

Technical Data sheet

MINI-IN-A-BOX

COMPLETE RECYCLING SYSTEM - 10 M³/HOUR CAPACITY



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|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand name: KBM MINI-IN-A-BOX | A complete system to convert moulded EPS/EPP/ EPE/NEOPOR/ARCEL packaging and insulation mate- rials into individual beads ready to be mixed with virgin beads to mould new products. |
| Material | Cabinet is made of galvanized steel. |
| Density range | Standard EPS version < 35-40 Kg/m ³ (< 2.2-2.5 lb/ft ³) High density version (HD) < 100-120 Kg/m ³ (<6.2-7.5 lb/ft ³) |
| Capacity by volume (Granulated EPS) | |
| 6mm screen | 6-8 m ³ per hour (210-280 ft ³ /hour) |
| 10mm screen | 9-10 m ³ per hour (315-350 ft ³ /hour) |
| 12mm screen | 12-13 m ³ per hour (420-455 ft ³ /hour) |
| Capacity weight (EPP + HD EPS) | |
| 6mm screen | 50-100 Kg/m ³ per hour (130-220 lb/hour) |
| Screen surface | 0.9 m ² (9.7 ft ²) |
| Space required (without optional pre-crusher) | 6 m ² (65 ft ²) |
| Measurements L x W x H | |
| Fully mounted | 2.23 x 2.73 x 3.56 m (88x108x140") |
| Dismounted for transport | 2.23 x 2.23 x 2.22 m (88x88x87") |
| Silo for pre-crushed material installed on top of the system (optional) | 2.85 x 3 x 6 m (114x120x240") - (19 m ³) |
| Storage silo (optional) | Any size available |
| Pipe connections | 160 mm (6") |
| Hopper opening | 900 x 600 mm (36x24") |
| Estimated conserved material | Min. 93-95% |
| Extracted dust & particles | Max 5-7% |
| Dust content after processing | Max 1% |

Recycled EPP & EPS.
Pre-crushed, granulated and de-
dusted - ready to be reused
in your production



KBM APS | VOE-
LUNDSVEJ 13 | 3400

KBM ApS guarantees that the product meets the specification above. The keeping, handling and use of the products are beyond the control of KBM ApS, and therefore shall not invoke any responsibility of the company. This TD substitutes and deletes all previous versions.



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The KBM MINI-IN-A-BOX complete recycling system is suited for processing EPS/EPP/EPE/NEOPOR/ARCEL. The system is available in 2 versions.

Standard version: Densities < 35-40 kg/m³

HD version: Densities < 100-120 kg/m³

The only system on the market, where pre-crushing, granulation and dust separation are built into one unit. In addition, the system comes with a built-in dust compactor.

The system is perfectly suited for both small and large shape moulders, as well as small block moulding plants with a limited production, or moulders wanting a separate recycling process for e.g. colored or graphite modified materials.



Noise level

90-95 dB(A) (in operation)

Electrical load

EPS version: 18.4 Kw

EPP+HD EPS version: 31.9 Kw

Voltage: 3x400V/50Hz, 3x480V/60Hz
(Other voltages available)



KBM APS | VOELUNDSVEJ 13 | 3400 HILLEROED | DENMARK

Phone +45 4826 8090 / www.kbm.dk / kbm@kbm.dk

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The KBM MINI-IN-A-BOX is build with a dust compactor as standard.

After de-dusting the granulated material, the dust is conveyed to the dust compactor.

The obtained compacted density is 150-300 kg/m³ (9-18lbs/ft³)

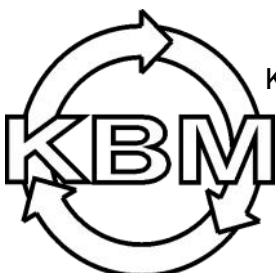


The hopper (and the cabinet) are sound insulated and covered with galvanized steel plates. The hopper is equipped with a strong plastic curtain for easy input of scrap. The low side of the hopper (yellow) is equipped with a safety string, which, in order to avoid any accidents, stops the machine if activated.

MINI-IN-A-BOX VERSION C

is build with a cell-wheel on top, for metering pre-crushed material. It feeds from a silo with pre-crushed material on top.

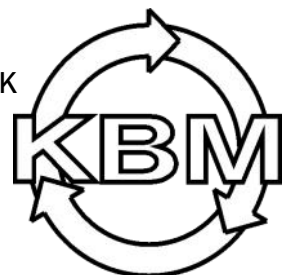
Suited for plants where you have external pre-crushers located in different locations. You can still feed the Mini-in-a-box manually from the side .



