**Efficient shot cleaning** technology with many attractive features. Ekströms unique on line shot cleaning technology enables optimal heat transfer to be maintained throughout prolonged industrial process campaigns for your boiler/economizer/air pre heater etc. Successfully installed on many waste incineration plants and other applications.

Our shot cleaning system can be installed on a wide range of boilers, from small to large. The size of cross section in boiler determines the number of spreaders we use.

**One big advantage** that we want to point out is that the shot cleaning is not restricted by the height of the boiler and/or tube banks. The shots are falling irregularly by gravity through the whole boiler and the impact from the “shot” knocks away the deposits. The pneumatic transport system is also able to raise the cleaning shots very high.
Our design of components in the distributing system is with minimal internal wear, keeping the number of wear parts to a minimum. Our development includes new wear resistant steel on critical areas. Different Cleaning shot materials for different applications and operating conditions.

Pneumatic conveying of cleaning shots instead of e.g. bucket elevators resulting in very low operating costs. The shot cleaning is controlled by the clients DCS system or local control panel (PLC etc.).

The attractive features of Ekströms shot cleaning includes keeping the heat transfer surface free from ash and deposits. The Ekströms shot cleaning is a true dry cleaning process thereby eliminating the use of steam or water resulting in wet ash deposits and adverse influence on flue gas dew point, prohibiting corrosion.
Ekströms have delivered more than 1000 shot cleaning systems and have now over 50 years of experience. During that time we have compiled an unrivalled knowledge and data bank, which along with continuous product development enables us to meet the most demanding challenges in today’s market.

- Low operating/maintenance costs
- Continuous cleaning operation 24h/day in various cycles (intermittent: cleaning/pause time) depending on cleaning demand.
- Ekströms Shot Cleaning can cope with different cleaning demand by altering the intermittence and/or shot flow in order to optimize boiler performance in all aspects.
- The shot flow is adjustable on the feed valve.
Ekströms were founded in 1905 and are today one of market leaders in the design and supply of economisers, air preheaters, shot cleaning systems, and many forms of extended surface tubing for industrial steam raising and power generation boilers.

Ekströms have throughout their long history gained unrivalled experience of heat exchangers operating in flue gas environments generated by a wide range of fossil and non-fossil fuels.