



### Synergistic effects - Perfect!

The company „Wipa Plastmachines“ is a merger of Messrs. “Wipa Werkzeug- und Maschinenbau GmbH” and Messrs. “Plastmachines International GmbH”. Wipa Werkzeug- und Maschinenbau GmbH was founded in 1994 and specialized in the field of washing, drying, separating, agglomerating and size reduction of thermoplastic material.

Plastmachines International GmbH was founded in 1973 and acting in the field of extrusion, extrusion with melt filter and granulating.

### No one else!

The merger of these both companies results in Know-How with the appropriate product range, what offers over the handling of the input material, to refining, up to the finished granulate all from the own production. The big advantage, the customer gets everything from one source!

**SIZE REDUCTION – SORTING – SEPARATING – CLEANING – WASHING – DRYING  
DENSIFICATION – AGGLOMERATING – EXTRUDING – FILTRATION – GRANULATING**

### More than 800 times success!

The many years of experience of Messrs. Wipa and Messrs. Plastmachines, as well as the more than 800 delivered plants in more than 35 countries testify of customer satisfaction.



**WiPa Werkzeug & Maschinenbau GmbH**  
 48703 Stadtlohn | GERMANY  
 Tel. : +49 0()2563 20585-0  
 Fax.: +49 0()2563 20585-20  
 E-Mail: [info@wipa-germany.de](mailto:info@wipa-germany.de)  
[www.plastmachines.com](http://www.plastmachines.com)



EXTRUSION IN ITS PERFECTION

## WIPA SCREENCHANGER TYP WS



Continuously operating filter system with a  
**VERY LARGE** sized cylindrical screen area

## The System

The WIPA melt filter of the type WS is an automatic continuously operating backflush filter, which is used to filter out various impurities from thermoplastic material. Caused by the special designed geometric channel as well as by the double and very large sized filter area, there only is a minimum pressure loss while backflushing and changing of the screen. Due to the flow channel construction and the short distances of the melt flow, quick changes in material and colour are ensured and lowest thermal variation is guaranteed.



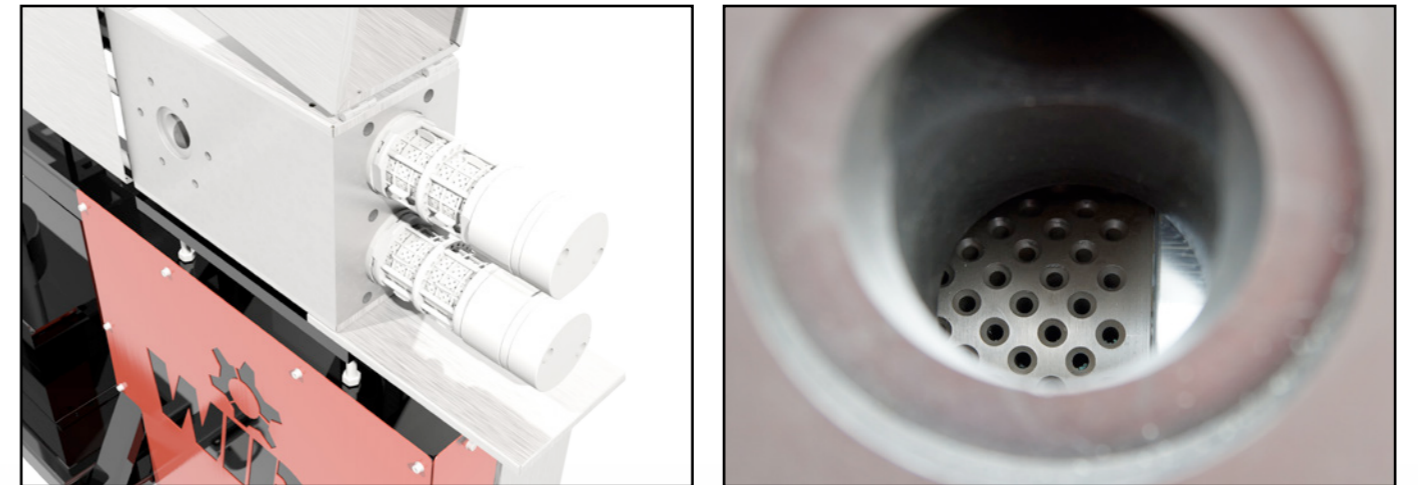
## The backflushing

During the process of backflushing already cleaned polymer melt is diverted and led from the reverse of the screen through the screen mesh. Because of this the screen is free rinsed and the impurities are carried out of the machine with help of an outlet.

