

A photograph of an industrial recycling facility. In the foreground, a blue conveyor belt system is transporting white plastic flakes. To the left, a large grey machine with a digital display is visible. In the background, there are stacks of green and white sacks, and a worker in a white shirt is partially visible. The scene is lit by overhead industrial lights.

Sesotec sorting technology replaces manual sorting of PET and PVC flakes

 **PT REJEKI ADIGRAHA**
PVC Compounder & Recycler, PET Recycler, General Plastic Recycler

PT. Rejeki Adigraha (Indonesia)

Product:

FLAKE PURIFIER

PT. Rejeki Adigraha is a well-known plastics recycling company in Indonesia primarily specialising in the recycling of PET and PVC materials. PT. Rejeki Adigraha is headquartered in Jababeka Industrial Area – the largest industrial area in Southeast Asia. With about 150 employees the company reaches a recycling capacity of approximately 1000 tons of PET and PVC per month.

PT. Rejeki Adigraha already was established in the year 1986 under the name of UD Rejeki Adigraha. At the beginning of its corporate history the company operated as a small trading company for PVC pipeline component brands and later also established itself as a manufacturer of rigid PVC granulate especially for pipeline components.

At that time PT. Rejeki Adigraha was the first company in Indonesia that produced recycled PVC granulate for the pipeline component market. In addition to granulate the company also produces PET flakes that are used as starting material for the polyester industry. PET products at present mainly are exported to China.

Sesotec Asia, one of Sesotec's eight subsidiaries, based in Singapore, established the contact with PT. Rejeki Adigraha.

PT. Rejeki Adigraha has replaced the manual sorting of PET and PVC flakes with automated sorting technology of Sesotec. "With the FLAKE PURIFIER multi-sorting-system we have achieved a clear increase in efficiency. The quality of recycled plastics is guaranteed at highest levels and without any quality fluctuations," confirms Mr. Dede Indrapurna of PT Rejeki Adigraha.

The recycling process of the Indonesian company starts with plastic materials from residual waste and plastic flakes containing 70 percent PVC and 30 percent other plastics, mainly PET. The material first is shredded to obtain parts of approximately the same size, and then passes through washing and drying processes. In the next plastics processing step Sesotec's FLAKE PURIFIER multi-sorting-system is used for the separation of PVC. The FLAKE PURIFIER sorting system was specifically developed for applications in the plastics recycling industry. The especially adapted small conveyor ensures that the plastic flakes are optimally singularised. In addition to the sensors for metal and colour separation Sesotec also provides a high-performance module for the detection

of contaminations, which also include different types of plastics. Depending on the application these sensors are used individually or in combination.



Bei PT. Rejeki Adigraha wird zur Kunststoffaufbereitung das Multi-Sortiersystem FLAKE PURIFIER von Sesotec (links im Bild) zur Separation von PVC eingesetzt.

PT Rejeki Adigraha today can look back on more than 20 years of experience in plastics recycling. By using state-of-the-art recycling technologies the company has expanded its PET flake and PVC granulate production and thus is able to provide its customers with materials of highest quality.

Sesotec - an overview

The Sesotec group is one of the leading manufacturers of machines and systems for contaminant detection and material sorting. Product sales primarily focus on the food, plastics, and recycling industries. Sesotec's global presence includes subsidiaries in Great Britain, Singapore, China, USA, France, Italy (2), India, Canada, Thailand, a representative office in Turkey, and more than 60 partners all over the world.

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