



## News

Edition 04/2006

### Pelletizing of Polyamide fibres – a successful story

**It seems to be impossible – but it works**

In spite of high labour costs it is possible to be profitable if you choose the right machinery concept.

With the combination line ZTE 120 with 35 D screw length you can reprocess Polyamide fibres in an economic way.

The pre-cut fibre material will be stored in a silo system and then according the requirement of the extrusion line automatically fed into the reactive dryer.

Through its intense rotation force the material will be continuously heated, this enables the efficient drying, compacting and stuff-feeding into the extruder. Now the pre-treated fibres will be plastified. The strong vacuum system will absorb the final remaining moisture to allow the intense homogenisation.

The large dimensioned filter system guarantees the highest possible cleaning of the plastic mass.



PA-Reprocessing in action

Through the die system the strands will be sized to enable a constant and uniform cooling in the water bath. Now it is possible to cut the strands into cylindrical pellets.

A classifier enables the sorting of the pellet quality to suit the highest quality demands of the customers under consideration of the variety of material specifications.

A wide experience is the solid basis for the success.

Plastmachines has developed a reliable machinery concept which enables the highest profitable business for their customers.

### The new generation of the continuous operating screenchanger in hydraulic execution



As the new developed continuous operating screenchanger in hydraulic execution has been proven on a wider scope of applications the interest is raising strongly.

### Thin-walled stretch film profitable transferred into pellets



#### Combination line ZTE for the reprocessing of PE stretch-film

The well established company already was trading with thin-walled packaging film since a long time in Slovakia.

But the collecting and trading was a strong fluctuating business and therefore the customer was searching a more safer basis business.

Here came the connection to Plasmachines and the choice for the repelletizing system of the combination line ZTE. This equipment is the answer to the request of the customers: first quality pellets under consideration of highest economic and reliability.

The film will be pre-cut and reactive heated and continuously densified for optimised feeding into the extrusion line.

Highest throughput and energy saving up to 50% are the basis for the economic success.

Evaporation of moisture and print inks will safely executed by the steam pressure in the reactive

vessel and an atmospheric as well as vacuum degassing system.

The continuously operating screenchanger with cylindrical screening system in hydraulic version will clean the plastic mass in highest possible purity to suit the demands of the raw material buyers.

The reliable die-face cutting with water-ring cooling is completing the compact unit with incorporated classification and safe drying of the pellets.

This new machine extension is a successful step for a profitable business and the customer is prepared for

any changes of the market.

PLASTMACHINES has a complete range of various sizes of corresponding pelletizing and compounding systems to fulfil all requirements of the market.



#### The screenchanger in continuous execution - an unbeatable system

The continuous or discontinuous operating screenchanger is a consequent development of the manual execution supplied all over the world for more than 30 years and is operating in far more than thousand extrusion lines successfully.

Due to its advanced cylindrical screening surface together with the integrated backflush the performance is unbeatable. Long cycles

of production runs without changes of flow properties an absolute minimized loss of material due to reduced backflush frequencies. The cylindrical surface enables the use of finest screenpacks at low and long pressure stability. Two executions of screenchangers are disponsible - one with one piston and another more sophisticated one with two pistons. Both are driven by hydraulic system.

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