Technical Data sheet OVERVIEW RECYCLING FROM IN-A-BOX SOLUTIONS TO IN-LINE SYSTEMS



MICDO	MINI	MINI	MAVI			
				JUMBO INLINE		
IN-A-DUA	IN-A-DUA			SYSTEM		
			SISIEM	SISIEM		
		Capacity				
			_			
2-3 m³/h	6-8 m³/h	6-8 m³/h	10-12 m³/h	15-20 m³/h		
70-105 ft³ /h	210-280 ft ³ /h	210-280 ft ³ /h	350-420 ft ³ /h	630-700 ft³ /h		
4-6 m³/h	9-10 m³/h	9-10 m³/h	18-20 m³/h	35-40 m³/h		
	,	,				
20-50 ka/b	50-100 ka/b	50-100 ka/b	100-160 ka/b			
•	0.	0.	•	N/A		
				· ·		
		Measuremen	15			
780x400mm	900x600mm	900x600mm	1400x600mm	1800x800mm		
30x15"	36x24"	36x24"	56x24"	72x31"		
0.2 m ²	0.9 m ²	0.9 m²	1.4 m ²	2,4 m ²		
2 ft ²	9,7 ft ²	9,7 ft ²	15 ft ²	26 ft ²		
5 m ²	$6 m^2$	12 m ²	16 m ²	40 m ²		
52 ft ²	65 ft ²	120 ft ²	160 ft ²	400 ft ²		
		Electrical loa				
			10			
11,5 kW	19 kW	19 kW	36 kW	50 kW		
	70-105 ft ³ /h 4-6 m ³ /h 140-210 ft ³ /h 20-50 kg/h 44-110 Lbs/h 780x400mm 30x15" 0,2 m ² 2 ft ² 5 m ²	IN-A-BOX IN-A-BOX 2-3 m ³ /h 6-8 m ³ /h 70-105 ft ³ /h 210-280 ft ³ /h 4-6 m ³ /h 9-10 m ³ /h 140-210 ft ³ /h 315-350 ft ³ /h 20-50 kg/h 50-100 kg/h 110-220 Lbs/h 780x400mm 900x600mm 30x15" 900x600mm 36x24" 0,2 m ² 0,9 m ² 2 ft ² 9,7 ft ² 5 m ² 6 m ²	IN-A-BOX IN-A-BOX INLINE SYSTEM Capacity 2-3 m ³ /h 6-8 m ³ /h 6-8 m ³ /h 70-105 ft ³ /h 210-280 ft ³ /h 210-280 ft ³ /h 4-6 m ³ /h 9-10 m ³ /h 210-280 ft ³ /h 140-210 ft ³ /h 315-350 ft ³ /h 315-350 ft ³ /h 20-50 kg/h 50-100 kg/h 315-350 ft ³ /h 20-50 kg/h 50-100 kg/h 110-220 Lbs/h 10-220 Lbs/h 110-220 Lbs/h Measuremen 780x400mm 900x600mm 36x24" 0,2 m ² 0,9 m ² 0,9 m ² 2 ft ² 9,7 ft ² 9,7 ft ² 5 m ² 6 m ² 12 m ² 5 2 ft ² 65 ft ² 120 ft ²	IN-A-BOX IN-A-BOX INLINE SYSTEM INLINE SYSTEM 2-3 m³/h 6-8 m³/h 6-8 m³/h 10-12 m³/h 70-105 ft³ /h 210-280 ft³ /h 210-280 ft³ /h 350-420 ft³ /h 4-6 m³/h 9-10 m³/h 9-10 m³/h 18-20 m³/h 140-210 ft³ /h 315-350 ft³ /h 315-350 ft³ /h 315-350 ft³ /h 20-50 kg/h 50-100 kg/h 50-100 kg/h 100-160 kg/h 20-50 kg/h 50-100 kg/h 100-160 kg/h 200-350 Lbs/h 20-50 kg/h 50-100 kg/h 100-160 kg/h 200-350 Lbs/h 100-160 kg/h 110-220 Lbs/h 100-160 kg/h 200-350 Lbs/h 20-50 kg/h 50-100 kg/h 100-160 kg/h 200-350 Lbs/h 110-220 Lbs/h 100-200 Lbs/h 100-160 kg/h 200-350 Lbs/h 780x400mm 900x600mm 36x24" 36x24" 56x24" 0,2 m² 0,9 m² 0,9 m² 1,4 m² 1400x600mm 30x15" 0,9 m² 0,9 m² 1,4 m² 15 ft² 5 m² 6 m² 12 m² 16 m² <td< td=""></td<>		



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Technical Data sheet SYSTEM CONFIGURATION



