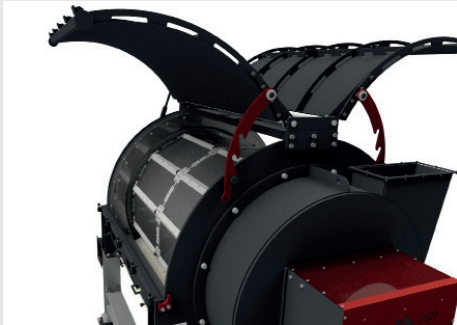




DRY CLEANER /
MECHANICAL DRYER



Wing doors = 270°

Maintenance for cleaning and maintenance work, the WIPA MD is equipped with generously designed maintenance flaps above and below the machine, allowing it to be opened almost 270°.

The large upper maintenance flaps are designed as wing doors, which can be opened by a hydraulic system.

Rotor

The MD series rotors are fitted with exchangeable blades. This enables the use of the most diverse variety of materials and geometrics, compatible with your material. Further advantage of the exchangeable blades is that the rotor itself merely functions as a carrier and therefore hardly suffers wear and tear.

During operation the rotor has a circumferential

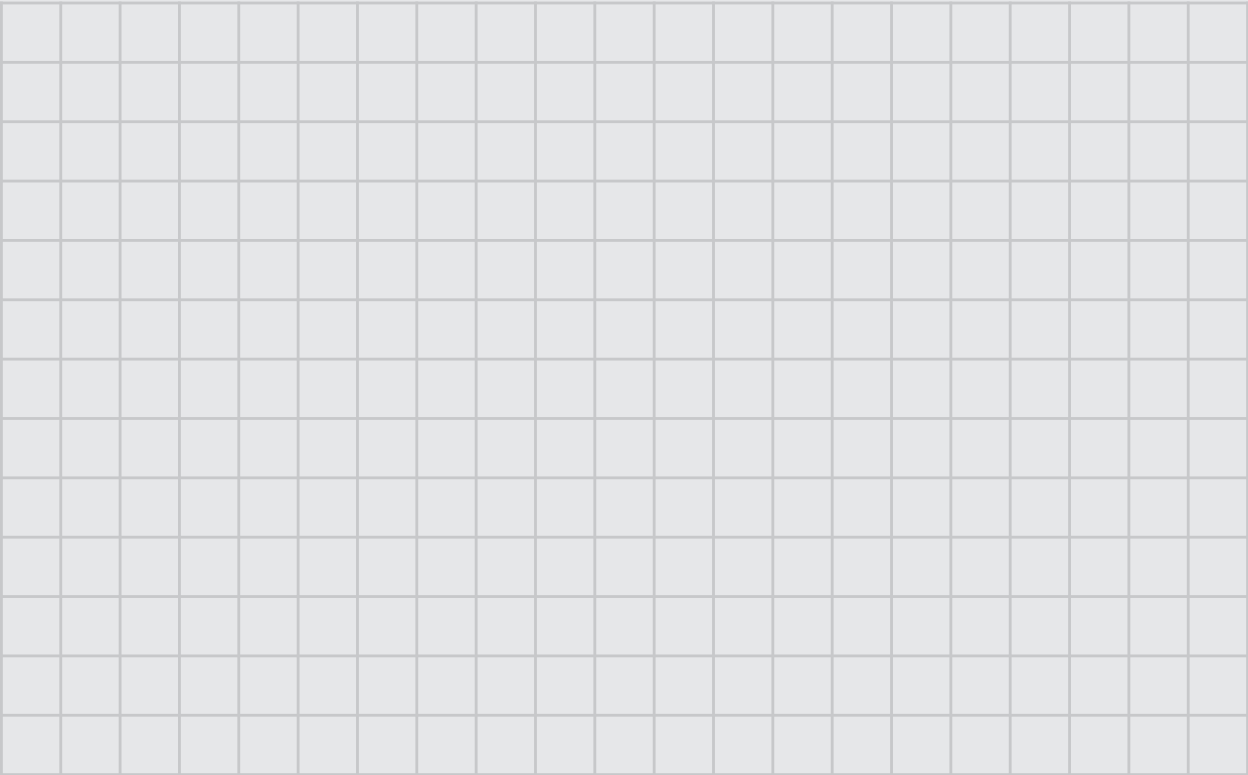
speed of around 80 m/s. This means the materials are exposed to very high centrifugal forces, ensuring optimal separation of impurities from the material.

On the discharge side the rotor is designed as an impeller, enabling pneumatic discharge and onward transfer of the materials. Additional transport fans are therefore not necessary.

TECHNICAL DATA	MD1000	MD1250	MD1500	MD2000
Rotor diameter	1000 mm	1250 mm	1500 mm	2000 mm
Rotor length	2900 mm	3500 mm	3500 mm	4400 mm
Screen area	10,1 m²	15,6 m²	17,6 m²	29,5 m²
Drive	75/90 kW	90/110 kW	110/132 kW	160/200 kW
Weight	5300 kg	7100 kg	8400 kg	15000 kg
Output up to	t/h	t/h	t/h	t/h
LDPE film	0,7	1,5	2,5	4
HDPE / PP regrind	2	3	4	8
PET bottle flakes	2,5	3,5	4,5	10
Beverage packaging	0,8	1,7	2,7	5

Output rate and technical data are experience values and can deviate depending on material type.

