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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 in 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**.
- To recycle by replacing new raw material is the **best economical way**, because you gain up to 80-90% of the original value of the raw material.
- **High rates of reusability**. With shape material 10-20% can normally be reused without any problem .(even more when using a KBM Styromix) and 20-50% or even 100% by block - 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 used to mix into a production again to replace beads of new raw 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 now 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 by 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 m³ (210-280 ft³)

Screen with 10 mm holes (block): 9-10 m³ (315-350ft³)

Screen with 12 mm holes (block): 12-13 m³ (420-455 ft³)

Capacity/hour EPP:

(Granulated and dust extracted EPP)

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

Screen surface: 0.9 m2 (9.7ft2)

Space required: approx. 6 m2 (65 Ft2)

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 m3/600 ft³)

Pipe connections:

160 mm (6")

Hopper opening:

900x600mm (36x24")

Re useable 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 on the moulding machine. Increases the mixed ratio possible by avoiding de mixing of new and recycled material and is very easy to operate.

SUBJECT TO ALTERATIONS

