The STEAG Disposal Company turns by-products from coal-fired power stations into cleaning agents. To do it, they need a measure of graded granules and a KAESER Mobilair compressor.

Gentle blasting

Blast it, it's gone

This grading is to be taken literally, because the material piled up in 25-kg bags in a warehouse in the middle of Duisburg docks is neatly sorted according to grain size after passing through a whole series of vibrating sieves. The powder looks something like ground pepper and if a pinch of the finest granules (180 μ) gets in the nose the effect is similar, but that's where the similarity ends.
The material waiting here for shipment has already come through its baptism of fire, as the granules are the residual products of coal firing. The STEAG Entsorgungs GmbH, a wholly owned subsidiary of the Steinkohlen-Elektrizität AG, takes over these granules and utilises them to 100 percent. Coarse bulk is sold to the building trade as cheap drainage material. Other grains are marketed as high quality crushed sand or as finely ground, coloured glass to suppliers of the concrete industry. And the fine grains of aluminium silicate glass, treated and marketed by STEAG's subsidiary Asikos, are used as abrasives for gentle blast cleaning of all kinds of surfaces.

Complete range

The blasting equipment works at low pressure. The remarkable feature is that 0.1 bar is sufficient to remove stubborn Graffiti, for example, at a fast rate without causing any damage to the surface below. Even underlying coats of paint or varnish remain largely undamaged. Marketing Manager Andreas Bertling proudly gave his classic demonstration of this technology by removing the print from his business card without damaging the paper.

As well as the Mini 5p ND machine for very fine work such as restoration or for arts and crafts, STEAG Disposal has two larger designs in their range. The Midi 28e ND works with 28 litres of blasting abrasive and a nozzle diameter of either four or five mm. The blasting head of the largest machine, known as the Maxi

In masonry renovation and ...

... car bodywork repair this technique is ...

... just as useful as in furniture

Edgar Link, Andreas Bertling and KAESER regional Sales Manager Manfred Grondey

60e/100e/200e ND, can be fitted with 6, 8 or 19 mm diameter nozzles or with flat nozzles of equivalent cross-section. STEAG Disposal can supply the Midi and Maxi as complete packages with KAESER Mobilair rotary screw compressors. The Midi's air requirement of 1.2 m^3/min is provided by an M12, and an M32 can easily supply the 2.4 to 3 m^3/min demand of the Maxi. Both the Midi and Maxi packages are equipped with condensate separators and can be provided with air after-coolers, if needed.

Andreas Bertling summed up with the following words: “Our equipment uses a technique that provides a precise stream of particles with gentle cleaning and minimal abrasive consumption even at low pressure. This process is powered by reliable and economical KAESER compressors.”

Mark service number 03 for further information.

Armed with this equipment your company will take off with a blast, as Edgar Link, master painter, was eager to confirm. On the same day that we were in Duisburg he was picking up his Maxi package, which he demonstrated to us a few days later in Fulda where it was used to remove a large area of graffiti from the wall of a school.

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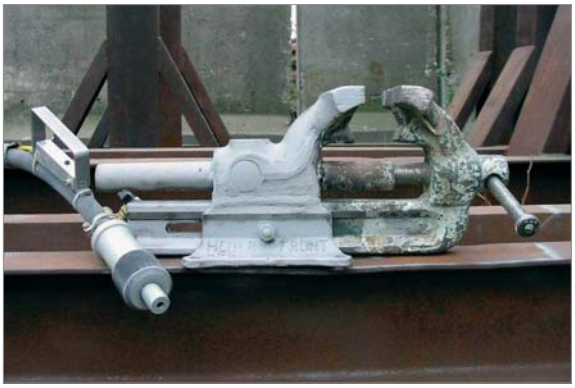

... and workshop equipment restoration