



EKSTRÖMS

VÄRMETEKNISKA

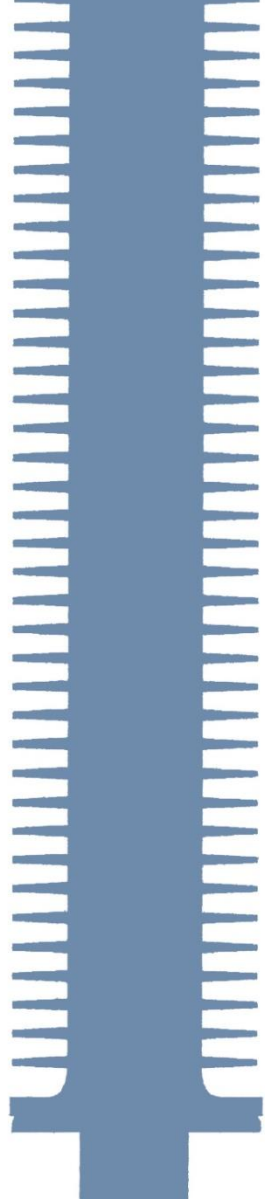


CLEAN & EXTENDED
HEATING SURFACES



EKSTRÖMS VÄRMETEKNISKA AB

Shot cleaning systems

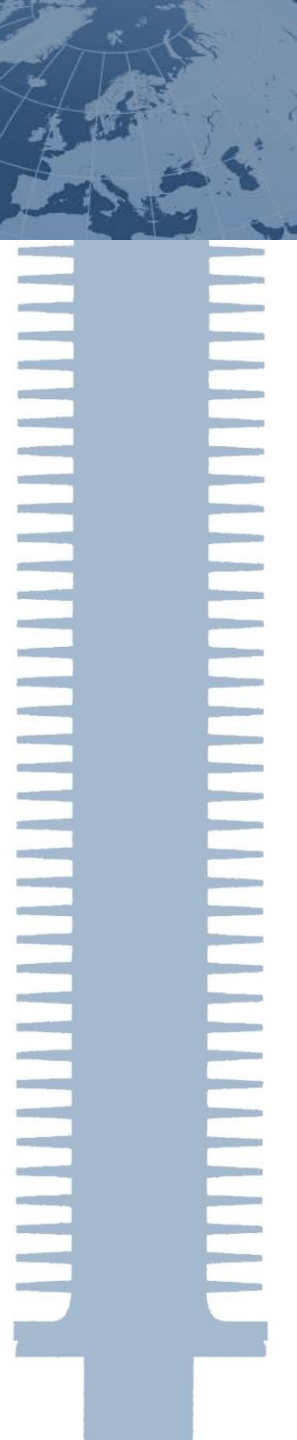
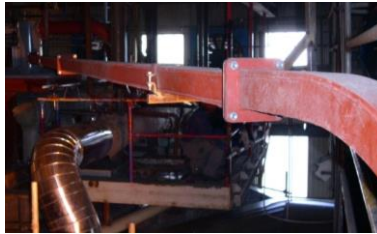


Ekströms Shot Cleaning system works on the principle of spreading shots randomly over the heat exchanger surface. As the shots hits the areas the ash and dust are removed and brings it to the bottom of the fluegas canal. The shots are then separated from the residuals by a vibrating screen to be used again.



The system is comprized of mainly six parts

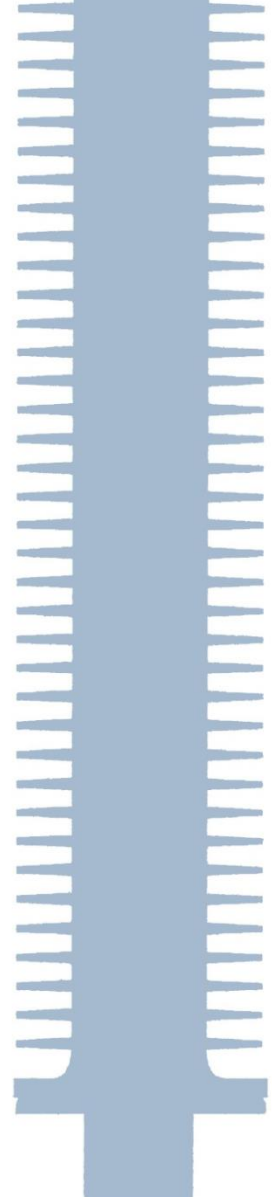
- The blowing machine
- The feeding valve
- Transport pipe system
- The spreader
- The Vibration screen
- Ball shots



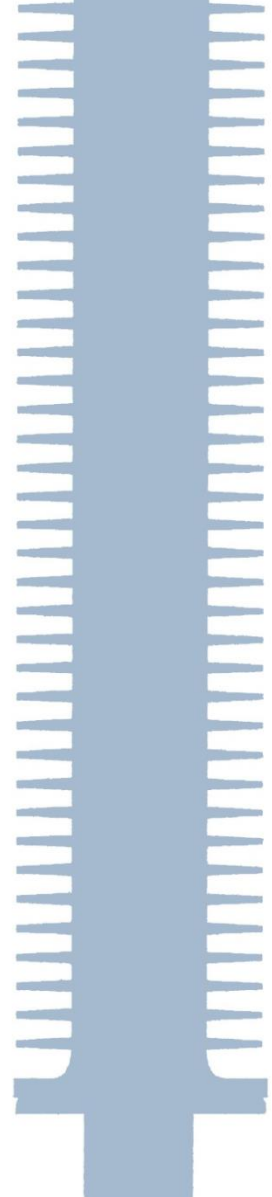


Applications

- Dry cleaning method, applicable at high temperatures
- Closed system, doesn't need access to steam or water
- Applicable for tall fluegas canals
- Effective against heavy and dirty gases in example waste incinerator boilers

