

-23

phone:	+49 (0) 36 95/69 9
fax:	+49 (0) 36 95/69 9
Internet:	www.hammel.de
e-mail:	info@hammel.de



HAMMEL-Primary shredder Тур 450/650/750/850/950 Diesel / Electric









"We proof Power" -**Technical Specifications**

The HAMMEL- primary shredder processes extremely difficult materials like waste wood, railway sleepers, root stems, green waste, industrial- and bulky waste, paper rolls, tyres and car bodies, etc. Due to its robust and clear construction the HAMMEL- shredder is reliable for volume reduction. It is equipped with a slow-speed 2-shaft-system. These shafts turn with a speed of approx. max. 46 rpm. Therefore the HAMMEL-shredder belongs to the extremely slow running shredders and has a huge number of advantages.

Weights			
450 D/E	8 t	450 DK	llt
650 D/E	16 t	650 DK	19 t
750 D/E	17 t	750 DK	20 t
850 D/E	25 t	850 DK	30 t
950 E	30 t	950 DK	42 t

Engine performances					
450 D/DK	140 hp	450 E	110 kW		
650 D/DK	200 hp	650 E	160 kW		
750 D/DK	350 hp	750 E	260 kW		
850 D/DK	480 hp	850 E	320 kW		
950 DK	710 hp	950 E	500 kW		





Туре 450: 7,50 m
 Type
 650:
 9,70 m

 Type
 750:
 9,70 m
 Туре 850: 11,40 m Туре 950: 15,00 m

Advantages

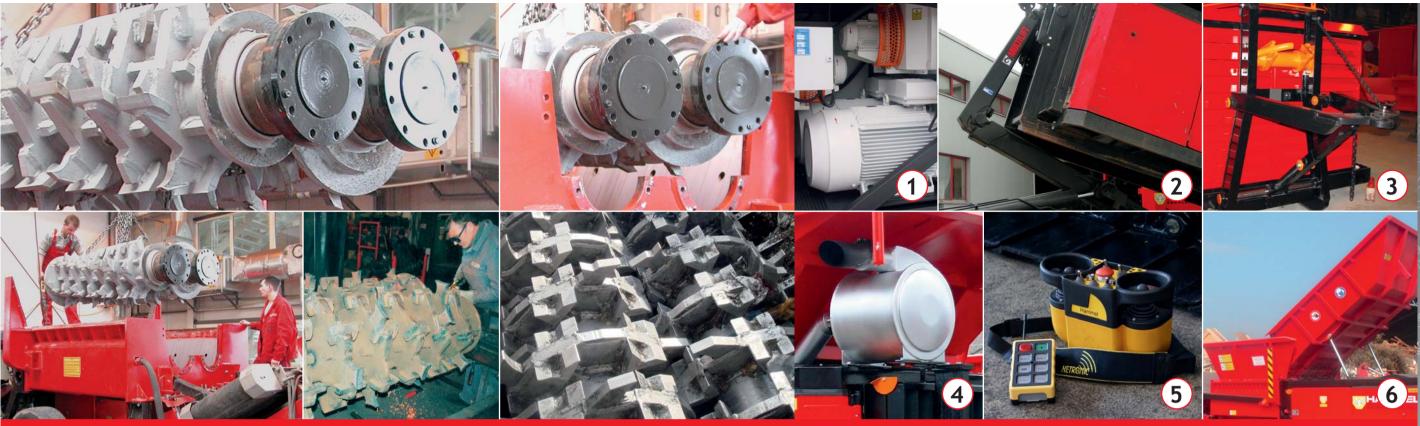
very low noise no projectiles no fire hazard customized

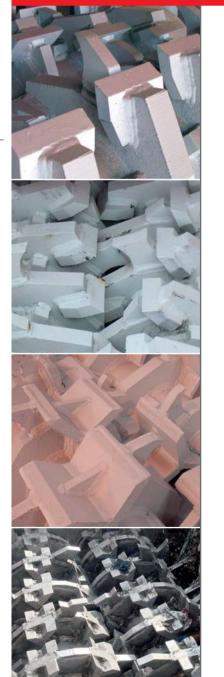
			· approx. vai
	Overall wid	lth*	
	Туре 450:	1,70 m	
	Туре 650:		
17	Туре 750:	2,50 m	
H	Туре 850:	2,50 m	
1	Туре 950:		
<u> </u>			
	-	7	
TA		0	
		Overall hei	0
		Туре 450:	
-	1	Туре 650:	
		Туре 750: Туре 850:	
		Туре 850: Туре 850:	
		Туре 950:	3,20 m
x 1	-		

-

- high performance with low wear and tear costs minimum of dust generation
- long life time of the shredding tools

knives are welded on, not screwed on





The patented "2-shaft system"