NOTES



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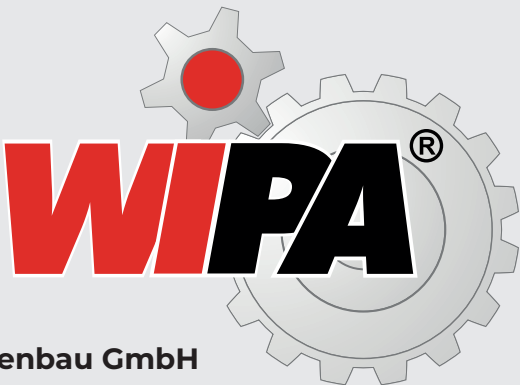


THAT'S THE WAY
TO RECYCLE

PRODUCT CATALOGUE
DRY CLEANER /
MECHANICAL DRYER



WIPA Werkzeug- und Maschinenbau GmbH



DRY CLEANER / MECHANICAL DRYER



DRY CLEANER / MECHANICAL DRYER

DRY CLEANER / MECHANICAL DRYER



TYPE MD



The process

The material is fed into the top end of the housing. The internal rotor, mounted with exchangeable blades, transports the material to the discharge side. Upon entering the machine, the material undergoes a strong acceleration, pushing impurities such as paper fibers, sand and organic substances as well as any adherent water, through the holes in the screen basket. To ensure consistent results the screen basket is being continuously cleaned. Depending on the type and degree of contamination as well as on the field of application, different contamination discharge systems can be used.

Screen basket

The polygonal shape of the screen basket ensures that the material is being continuously turned around, considerably improving the separation of impurities from it. An angular screen basket, such as integrated in the WIPA MD, offers a higher degree of cleaning in comparison to roundshaped screen baskets. More edges mean more friction and therefore better cleaning performance.

Changing a screen has never been as simple or cost-effective as it is with the new screen design of the WIPA MD series. The screen elements consist of simple, cost-effective perforated sheets, screwed onto a skeleton. As all sheets have the same dimensions, storage and spare part costs are reduced, because the elements can be interchanged or be replaced simply.

To change the screen elements, simply loosen the clamping elements which fix the screen on the skeleton by means of 3 - 5 screws (depending on the size of the installation).

The screen elements in the feed section of the machine are used more intensively than those in the rear part, which means they will wear out quicker.

As the dimensions of the screen plates in the front and rear part of the machine are identical, the screen elements in the front can be exchanged with those from the back and vice versa. This saves spare part costs, as the screen plates can be used longer.

Separate screen elements also enable the use of different screen perforations. For example, it

is possible to have a larger screen perforation installed in the feed section of the machine than in the rear. The screen elements are available in thickness of 2 - 12 mm. The perforation can be customized for individual materials. Standard screen perforation size is between 2 and 3 mm. However, other types of screens can be supplied, for example, with conical or angular perforations, as well as special screen elements for treatment of fibers or Big Bags.

The new innovative screen design offers significantly larger filtering surfaces than comparable installations, which leads to a considerable improvement of the separation, wash and drying results.

ADVANTAGES

- Effective drying of regrind fractions
- Effective dry cleaning without water
- Separation of water & impurities such as paper, organic and sand
- Continuous cleaning of the outside of the screen basket and the inside of the housing
- Screen easily exchangeable, 12-sided
- Drum rotor with interchangeable blades
- Lid in wing design, quick opening due to integrated lifting device

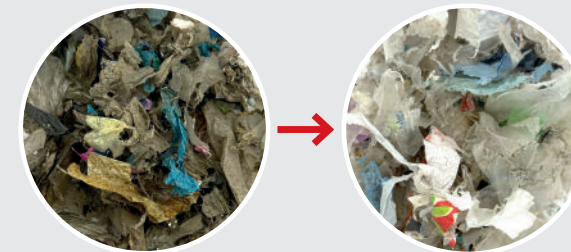
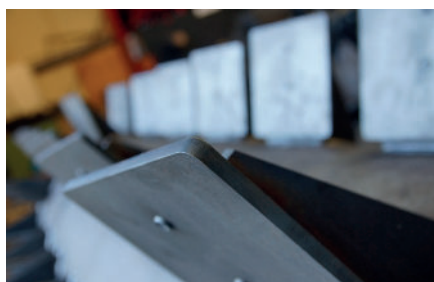


WIPA DRY CLEANER / MECHANICAL DRYER

The WIPA dry cleaner / Mechanical dryer type MD can be used for dry cleaning processes. Furthermore, the equipment can be used as a dryer. For example, after a washing line.

- **Dry cleaner**
Mechanical cleaning of plastic grinding material without water
- **Mechanical dryer**
Drying of plastic grinding material

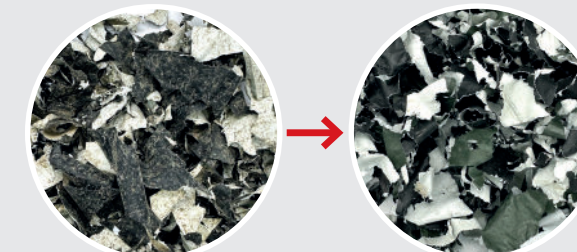
Cleaning without water:
WIPA dry cleaner



LDPE FILM (post consumer)
DRY-CLEANED



HDPE REGRIND
DRY-CLEANED



LDPE FILM (agricultural film)
DRY-CLEANED