OBERLÄNDER RECYCLING MASCHINEN

Non-Ferrous

Shredder Installations

OBERLÄNDER RECYCLING MASCHINEN

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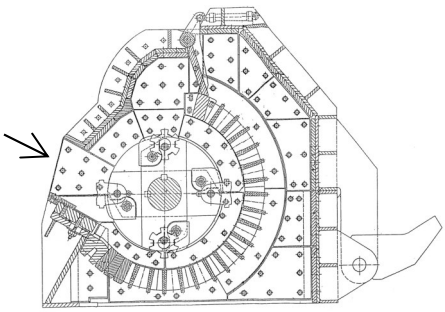
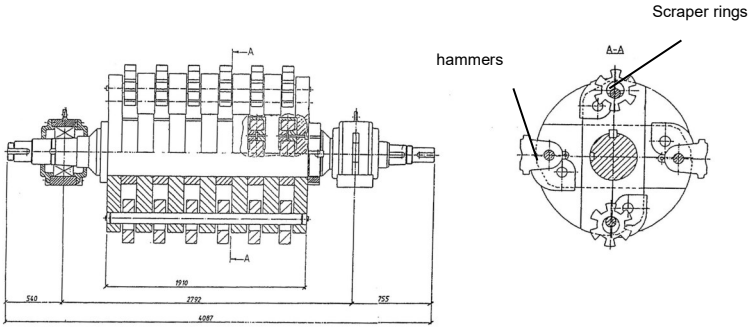
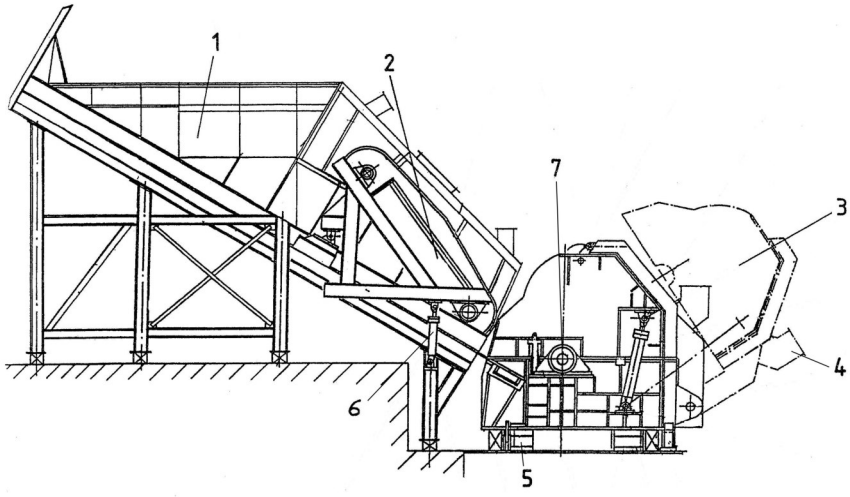
Heavy Duty Shredder with inclined feeding for processing ferrous and non-ferrous scrap Type OSH



Pic. 1: cross-section shredder housing

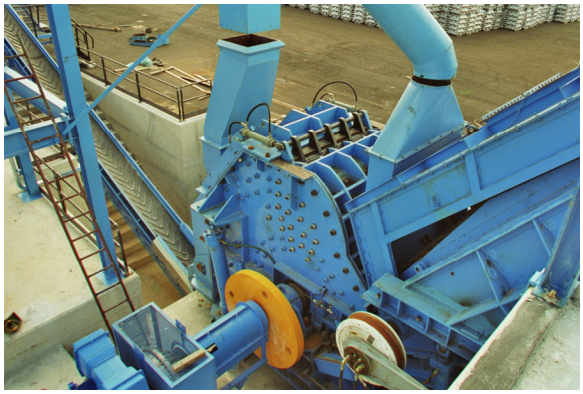


Pic. 2: shredder rotor design (equipped with hammer and scraper rings)