A version: Direct vertical material feeding B version: Direct horizontal material feeding				-	10				_	_	/	/	/	/	/	
Cversion: Direct vertical + feeding			1	or/	5/	8/	5/2	. /0	10	/	5/4	/	R/A	5/0	1/0	4/5
of precrushed material from silo			Jer	Jers	leisio	ersit	ion	ion	ion	or	jor	ion	lor	ist?	ior	sion ersio
D version: Feeding of pre-crushed material		/	st /	+ /+	1	1/1	et?/J	er/J	er 1	et?	Jers/	Jer -	Jet /	Jer .	Jer J	e e
from silo placed above granulator	/	30	100	200	200	ine	ine	ine	ine	ine	ine	ine	ine	ine	line	inline
Eversion: Feeding of pre-crushed material	10	5/0	»/.	10/1	10/2	IL.	In' j	m.	m.	In!	12/2	£./*	101/1	101/4	in be	5/
from silo placed next to granulator	Micro	Nic	Nin	Ninit	Will	Will	Intine V	ersion B	Nil	NNO.	Jersion F	W3.	Version Simine	W3.	Jersion D	esions resions
Capacity (Granulated material output):																
0 - 5 m3/hour	•	٠														
0 - 10 m3/hour			٠	٠	٠	٠	•	•	٠							
0 - 20 m3/hour										٠	•		•	٠		
0 - 40 m3/hour															•	
Capacity by weight (EPP + HD versions only!)																
0 - 50 kg/hour	•	•	-		_	-			-							
0 - 100 kg/hour	-		٠	٠	٠	۲	•	•	٠		-	-		-		
0 - 160 kg/hour										•	•	•	•	٠		
Regular EPS/Graphite EPS	•	۲	۲	•	•	•	•	•	•	•	•	•	•	•	٠	
High density EPS/HD Graphite EPS/Regular EPP			•0	•0	•0	•0	•0	•0	•0		•0	•0		•0	•0	
Arcel/Bio/Piocelan	٠	٠	٠	۲	۲	۲	۲	٠	•	٠	٠	٠	۲			
High density EPP			•0	•0	•0	•0	•0	•0	•0	•0	•0	•0		•0		
Built-in pre-crusher				•												
Separate pre-crusher required/optional	-		-	•	-	-		•	•	-	-				•	
Feeding pre-crushed material from cutting line	-		-		-	-	•	•	•		-		•		•	
	-		-	-	-	-				-				_	-	
Heavy-parts filter for pre-crushed material		•	-	•	-		•	•	•	-		۲	•	•	•	
Separate transport blower for pre-crusher required/optional		۲		•	ļ	ļ	۲	•	•			•	•		•	
Silo for pre-crushed material required/optional		•		•			•	•	•			•	•	•	•	
Built-in granulator	•	•	•	•	•	•	•			•	•	•				
Separate granulator	-				-			•	•			-	•			
Screen sizes available:	-			-		-		-								-
4 mm		•			-			•								
4,5 mm	•	•	•	•		•	•	•	•		•		•	•	•	
5 mm			•		•	•	•	•	•	•	•	•	•	•	•	-
6 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
8 mm	•	•	•	•	•	۲	•	٠	•	•	•	•	•	•	•	
10 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
12 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Built-in de-dusting unit	•	•	•	•												
Separate de-dusting unit						•	•	٠	•	•	•	•	•	٠	•	
Built-in dust compactor with cyclone																
Separate dust compactor			-									-				
- with air venting bags (optional)					•	•	•	•	•	•	•		•	•	•	
with air cyclone (optional)					•		•	•	۲	•		•	•	•	•	
Recommended mixing system:																
Styromix 3 (shape moulding)																
Styrometer Mini (shape & block moulding)							-							-		
Styrometer Maxi (block moulding)			-	-		-	-	-	_	-		-		-		
	-															
Styrometer Jumbo (block moulding)	-		-	-	-					-		-	-	-	-	
Styrometer Gigant (block moulding)																

Available system/function/unit

Require high density version

May be required or optional depending on customer requirement

A Recommendation but other combinations can be applied

Technical Data sheet SYSTEM CONFIGURATION



In-a-box systems Micro-in-a-box & Mini-in-a-box

Complete integrated systems with optional separate pre-crusher, heavy-parts filter and feeding silo. Can be equipped with any mixing system

Illustration 1 features a Mini-in-a-box transferring recycled material to a silo with a ditribution box connected with Styromix 3 system.

Illustration 2 features Styrometer mixing system.

In-line systems with combined precrusher/granulator MINI + MAXI systems

In-line systems with combined precrusher/granulator, de-dusting unit, dust compacting and mixing system.

Illustration 3 features a combined precrusher/granulator A version, with de-dusting unit and dust compactor with venting bags. Illustration 4 features Styromix with distribution box and Styrometer mixing systems.

