

Accumulated ash and soot dislodged by sound waves

Working in association with two leading British universities, Primasonics International based in Flusco, Penrith, UK, has succeeded in designing a new cost-effective range of acoustic cleaners to prevent ash build-up in power generation and similar industries. This Quattro range of Sonic Sootblowers provide an innovative alternative to traditional steam soot blowers which can be expensive to purchase, install, operate and maintain.

Fabricated from 316 grade stainless steel and fitted with a new design of wave generator, these devices are able to eliminate particulate build-up in many applications. The creation of rapid pressure fluctuations causes solid particles to resonate and dislodge from the surface on which they are deposited, without causing any structural damage to the plant.

Powerful sound waves are produced when short bursts of standard plant compressed air enter the device's wave generator. The resultant 'base' tone is then transmitted by a range of different horn sections into selected fundamental frequencies within the range 75-350Hz. Periodic 'blasts', typically 5-10 seconds every 2-30 minutes, is all that is required. www.quattrosonics.com



Quattro Sonic Sootblowers from Primasonics