，方便直接聯絡住戶、個體商戶回收可再生物料，除了回收塑膠類、五金類和廢紙類，還承接了澳門酒店、商場，工廠、街坊大廈、商業大廈、學校及社團中心的相關項目，比如上門清拆或清理裝修現場。泰安環保盡一切力量幫助客戶解決問題，秉承「誠信第一、客戶至上」的信念，所以一直以來客戶都放心地與泰安合作，共同實踐環保減廢的理想。M

and re-packaged, and then distributed to other manufacturers for further processing. Having an array of different applications, renewable pellets have taken up a major role in waste minimization.

Macao-based company with social responsibility

Tai On is a Macao-based company with a production base in Zhuhai-Macao Cross-Border Industrial Park. Throughout the years, Tai On has been constantly upgrading the facilities and equipment in the production base in order to improve the quality of plastic pellets and turn limited resources into renewable materials. Such moves are indeed realization of Tai On's philosophy: "use the resources efficiently via recycling". While many of the other players in the industry are running in a small scale and lacking in economical and specialized management, Tai On has reshaped the old-fashioned operation style via collaborating with the government. Given that the recycling volume in Macao is estimated to reach 2,000 tons annually, the waste problem could constitute a great problem to the environment and everyday life if no appropriate recycling measures are taken. Striving to establish and booster this sustainable business, Tai On is playing its part to protect our environment.

“Tai On has established itself as a trustworthy partner on waste minimization and environmental protection.

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Tai On provides all-rounded services by setting up its own transport teams to collect renewable materials in residential and commercial districts. In addition to plastic, metals and waste paper recycling, Tai On has also teamed up with various hotels, shopping malls, factories, residential buildings, commercial buildings, schools and other community centers in Macao for projects like on-site demolishing works and clean-up works. As a client-oriented company, Tai On upholds the philosophy of "putting integrity and customers at the first place", doing its best to address its clients' concerns. With such an attitude, Tai On has established itself as a trustworthy partner on waste minimization and environmental protection. M



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