In-line systems with separate pre-crusher and granulator MINI + MAXI + JUMB0 systems

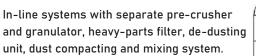
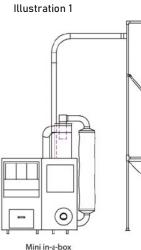
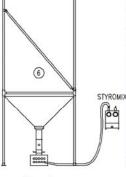
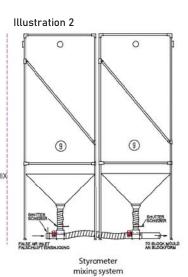


Illustration 5 features a separate pre-crusher, heavy-parts filter granulator D version, de-dusting unit, dust compactor with cyclone and Styrometer mixing systems.





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Styromix mixing system with distribution box

Illustration 4

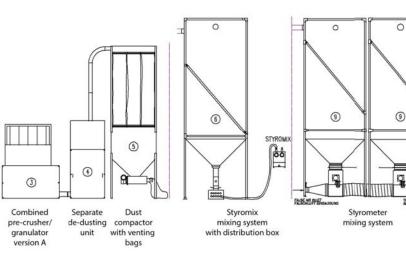
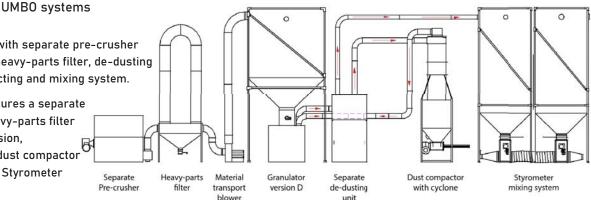




Illustration 3



Technical Data sheet **PRE-CRUSHERS** HEAVY DUTY PRE-CRUSHERS WITH HIGH CAPACITY



KBM offers 3 separate pre-crushers with or without an optional heavy parts separator. All pre-crushers are designed with slowly rotating breaker arms in order to keep the created dust at a minimum. The purpose of our precrushers is to crush EPS or EPP scrap down to a size of approx. 25-100 mm (1-4 inches), preparing the scrap for being conveyed by a blower to your KBM recycling plant. The pre-crushing in larger pieces reduces the creation of dust.

STYROCRUSHER XL

The StyroCrusher MAXI XL is a low-cost large pre-crusher. It's ideal as a satellite-crusher placable in different locations at your plant, or as a pre-crusher for larger EPS/EPP parts to be recycled on smaller recycling systems.

MAXI PRE-CRUSHER

The MAXI pre-crusher will grind all kinds of shape- and block materials and is sufficient for most shape- and block moulders.

JUMBO PRE-CRUSHER

The JUMBO is designed for pre crushing very large quantities of scrap and/or very large shape or block parts, and offers a very high capacity.



The MAXI and JUMBO pre-crushers are designed to separate and collect metal parts, stones and other very heavy parts which may find their way to the hopper. These heavy parts are collected in the bottom of the machine and can be removed through an easily accessible opening.

In order to collect parts of wood, plastic and other parts as well, before they reach the blower, our heavy particle separator, which is placed between the pre-crusher and the blower for pre-crushed material is recommendable.



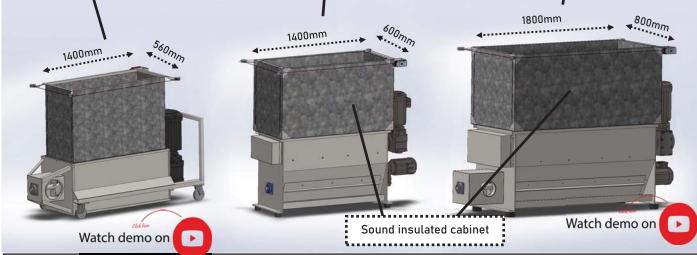
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Technical Data sheet **PRE-CRUSHERS** HEAVY DUTY PRE-CRUSHERS WITH HIGH CAPACITY



STYROCRUSHER XL	MAXI PRE-CRUSHER	JUMBO PRE-CRUSHER				
1400 x 560 mm (4'8"x1'10")	1400 x 600 mm (4'8"x2")	1800 x 800 mm (5'11"x2"8"				
2400mm (7'10")	1900mm (6'3")	2400mm (7'11") 1100mm (3'7") 1800mm (5'11")				
900mm (3'0")	800mm (2'8")					
1600mm (5'3")	1800mm (5'11")					
8 - 10 m³/hour	25 - 30 m³/hour	60 – 100 m³/hour				
280 - 350 ft³/hour	880 - 1060 ft³/hour	2100 - 3500 ft³/hour				
40 - 60 g/l	35 - 40 g/l	35 - 40 g/l 50 - 80 g/l				
N/A	50 - 100 g/l					
5,5 kW	6,2² kW	11,2² kW				
2,2 kW	2,2 kW	5,5 kW				
ir.						
under pre-crusher						
ending on scrap characteristics						
Double inte	rtwined	JUMBO PRE-CRUSHER Double intertwined breaker arms + Conveyer screw				
	1400 x 560 mm (4'8"x1'10") 2400mm (7'10") 900mm (3'0") 1600mm (5'3") 8 - 10 m ³ /hour 280 - 350 ft ³ /hour 40 - 60 g/l N/A 5,5 kW 2,2 kW er. under pre-crusher ending on scrap characteristics MAXI PRE-C Double inte	1400 x 560 mm (4'8"x1'10") 1400 x 600 mm (4'8"x2") 2400mm (7'10") 1900mm (6'3") 900mm (3'0") 800mm (2'8") 1600mm (5'3") 1800mm (5'11") 8 - 10 m³/hour 25 - 30 m³/hour 280 - 350 ft³/hour 880 - 1060 ft³/hour 40 - 60 g/l 35 - 40 g/l N/A 50 - 100 g/l 5,5 kW 6,2² kW 2,2 kW 2,2 kW vr. under pre-crusher				