This effective overall backflushing of the screen area reduces the loss of melt to a minimum and results in highest durability.

## The cylindrical design

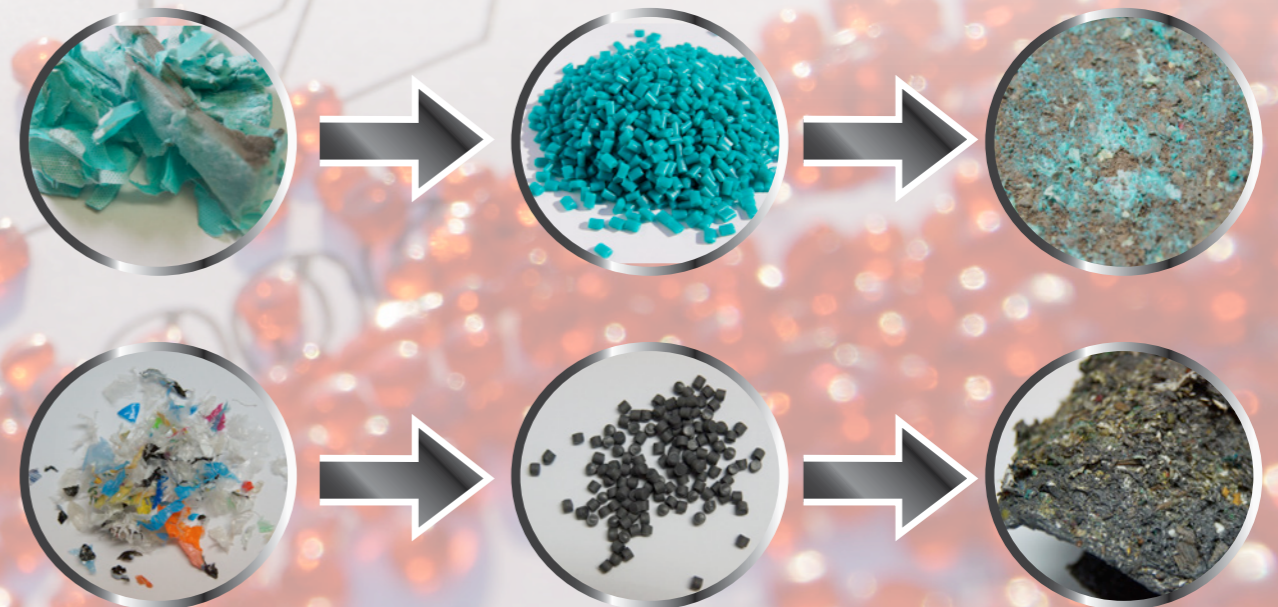
Due to the cylindrical design there is achieved a very large-scaled filter area with a substantial lesser space requirement than needed by every other screen changer in the market.



Type	filter surface in cm <sup>2</sup>	pistol diameter	comparable screen diameter of competitive in mm
WS 115	1088 (2 x 544)	112 mm	2 x Ø 255 oder 4 x Ø 180
WS 125	1800 (2 x 900)	120 mm	2 x Ø 340 oder 4 x Ø 240
WS 180	2970 (2 x 1485)	180 mm	2 x Ø 450 oder 6 x Ø 250
WS 185	3928 (2 x 1964)	180 mm	2 x Ø 355 oder 6 x Ø 250

As we are using this cylindrical filter area, the design of the screen changer is smaller compared with customary screen changers with a flat filter area. The advantages in a summary:

- smaller design, resulting in:
- lesser space requirement
- lower spare parts cost
- lower cost in energy (less heating)
- more reasonable in price



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