The special, counter-rotating shafts with aggressive hooks and knives pull in the material directly loaded onto the shafts. The input material is ripped, torn and cut and discharges directly from the shafts onto the conveyor belt. When extremely difficult material like carpets and mattresses or root stems are processed and a hydraulic end pressure is reached, the hydraulically controlled shafts switch automatically into reverse. Therefore the shafts turn backwards, and break the material again, clean the shaft from material, switch automatically again into the forward mode and the normal shredding stage can be continued without even being noticed by the operator. This function guarantees that all material was shredded before it enters the discharge conveyor belt, and rolling up of any stringy material is avoided through this special and fully automatic roll up protection. The shafts

always clean themselves. The final size of the shredded end product depends on various shaft configurations, HAMMEL can provide you with. Generally, an end product size between approx. 150 – 400 mm is achieved. Thanks to our long-term experience in the wood and waste sector the shafts have a long life span of more than thousand operating hours before refurbishing is needed.

The shaft configuration is defined according to the input material and the end product specifications of the customer.

All inclusive

Every HAMMEL – Primary shredder disposes of an attractive high quality basic configuration, to embrace also with your expectations.

Basic configuration

I. drive electric or diesel engine

2. transportability stationary build on hook lift frame

3. pulling drawbar provides a fast conversion of the shredder on the factory premises

4. low sound emission

special developed exhaust system, interior trim of doors with special sound proofing

5. remote control

with different customized functions

6. tilting hopper for ideal feeding





动动 动动 动

 \ominus





"We are born in wood"



In 1984 the first HAMMEL-machine for shredding root stems was developed. The wood waste recycling market has challenged us until today, so that our shredding technology has been adapted to today's demands and makes the HAMMEL-shredder to a leading primary shredder for all kind of wood in the recycling sector.

We pass on our years of experience by finding the most suitable shaft configuration for every customer and needs. Very low wear and tear and energy consumption as well as high performances are reached by sophisticated engineering and perfectly matching shafts.

Performance Characteristics

Recyclingmaterial	clingmaterial HAMMEL Shredder Type primary shredder*				
	450 D/E	650 D/E	750 D/E	850 D/E	950 D/E
wood waste/demolition wood	10 t/h	30 t/h	60 t/h	120 t/h	230 t/h
pallets	8 t/h	25 t/h	50 t/h	90 t/h	200 t/h
mixed wood	12 t/h	30 t/h	60 t/h	100 t/h	190 t/h
cable drums	6 t/h ***	25 t/h	40 t/h	60 t/h	130 t/h
railway sleepers		15 t/h	25 t/h	50 t/h	70 t/h
telephone poles		15 t/h	25 t/h	50 t/h	70 t/h
root stems	8 t/h **	25 t/h	40 t/h	50 t/h	90 t/h
green waste	15 t/h	25 t/h	50 t/h	80 t/h	120 t/h
 * performances until approx. ** up to Ø 400 mm 	With a HAMMEL-primary shredder an end product size between 150 mm – 400 mm can be reached depending on the selected shaft configuration.				

*** up to Ø 1.000 mm

Innovation - Experience - Economy - Satisfaction

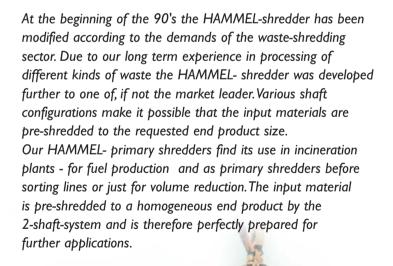
 \ominus

0827_Vorbrecher_englisch 29.04.2008 19:24 Uhr Seite 10



"Contact us before you drown in waste!"