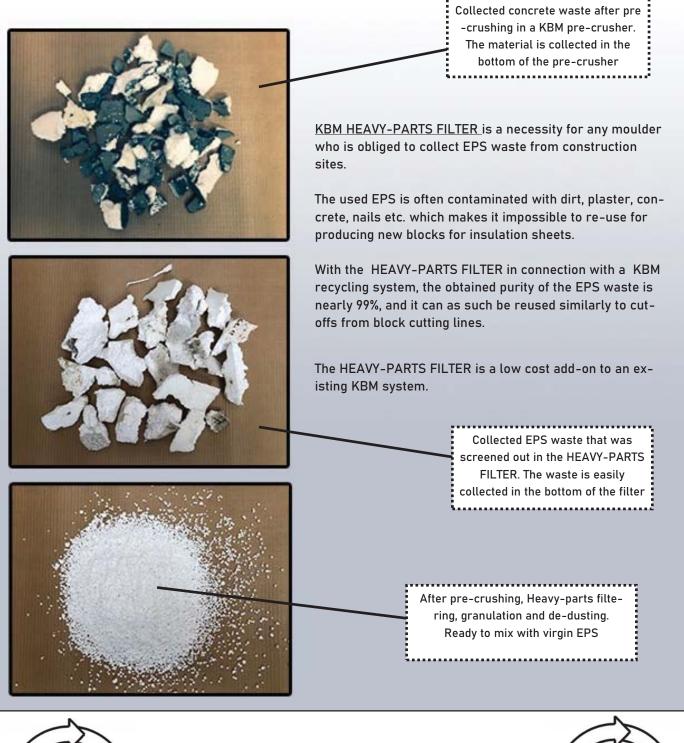
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Technical Data sheet HEAVY-PARTS FILTER RE-USE EPS WASTE FROM CONSTRUCTION SITES



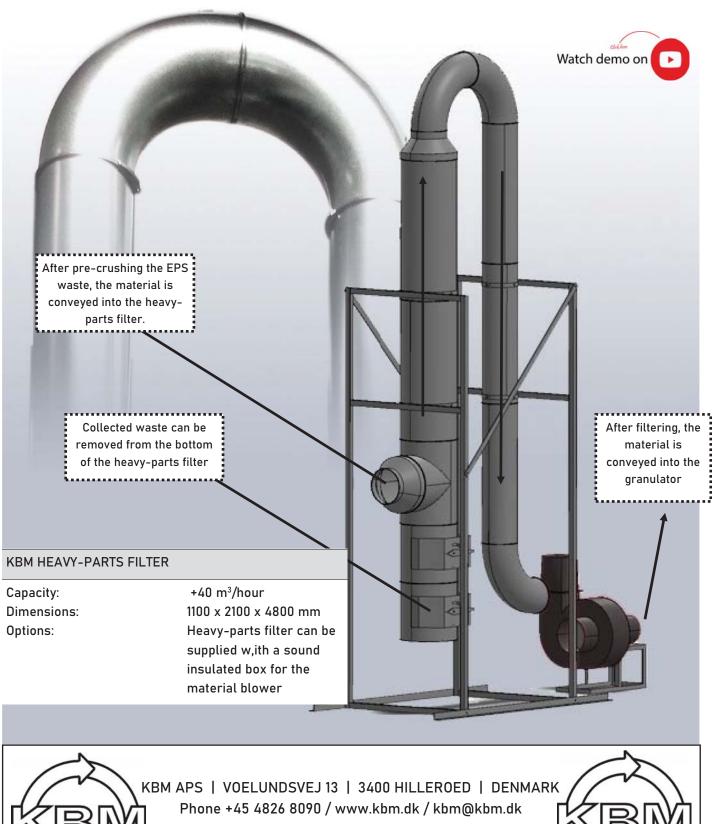


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