

MB-LS170 SCREENING BUCKET DESIGNED FOR EXPLOITATION OF SCRAP ALUMINUM

The use of waste from industrial processes and their exploitation and re-use in the carrying out of new projects is a regular practice in many countries today. According to Italy-based MB Crusher, one recent testimony regarding such exploitation of waste comes from one of MB's Germany-based customers specializing in the recycling of metals and slag from blast furnaces. The company recently chose one of MB Crushers latest models for their operations, the MB-LS170 screening bucket (shown here installed on a Liebherr Radlader 509 loader.) According to MB, the extreme versatility of the their screening bucket allows their customer in Germany to screen steel residue from the periodical cleaning of their blast furnace. The various-sized residues are thus cleaned of residue dust and rendered suitable



for resale as good-quality steel.

However, the capacities of the MB-LS170 screening bucket doesn't stop there. It is also used by the same customer for recycling aluminum. Aluminum dust of less than 30 mm in size obtained after the screening of residue is melted at high temperatures in a specialized furnace, which can be

cast into aluminum blocks which are ready to be resold.

According to MB, this residue, which in the past was only considered as material to be disposed of, is now transformed into an exploitable resource, with important advantages from both an environmental and economic point of view.

RECOVERMAX FINES PROCESS FOR SMALLER FRACTIONS



Ohio-based Best Process Solutions, Inc. (BPS) is seeing the results of the first installation of the company's RecoverMax Fines Process. While many companies separate metal pieces that are ½-inch or more in size, this technology is designed to handle smaller fractions. According to

BPS, nine million tons of auto shredder residue (ASR) goes to landfills every year containing over 1 percent high-value metals. This precious metal fraction can be recovered with the BPS RecoverMax Fines Process.

Designed with efficiency in mind, BPS' patent-pending RecoverMax Process recovers any piece of metal greater than 1 millimetre.

The company says removing glass and rock can be a tricky maneuver because both materials have similar densities to metals.

The RecoverMax Separator takes on this challenge and succeeds, removing any piece of metal from glass and rock at a purity of more than 98 percent.

With the metal separated, this system finishes the job by producing a 0-3 mm copper/precious metals fraction and a 3-12 mm, 95-percent purity copper fraction. Both fractions can then be then sold as a refinery-grade product. The 3-12 mm Zorba fraction with 10-15 percent copper becomes a high-grade Zorba product in the marketplace.

The RecoverMax Fines Process can be scaled to fit the needs of various applications, ranging from 2 to 20 ton per hour plants.