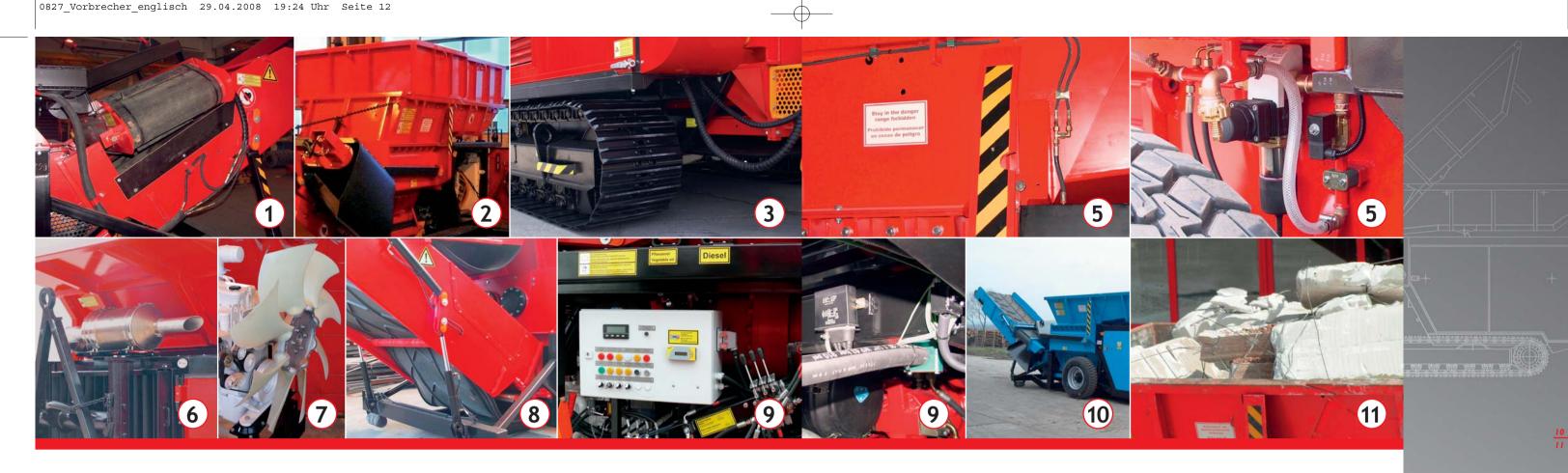
Performance Characteristics

Recyclingmaterial	HAMMEL Shredder Type <pre>primary shredder*</pre>				
	450 D/E	650 D/E	750 D/E	850 D/E	950 D/E
domestic waste	15 t/h	30 t/h	50 t/h	100 t/h	200 t/h
industrial/commercial waste			45 t/h	60 t/h	150 t/h
bulky waste			30 t/h	60 t/h	110 t/h
C&D			35 t/h	80 t/h	150 t/h
þaþer		10 t/h	20 t/h	45 t/h	70 t/h
þaþer rolls		10 t/h	15 t/h	30 t/h	60 t/h
used tyres			20 t/h	30 t/h	50 t/h
aluminium profiles	5 t/h		12 t/h	20 t/h	40 t/h
car bodies					50 t/h
high caloric fuels 150 mm			20 t/h	30 t/h	70 t/h
* þerformances uþ to aþþrox.	With a HAMMEL-primary shredder an end product size between 150 mm – 400 mm can be reached depending on the selected shaft configuration.				

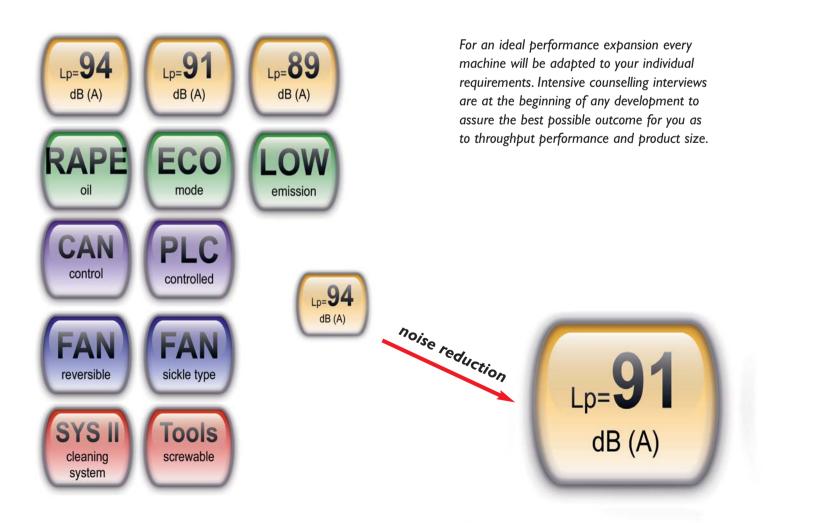


Volume Reduction - Renewable Energy - Profit

 \ominus



Your choice supplementary equipment



Options

1. metal separation permanent-over belt magnet that selects ferrous metal parts

2. hopper extension

a higher volume avoids the dropping of the input material

3. chassis

stationary, wheel axle, track system

4. breaker bar with and without combs or breaker basket, to produce a smaller end product

5. water sprinkling system for dust minimisation

6. particulate filter for all diesel machines

7. sickle fan provides additional noise reduction

8. hydraulically height adjustment of the discharge belt

for a perfect adjustment of the discharge height for optimising of the discharge quantity

9. alternative fuel

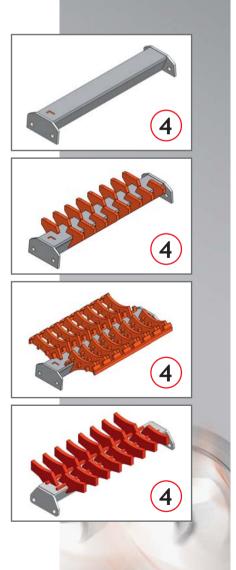
alteration for use of bio-diesel, rape oil, etc.

10. special painting

according to your company colour

II. stone crusher specification for the shredding of stones

and concrete ties



 $- \bigcirc$