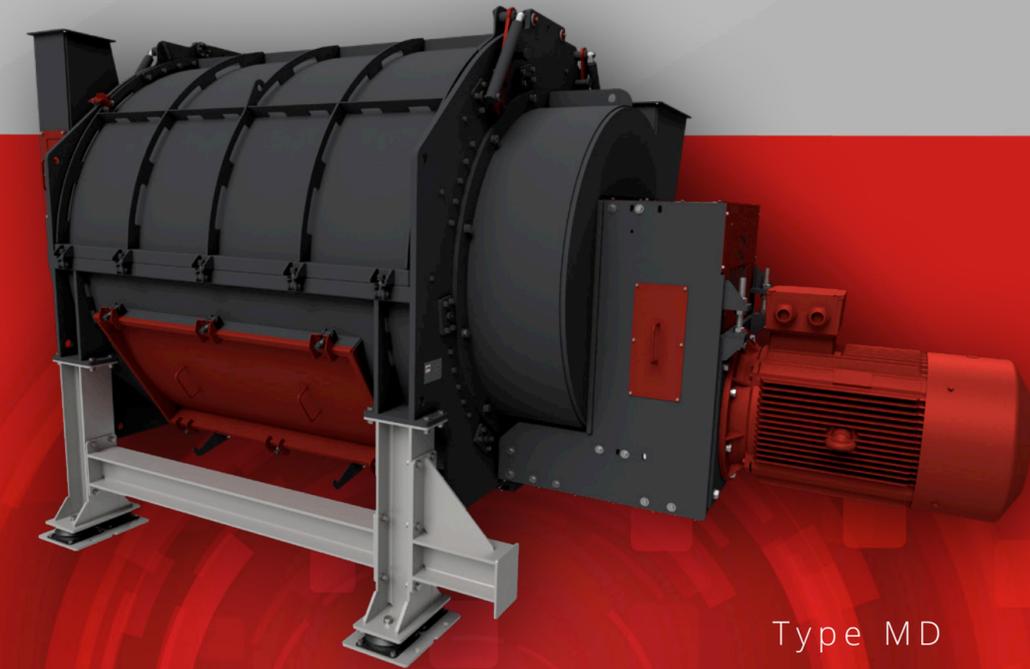




ENG

THAT'S THE WAY TO RECYCLE



Type MD

WIPA INTENSIVE CLEANER CENTRIFUGAL DRYER WASHING CENTRIFUGE



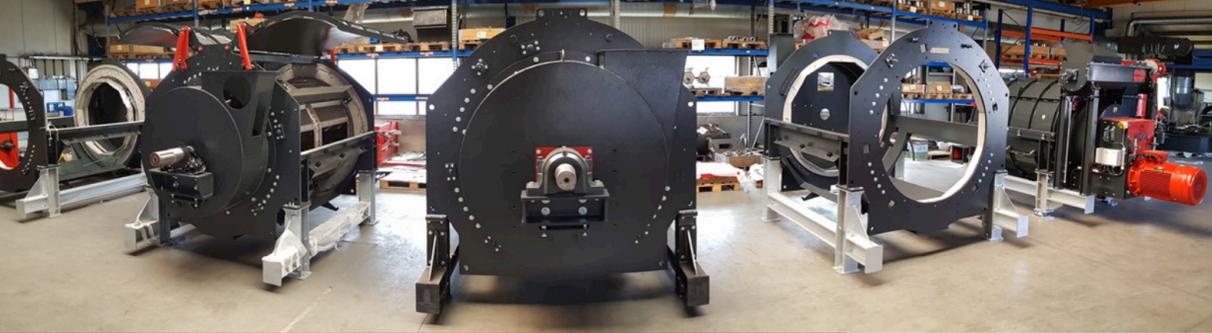
PRODUCT RANGE:

- PLAST COMPACTORS / AGGLOMERATORS
- GRANULATORS
- SHREDDERS
- GUILLOTINES
- PULVERIZING SYSTEMS
- WASHING SYSTEMS
- EXTRUDERS
- PELLETIZER
- SILOS



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WIPA: Your worldwide partner in field of recycling.

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 round-shaped 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 attach 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 to use 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 screen design offers significantly larger filtering surfaces than comparable installations, which leads to a considerable improvement of the separation, wash and drying results.

Advantages

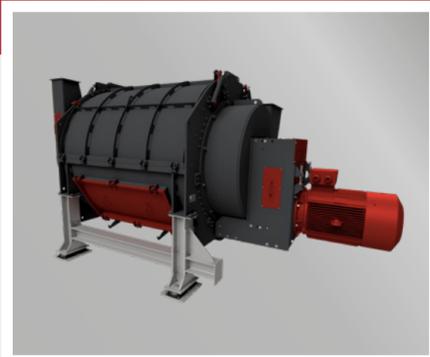
- Effective drying of granulated materials
- Effective dry cleaning without water
- Effective cleaning with cold or warm water
- Separation of water and impurities, such as paper, organic substances and sand
- Continuous cleaning of the screen basket exterior and the housing interior
- Screens can be easily exchanged, dodecagonal
- Drum-rotor with exchangeable blades
- Foldable cover, easy and quick to open due to integrated lifting device



Folding doors = 270° maintenance

For cleaning and maintenance purposes, the WIPA MD has been equipped with generously designed maintenance lids above and below the machine, so this can be opened to almost 270°.

The large top maintenance lids have been designed as folding doors which can be opened hydraulically.



Cleaning without water: Our WIPA Intensive Cleaner Type MD

WIPA Intensive cleaner

The WIPA Intensive cleaner type MD can be used for cleaning plastics with water, but also for dry cleaning processes. Furthermore, the equipment can be used as a dryer. For example, after a washing line.

Dry Cleaner

Intensive cleaning of plastic flakes without water

Centrifugal Dryer

drying of plastic flakes

Washing Centrifuge

effective cleaning with water

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

Technical data	MD500	MD850	MD1000	MD1250	MD1500	MD2000
rotor diameter approx.	500mm	850mm	1000mm	1250mm	1500mm	2000mm
rotor length approx.	2100mm	2900mm	2900mm	3500mm	3500mm	4450mm
screen surface approx.	2,4 m ²	5,4m ²	6,3m ²	10,2m ²	12,3m ²	22,6m ²
drive approx.	22/30kW	45/55kW	55/75kW	90/110kW	110/132kW	160/200kW
weight approx.	3.100kg	5.200kg	5.600kg	7.700kg	9.100kg	15.800kg
output up to	t/h	t/h	t/h	t/h	t/h	t/h
LDPE film	0,2	0,5	0,7	1,5	2	3
HDPE/ PP regrind	1	1,5	2	3	4	5
PET bottle flakes	1,5	2	2,5	3,5	4,5	6
TetraPak	0,3	0,6	0,8	1,7	2,2	3,5



BIG BAGS



HDPE REGRIND



LDPE FILM