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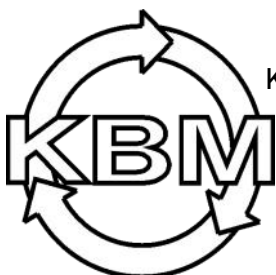
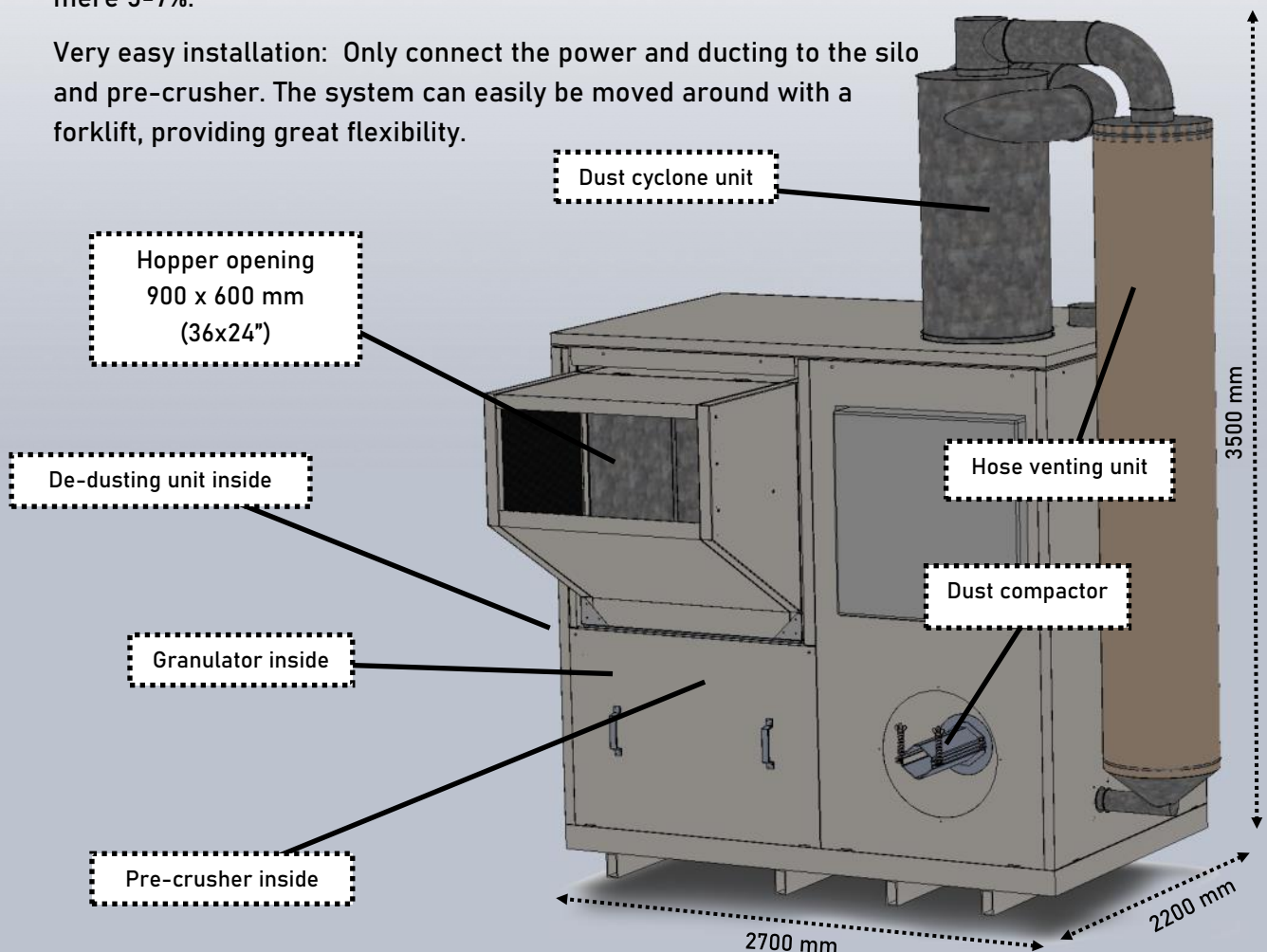
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- Investing in a KBM recycling system, enables you to regain > 90% value on your EPS/EPP scrap material.
- High mixing ratios: Add up to 10-20% of recycled material into shape moulding applications and 20-50% in block moulding without de-mixing problems.
- The system generates individual beads from the scrap moulded parts, dust free and ready to be re-inserted into your production.
- A unique design of the granulator and a special process limit the amount of dust and particles to a mere 5-7%.
- Very easy installation: Only connect the power and ducting to the silo and pre-crusher. The system can easily be moved around with a forklift, providing great flexibility.



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