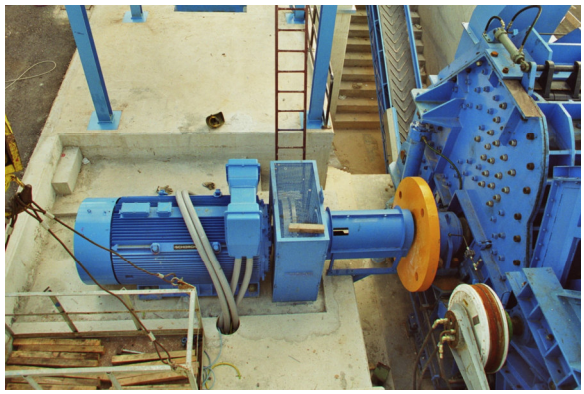


1. feed chute
2. track feeder
3. upper housing
4. exhaust pipe connection
5. shock adsober
6. hydraulic cylinder to adjust feed height
7. rotor bearing

Pic. 3: shredder arrangement with feed chute



Pic. 4: Shredder, top view



Pic. 5: Shredder drive with hydraulic coupling

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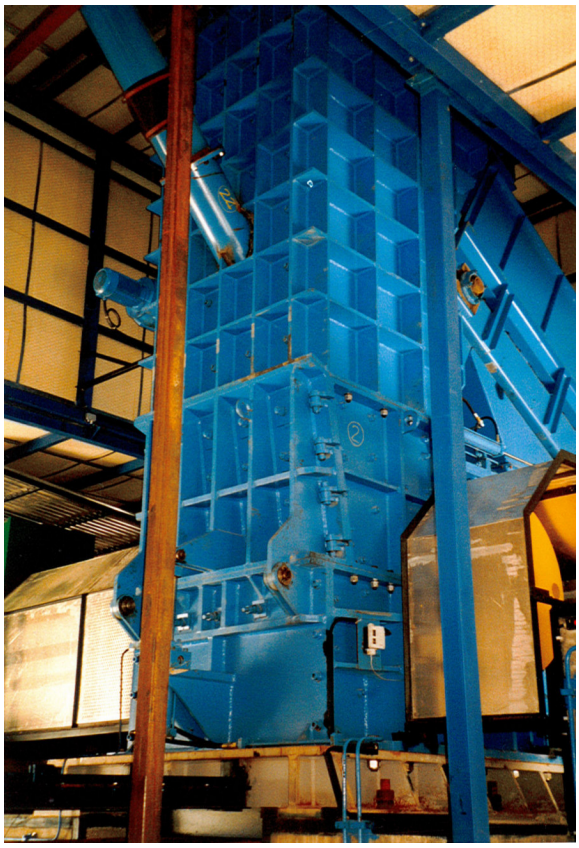
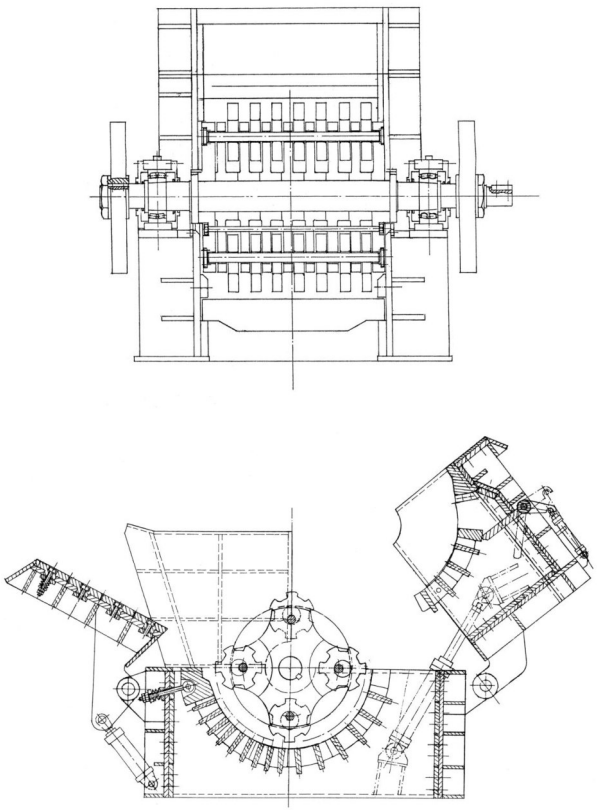
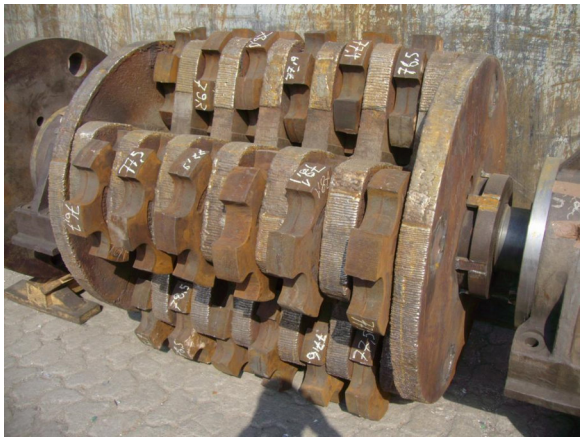
Aluminium Shredder
Top-Feed Model OST



