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# KBM DE-DUSTERS

EPS / EPP / EPE / ARCEL / NEOPOR

Do you have problems with dust in your moulds?



KBM DE-DUSTER / DUST SEPARATION UNIT



KBM APS  
DK 3400 HILLERØD  
TLF.+45 4826 8090  
Homepage: [www.kbm.dk](http://www.kbm.dk)

VØLUNDSVEJ 13  
DENMARK  
FAX.+45 4826 8016  
e-mail: [kbm@kbm.dk](mailto:kbm@kbm.dk)



Traditionally, de-dusting has been used to prepare foam materials from granulation/grinding - to ensure that it was possible to mix with new beads before the moulding process.

KBM has supplied these solutions since 1978 and has developed different equipment to refine this process ever since to obtain the optimal de-dusting quality.

Today, it is often necessary to de-dust in other locations in the moulding process. The raw material (virgin beads) is often full of small particles and fine dust, and it is very important that these particles are removed before the moulding process.

**De-dusting must be done to:**

- 1) **Increase the quality of the moulded pieces** (shape moulded or block moulded).
- 2) **Avoid production stops** caused by dust sticking to the moulds and with a lot of maintenance as a result.
- 3) **Increase the rate of recycled material** that can be added and re-used.

KBM has for many years been manufacturing the MINI, MAXI and JUMBO recycling systems with vacuum de-dusters. These products have capacities of 10 m<sup>3</sup>/h, 18-20m<sup>3</sup>/h and 35-40 m<sup>3</sup>/h. Lately, a larger version, JUMBO+, was developed to give 50-60 m<sup>3</sup>/h. This unit has now been developed further into the GIGANT 120 and GIGANT 240 with capacities of 100-120 m<sup>3</sup>/h and 200-240 m<sup>3</sup>/h for the large block moulds.

**As capacity can variate from 10m<sup>3</sup>/h up to 240m<sup>3</sup>/h, KBM is able to supply for all purposes of de-dusting. Recycled or virgin - or after it is mixed.**

To keep the quality and efficiency high and maintenance of the de-dusting systems on a minimum, KBM has developed a cyclone venting system for the extracted dust. The cyclone removes the dust from the de-dusting air. The collected dust is compacted to avoid large volumes of waste. The air is returned in a "closed loop" and re-used in the system instead of being vented through filter bags which requires a lot of maintenance.

Technical Data		
Capacities	M <sup>3</sup> /hour	Cubic feet/hour
MINI de-duster	8-10	280-350
MAXI de-duster	18-20	630-700
MAXI+ de-duster	25-30	875-1050
JUMBO de-duster	35-40	1225-1400
JUMBO+ de-duster	50-60	1750-2100
GIGANT 120 de-duster	100-120	3500-4200
GIGANT 240 de-duster	200-240	7000-8400
SUBJECT TO ALTERATIONS		

