Italian crusher buckets make on site recycling feasible

More than seven years ago, MB Meccanica Breganzese, introduced a new way of crushing: its crusher buckets' flexibility widened the boundaries of the recycling culture, the company says.

THE FIRST MODEL was the BF 90.3 bucket/crusher. Now the company makes four models following the success of the 90.3.

Market research with customers, showed that all operators currently using them, consider them useful and economical for both large and small jobs. Ease of transport and practically non-existent usage costs, make them practical for crushing even small quantities, many customers said.

"The crusher bucket solves all our problems," one of MB's customers said. He explained that their BF 90.3 was used for on site recycling, in demolition and digging yards and in two quarries the company owns.

In the area of recycling, the agility of a MB crusher bucket-fitted excavator, allows it to reach any corner and crush directly into the body of a truck.

Complete recovery

This avoids the necessity to stockpile and the need for a wheel loader. On one MB customer site, demolition rubble from multiple sites, together with excavation material and materials from natural rock quarries, are brought together for processing and the use of the bucket crusher has made complete recovery of demolition material possible. For instance this material, once dumped, is now extremely valuable in the road sector.

In the quarry and yard, the sizes the company prefers to use are 0 to 70mm for surface layers and 80 to 150mm for used as a drainage layer in road subgrade. One of the features the customer particularly appreciates is the machine's autonomy in that it needs no support equipment, although the client explained that in a quarry, it is coupled with a separating screen because sizes must be divided.

The flexibility and autonomy of the MB bucket crusher are particularly appreciated on difficult jobs such as historically significant sites. When an old Italian bridge collapsed, the company that had to demolish the structure and remove the rubble, found only tracked excavators and very nimble machines could access the area along the river.

The company demolished one whole bridge span and crushed the material on site using a Caterpillar 325 LN excavator and an MB crusher bucket. Thanks to its 3m width, the slightly oversized machine guaranteed the stability needed to carry out the crushing.

The customer said, "It is an incredible tool as a crusher. It is without comparison and solves a lot of our problems. I use it in recycling and also in the quarry and it is so easy to move! I was sure about the purchase the moment I saw it working!"

MB Meccanica Breganzese general manager Guido Azzolin said, "Recycling debris and crushing right on site, are more and more requirements that cannot be disregarded. These days our product is increasingly more common – it is no longer considered niche or specialised – as standard equipment for many construction companies."

MB Meccanica Breganzese has its headquarters in the province of Vicenza, in Breganze, near Venice, Italy, where the company's name comes from, and it has designed and manufactured four models for various applications and work categories. Applications include demolition, road construction, excavation, breaking up compacted soils, crushing quarry rock environmental remediation and particularly in northern Italy, deep ploughing of compacted vineyard soils.

Crushing without limits

Initial success of the original BF 90.3 model, led to the BF60.1, BF 70.2 and BF 120.4, respectively smaller, medium and larger than the original.

BF 60.1:

The machine weighs 1.5t and is recommended for excavators weighting from 8 to 12t. Crushing is achieved by a jaw and the mouth aperture that measures 60 x 45cm and the bucket's capacity is 0.5m³. The size of the crushed material can be adjusted between 20 and 100mm while hourly production is between 9.1 and 19.8m³, calculated on the basis of medium tough material in optimum conditions.

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