

**M**B BUCKET crushers, which are designed to be installed on excavators, are an innovative solution that allows any type of building material to be crushed on site, thus eliminating cost of disposal while providing re-useable material for a range of applications, says a spokesman for MB.

“With MB bucket crushers, any type of material can be crushed in situ and in any of situation, with a significant reduction of operating costs. Productivity is high and the crushed material can be recycled directly on site as stipulated. It also offers a high level of versatility – all that is needed is a standard excavator in order to work efficiently,” says the spokesman.

“The reduction in outlay costs is clear because this system makes it possible to reuse materials that would have to be taken to a landfill, thus saving on disposal costs, while the ability to crush different types of materials makes it possible to use them directly on the building site (filling of foundations, roadbeds),” he adds.

The Italian manufacturer, which claims to have produced the world’s first bucket crusher, and is now leading producer of the innovative jaw-action bucket crusher, offers four basic models – BF 60.1, BF 70.2, BF 90.3 and BF 120.4.

Describing the system, he says: “The bucket crusher is a hydraulic tool based on traditional jaw crusher technology, although unlike a conventional crusher, it is operated by hydraulic power provided by the excavator on which it is installed, with which it functions in synergy. The bucket makes it possible to pick up the rock to be crushed and then to pile it onto trucks or use it for back-filling on the site, thus speeding up worksite processes,” explains the spokesman.

The areas of application of these tools include demolition; building construction in general; earthmoving sector; excavation; road works; quarrying and mining; land reclamation; and rock breaking or crushing of quarry material.

Due to their production capacity, the versatile MB bucket crushers can be utilised in small-, medium and large-sized worksites, thus dispensing with both plant hire and transport costs.

“Thanks to consolidated mechanical engineering know-how and constant investments in technology and innovation, MB products improve work quality and provide the ideal

# MB bucket crushers offer green solutions



The BF120.4 ... the largest bucket in the range.  
BELOW: The BF90.3 ... the first bucket crusher manufactured by MB.



solution to all problems associated with crushing,” the spokesman says.

## MB’s models

MB offers four basic models of bucket crushers:

- **BF60.1** – This is the smallest bucket in the range weighing 1.5 tonnes and is recommended for excavators in the eight- to 12-tonne class. The crusher jaw opening is 60 by 45 cm and bucket capacity is 0.5 cu m. The output material piece size is adjustable between 20 and 100 mm, while average

hourly production is between 9.1 and 19.8 cu m;

- **BF 70.2** – This bucket weighs 2.25 tonnes and is recommended for 14- to 20-tonne excavator. The crusher jaw opening is 70 by 55 cm and bucket capacity is 0.6 cu m. The output size is adjustable between 20 and 120 mm, with average hourly output of between 12 and 30 cu m;

- **BF 90.3** – The first bucket crusher to be manufactured and marketed by MB, model BF 90.3 weighs 3.5 tonnes and is recommended for excavators of 20 to 28 tonnes in weight. The crusher jaw opening is 90 by 45 cm and bucket capacity is 0.75 cu m. The output size is adjustable from 20 to 120 mm, with average hourly output of between 18 and 40 cu m;

- **BF 120.4** – This is the largest bucket in the range, weighing 4.9 tonnes and is recommended for excavators from 28 tonnes and above. The crusher jaw opening is 120 by 45 cm and bucket capacity is 1 cu m. The output size is adjustable between 20 and 120 mm with average hourly output between 25 and 50 cu m.

## Iron separator

To solve the problem of separating ferrous metals from crushed inert materials, MB developed a new iron separator system, as part of its ongoing research to find innovative solutions to simplify crushing operations.

Unveiled at the end of 2007 at the SAIE trade fair in Bologna, this system gained the immediate and enthusiastic approval of bucket crusher users, says the spokesman.

“Available for all MB bucket crusher models, this device is composed of a 250 kg magnet, a magnet support, and an installation kit. Once installed on the bucket, it facilitates the separation of ferrous materials from the material to be crushed. While the new device is easy to install, the assistance of a specialist vehicle electrician is recommended,” the spokesman concludes.

**Reader Enquiry No. 74**