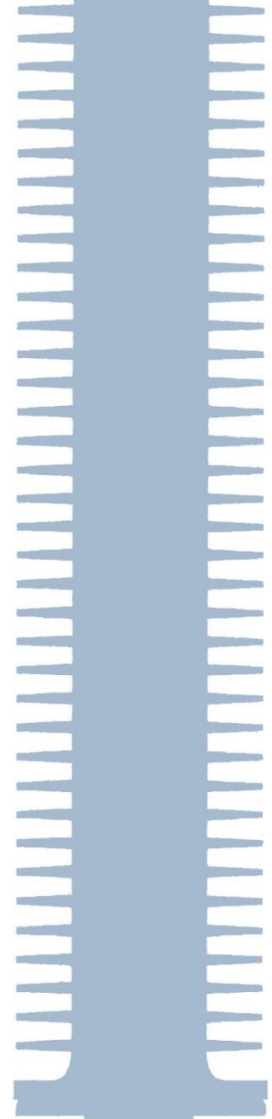


- Needs spacing inbetween the tubes and/or fins to avoid blocking
- Needs space over and underneath the fluegas canal for equipment
- Risk for erosion on parts





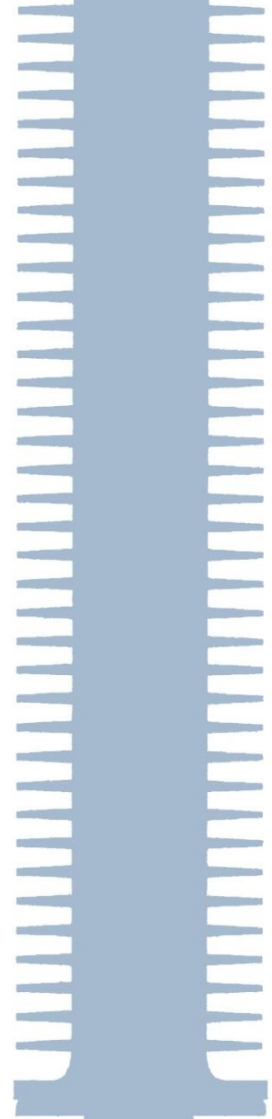
Shotcleaning Finspång





Waste to energy plant

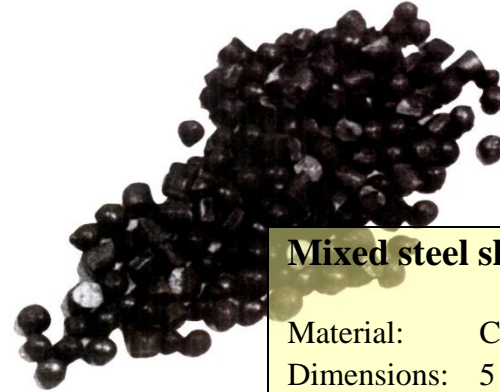
High temperature of 550 degrees celsius





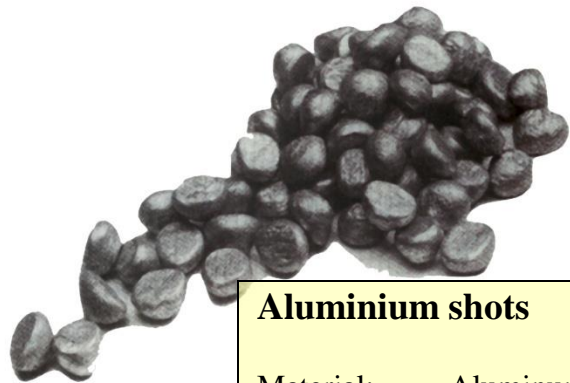
Steel shots RK-57, RK-46

Material: Chilled iron
Dimensions: 5 – 7 mm, 4 – 6 mm
Hardness: ca 600 HB, ca 320 HB



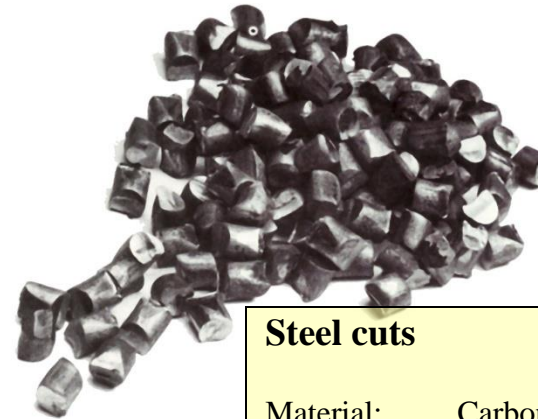
Mixed steel shots MRK-57

Material: Chilled iron shots, Carbon steel cuts
Dimensions: 5 – 7 mm; 6 x 6 mm
Hardness: ca 600 HB; 100 – 125 HB



Aluminium shots

Material: Aluminum
Dimensions: 8 – 10 mm
Hardness: ca 30 HB



Steel cuts

Material: Carbon steel
Dimensions: 6 x 6 mm
Hardness: 100 – 125 HB