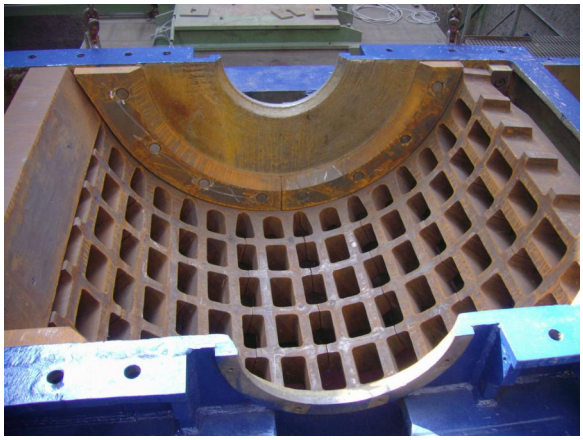
Pic 6: shredder arrangement



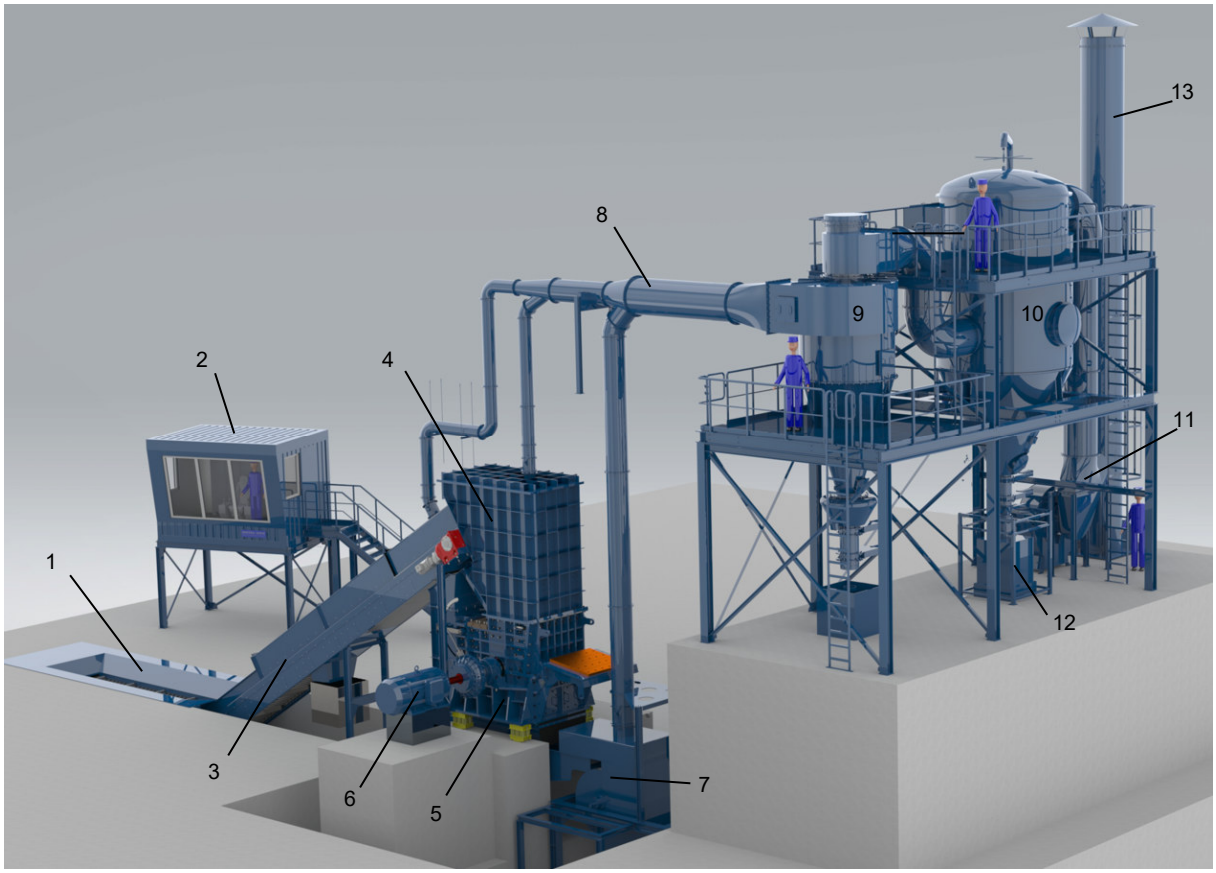
Pic 7: shredder housing arrangement without infeed hood



Pic 8: shredder rotor with scraper rings



Pic 9: lower shredder housing with grid dimensions



Pic 10: typical top-feed shredder arrangement with auxiliary equipment

1 loading area
2 conrol cabin
3 infeed plate conveyor
4 shredder infeed hood
5 shredder housing
6 main shredder drive
7 magnetic drum separator
8 ex-proof dust collection piping
9 ex-proof dust cyclone
10 ex-proof bag house filer
11 fan unit
12 dust discharge in big-bags
13 chimney

Technical Data:

Shredder type	OSH 1900/1900	OST 1200/1350
Rotor dimensions in mm acting diameter: width:	1,900 1,910	1,200 1,350
Shredder infeed opening in mm: width x height:	1,800 x 1,800/700*	1,350 x 1,200
Max. feed material dimensions: width in mm: height in mm: length in mm:	1,850 1,800 7,000	1,300 1,100 2,000
Production, approx. in t/hr Al-mixed: Al-castings: steel scrap:	15 – 20 35 25 – 30	10 - 12 20 12 – 15
Typical fraction size** in mm:	50 – 120	60 - 100
Main drive power in kW: in hp:	750 – 1,100 1,000 - 1,500	500 – 750 600 – 1,000
Shredder rotor rotation in rpm:	750	1,000
Supply voltage*** in V:	6,000/10,000	6,000/10,000

* material pre-compressed by track feeder, **depending on grid size, *** other voltages on request

Advantages for using scraper rings for non-ferrous shredders:

- Shredder rotors equipped with scraper rings which are tearing off more effectively ferrous inclusions from non-ferrous material and are producing fractions with higher bulk density
- No hammer-anvil function, forging i.e. copper into the aluminium parts.
- Easier down-stream iron/copper/aluminium separation
- Producing lower copper content in aluminium fraction
- Easier separation of large lump aluminium parts in the shredder