

**ecutec**<sup>®</sup>

A Company of NETZSCH Group

# MONSOON

Finest in Processing

CLASSIFIER FOR COARSER PRODUCTS



**ECUTEC 's MONSOON**  
whizzer classifiers  
have been developed  
for very economical  
coarse classification  
and dedusting  
of granulates

This type of classifier does not require any peripheral equipment such as fans, filters, etc. Feed enters the **MONSOON** classifier at a controlled rate from the top and falls onto a rotating distributor plate. The plate disperses the product into an adjustable airstream which is generated by the internal fan. The fines are entrained in the air stream and are carried over to the outer cone whilst the coarse particles fall down into the inner cone. The products are discharged from the bottom of the machine. This self-contained process significantly reduces investment, maintenance and operating costs.

The **MONSOON** classifier has been developed especially for the separation of fine products between  $45\text{-}300\mu\text{m}$ . High yields are achieved at very low specific energy consumption.

To improve screening efficiency the **MONSOON** classifier can be operated prior to a screening machine. This **MONSOON** is used to „de-dust“ the incoming material at typically  $75\text{-}125\mu\text{m}$ . This installation will not only improve the screening efficiency, but also produce a second „fine“ product. For abrasive products all rotating parts as well as all parts in contact with the product can be lined with Ceramic or Polyurethane. Furthermore hardened material can be used for all wear affected parts as well.

When the material to be processed is abrasive, the inlet chute and the rotating parts are either hardened or lined as appropriate. In addition, the body itself can be lined with ceramic tiles or polyurethane if iron contamination is to be avoided.

