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# RECYCLING MINI "IN-A-BOX"



EPP beads  
ready to be  
recycled.



EPS beads  
ready to be  
recycled.

**HOPPER OPENING:**  
900X600 MM

## EPS / EPP / EPE / ARCEL / NEOPOR



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- If you need to treat EPS/EPP/EPE/ARCEL pieces so they can be recycled back into a production.
- The only system on the market, where you have a pre-crusher/granulator, a dust separation unit, a cyclone venting, and a dust compactor **built into one unit.**
- Recycling by replacing new raw material is the **best economical way**, because you gain up to 80-90% of the material's original value.
- **High rates of reusability.** 10-20% of new material can be replaced by recycled beads in shape moulding (even more when using a KBM Styromix) and 20-50% or even 100% in block moulding - depending on the equipment available to mould.
- Whole pieces are pre-crushed and granulated into individual beads, the dust is separated, the beads are conveyed to a storage silo and the extracted dust is compacted. **ALL IN ONE BOX !**
- Makes **individual beads** with very little dust generated (which is removed) and the final product can be mixed into a production again to replace beads of new material.
- **Very easy installation.** Only connect the power and the ducting to the storage silo.
- Can **easily be moved around** by a forklift or similar.
- The outer parts can be taken off in a very short time and the recycling box can then be put on a truck or **into a standard container** for easy transportation where it fits in.
- Due to the **unique KBM design of the granulator** only 5-7% EPS dust is generated when granulating to individual beads.
- The very efficient dust separation ensures that there is **no production stops** afterwards due to problems with blocked core vents.
- Unique **low-maintenance cyclone venting system** which ensures that you have sufficient venting for a good dust separation without a lot of venting bags to clean.

#### Technical Data:

##### Capacity/hour EPS:

(Granulated and dust extracted EPS)

Screen with 6 mm holes (shape): 6-8 m<sup>3</sup> (210-280 ft<sup>3</sup>)

Screen with 10 mm holes (block): 9-10 m<sup>3</sup> (315-350ft<sup>3</sup>)

Screen with 12 mm holes (block): 12-13 m<sup>3</sup> (420-455 ft<sup>3</sup>)

##### Capacity/hour EPP:

(Granulated and dust extracted EPP)

Screen with 6 mm holes (EPP): 50-100kg (130-220 lbs)

Screen surface: 0.9 m<sup>2</sup> (9.7ft<sup>2</sup>)

Space required: approx. 6 m<sup>2</sup> (65 Ft<sup>2</sup>)

##### Measurements:

L x W x H

Fully mounted: 2.23x2.73x3.56 m (88x108x140")

Dismounted for transport: 2.23x2.23x2.22 m (88x88x87")

Storage silo (6): 2.0x2.0x6.0 m (80x80x240")

(Any size available)

Size Silo bag: 2.0x2.0x4.0 m (80x80x160")

(Any size available)

(approx. 17 m<sup>3</sup>/600 ft<sup>3</sup>)

Pipe connections:

160 mm (6")

##### Hopper opening:

900x600mm (36x24")

Re-usable EPS material after recycling:

min. 93-95 %

Extracted EPS dust and fines:

max. 5-7 %

Dust content after dust separation:

max. 1 %

(Experienced by EPS granulated on a KBM granulator.)

##### Electrical load:

EPS

EPP

Recycling "in-a-box"

18.4 Kw 31.9 Kw

Voltage: 3x400V/50Hz, 3x480V/60Hz or other voltages.

##### How to reuse in practice:

Use the KBM Styromix mixing unit to make a very accurate mixing directly before the moulding machine. It is very easy to operate and increases the mixed ratio possible by avoiding de-mixing of new and recycled material.

SUBJECT TO ALTERATIONS

