



News

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Economic Raw Material for the Production of Plastic Drums

A greek manufacturer, established successfully in the market for the production of plastic drums, searches a way to reduce his resin costs and secure this continuous.

This was the domain of PLASTMACHINES International GmbH with their know-how and the successful machinery program for the repelletizing of used drums and production waste.

After intense discussion the decision has been

made for the pelletizing line PME 100/35 with 35 D screw length, an integrated degassing system as well as a continuous operating screenchanger who enable the exchange of filters without interruption of the production.

The decision for the water-ring pelletizing was from the matter of expenses



Pelletizing with picturesque view

the most advanced to produce pellets like virgin material.

With a production of approx. 500 kg/h, a total amount of 12 ts can be achieved. This enables a massiv substitution of

virgin resin and is becoming an important calculation factor for the company.

Compared to virgin material the costs are considerable less and enable a very competitive calculation of production. At the point of delivery there was just the roof of the production hall ready. But time was money and a few days after installation the machine started production. Due to summer time the operator has beside the work a picturesque view to the Egean Sea.

The new UWG together with the screenchanger in continuous operating execution – an unbeatable system



Underwater pelletizing is a future orientated alternativ to reprocess plastic waste materials to high quality resin.

Combination Line ZTE 80 for the Reprocessing of EPS-Packaging



Combination Line ZTE 80 for the Reprocessing of EPS-Packaging in action.

The wide extension of the industrial assembling with the linking of sub-suppliers require a constant use of intelligent packing systems to avoid any damage on transport and to enable production of the automotive industry „just in time“.

Due to this the waste mountain piles up and the request for economic and suitable recycling systems is raising consequently. Especially the EPS-packaging is enormous bulky.

This business has been evaluated by an Czech company and they started first to assure the collection system and had already contact to PLASTMACHINES and with the corresponding waste quantity in their yard they decided for the

pelletizing line ZTE 80/35 – a combination system for densifying the volume and obtain the highest possible throughput on the extrusion line.

The automatic screenchanger system guaranteed the best quality of melt and the pellet was consequently comparable to virgin material. This enables the sales to a wide spread usage for all sorts of products.



The new UWG together with the screenchanger in continuous operating execution – an unbeatable system

Beside strand – and water-ring pelletizing systems a raising number of customers are deciding for underwater pelletizing. Well known in the sector of virgin material it is now finding its way also into the recycling application. The space requirement is reduced for the ancillary equipment. Breaking of strands and plastification of the die holes system is eliminated.

The use of the continuous screenchanger with cylindric filter candles are enabling a much extended constance of pressure with the result of improved production conditions even with higher contamination.

The use of the backflush is extending the life time of the screens and enables a further automatisaton and reduces the production costs additionally.

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