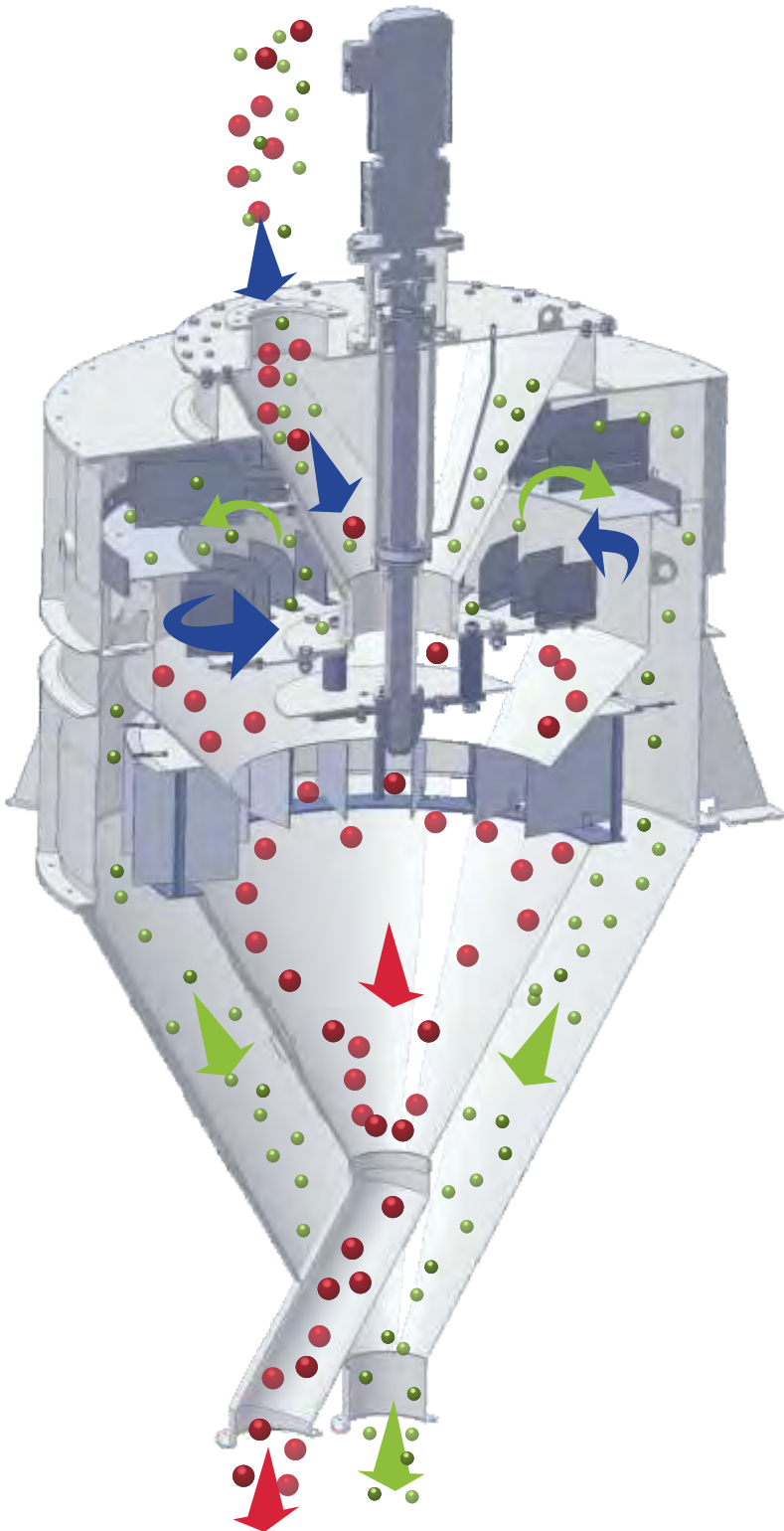


MONSOON 2500 for  $\text{CaCO}_3$   $d_{98}$  £  $100\mu\text{m}$



MONSOON 3000 for  $\text{CaCO}_3$   $d_{98}$  £  $200\mu\text{m}$

## OPERATING PRINCIPLE



■ Air Inlet

■ Coarse

■ Fines

## BENEFITS

1. Cut point down to  $d_{98} < 45 \mu\text{m}$
2. Extremely reliable and robust design
3. Low specific energy consumption
4. Low investment cost
5. Easy and quick maintenance resulting in low maintenance costs
6. No peripheral equipment necessary
7. Suitable for abrasive products
8. Improves fine screening



