

### Guardian hydraulic floor scales

The Cardinal Guardian Hydraulic Floor Scale series is specifically engineered to operate in harsh environments. Most models are designed with stainless steel decks and all feature environmentally-sealed (IP68),

corrosion-resistant, stainless steel load cells. These units guard against power surges, corrosion from chemicals, explosive environments, and high-pressure wash-downs. Plus, by utilizing hydraulic load cells, there is absolutely no electrical power in the scale itself, which means units are ideal when weighing in water-laden environments.

The Guardian series comes in three different types of removable, checkered, stainless steel deck plates for easy cleaning with high-pressure hoses, including gas-assisted cylinder lift-top decks and valve-activated pneumatic cylinder deck lifts. Units also provide quick access to components below the scale surface for cleaning and inspection.

**Cardinal Scale Mfg. Co.**

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### Remote-controlled biomass chipper

Model 334 biomass chippers feature the capability to process tops, chunk material and unmerchantable timber into high quality biomass with ease. A standard radio remote control on the Woodsman 334 conveniently

allows the operator to control the feed system and discharge chute from a distance. Plus, the directional discharge chute is capable of a 50-degree horizontal shift, which allows operators to park trailers side by side and fill them consecutively.

Additionally, an optional eight-foot conveyor allows for smoother and more efficient feeding, and there is a 36-inch wide drum that contains two knife pockets that are 180 degrees apart and span the full width of the drum. The knife pockets on these chippers also contain single edge, babbitted knives, which make them easier to adjust and help extend their life.

**Woodsman Chippers**

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### Jaw-action bucket crushers



Italian-based manufacturer MB S.p.a. offers four basic models of jaw-action bucket crushers, suitable for excavators from 8-ton to over 28-ton classes. Crushed material can be recycled directly on site, and all that is needed is a standard excavator in order to work efficiently. These tools are ideal in demolition and various other applications in construction, as well as for land reclamation, quarrying and mining.

The bucket crusher is a hydraulic tool, designed from traditional jaw crusher technology. Unlike a conventional crusher however, these units are operated by the hydraulic power provided by the carrier. Units allow operators to pick up rock and various types of materials to be crushed, and then pile it onto trucks or use it for back-filling on site.

The four models (BF 60.1, BF 70.2, BF 90.3 and BF 120.4) weigh from 1.5 to 4.9 tonnes; crusher jaw openings range from 60 x 45 cm to 120 x 45 cm; and bucket capacities are from 0.5 m<sup>3</sup> to 1 m<sup>3</sup>.

Output material piece size is adjustable from between 20 and 120 mm, depending on the model, while average hourly production is between 9.1 and 50 m<sup>3</sup> (depending on the model and required product size).

Additionally, a new iron separator system provides an efficient way to handle the separation of ferrous metals from crushed inert materials. Available for all MB bucket crusher models, this device is composed of a 250 kg magnet, magnet support and installation kit.

**MB S.p.a.**


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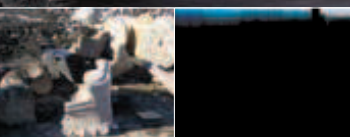




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