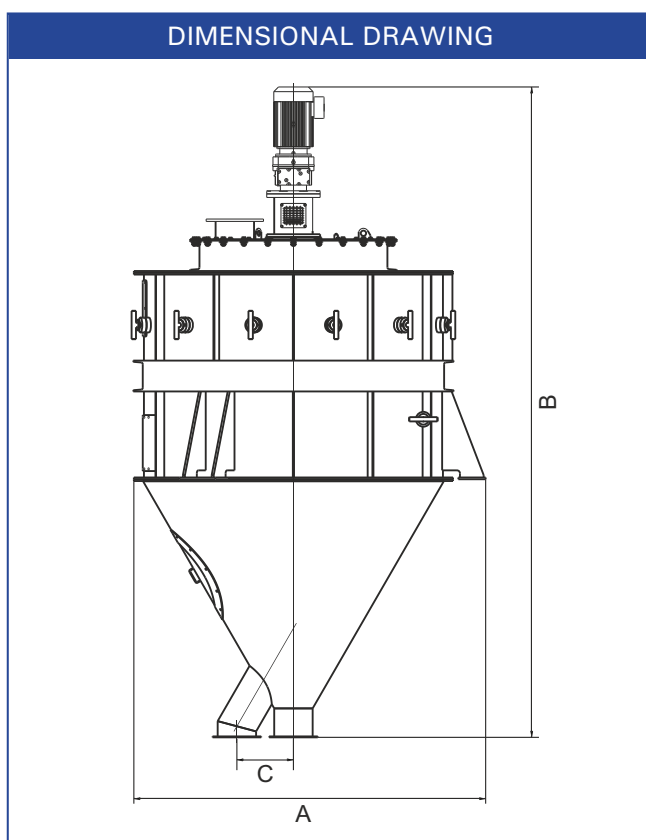
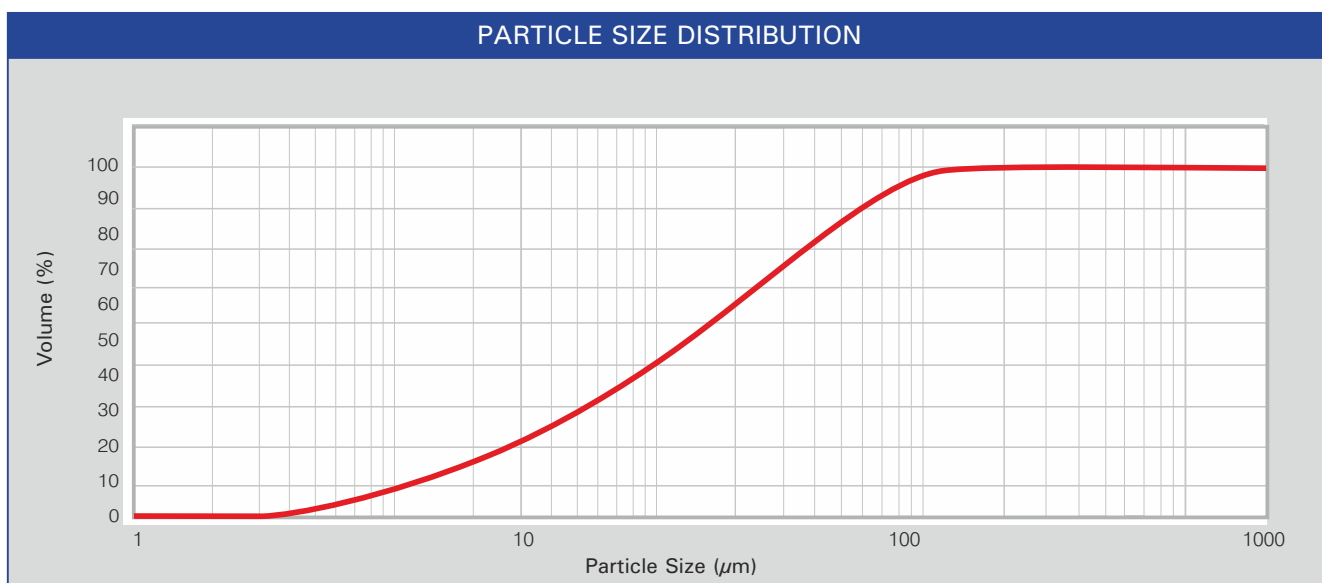
MONSOON 2500 installation for  $\text{CaCO}_3$   
 $d_{98} \approx 150 \mu\text{m}$  before fine screening



MONSOON 1500 in Test Centre

Technical Data		1.500	2.000	2.500	3.000	3.500
Feed range	[t/h]	1 - 10	3 - 20	7 - 35	12 - 50	15 - 80
Rotor speed max.	[rpm]	600	430	350	280	220
Installed drive	[kW]	7,5	15	22	30	45
Fineness $d_{98}$	[ $\mu\text{m}$ ]	45 - 300	45 - 300	45 - 300	45 - 300	45 - 300
A	[mm]	1.740	2.585	2.970	3.560	3.969
B	[mm]	3.110	4.415	5.475	6.275	7.140
C	[mm]	350	370	480	515	640

All technical data are subject to changes



 **ECUTEC Barcelona S.L.**  
 A Company of NETZSCH Group  
 Gran Via Corts Catalanes 641, 6e 4a  
 08010 Barcelona | Spain | CIF B61918405  
 Tel. +34 932 477 700 | Fax+34 932 477 701  
 office@ecutec.eu | [www.ecutec.eu](http://www.ecutec.eu)