

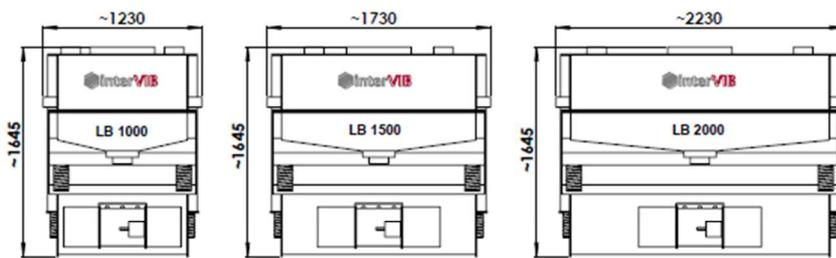
Product information LB & GS

interVIB Lump Breaker LB

Lump Breaker LB are in operation in foundries for recycling and grating lumped up moulding sand. They are delivered in three standard sizes, but can be customized to the required application.

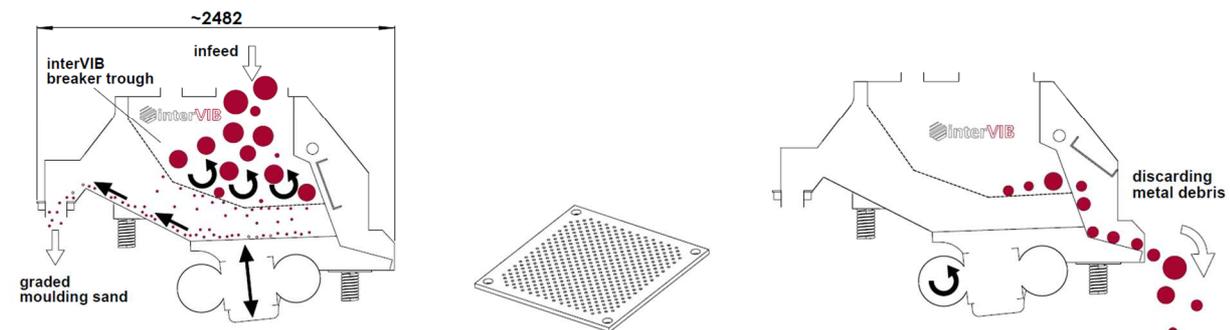
Standard sizes and breaking capacities are:

(the breaking capacity depends on the hardness of the specific lumps and the bounded debris from the castings):



LB 1000 ~ 5 t/hr
 LB 1500 ~ 8-10 t/hr
 LB 2000 ~ 12-15 t/hr

Essentially the main parts of the interVIB Lump Breaker are the infeed, breaking trough, discharge and discarding flap for the debris.



Inside the breaking trough the lumps are pulverized by vibration down to particle sizes for reusing the moulding sand. The required particle size is achieved by exchangeable, bolted in screen plates which include downwards conical bore holes. The graded particles are transported upwards to the discharge. These particles are lead back into the production process.

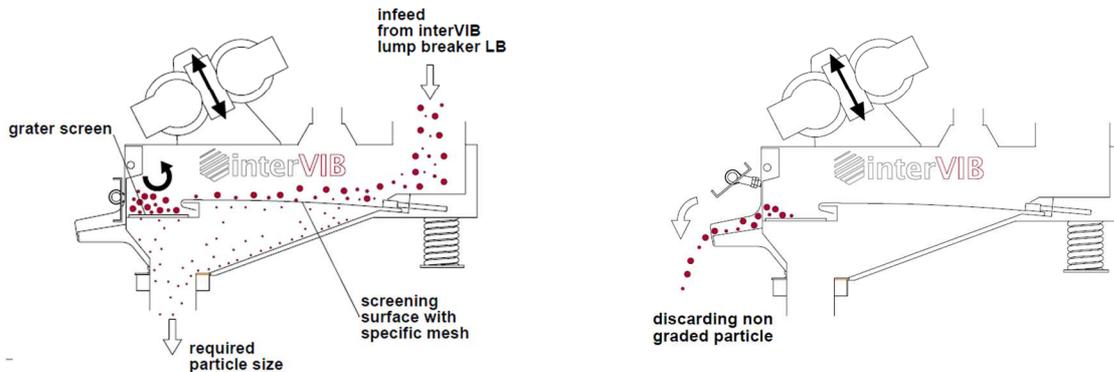
Advantages interVIB Lump Breaker LB:

- high operational availability
- less wear and energy efficient
- easy access to the breaker trough, reducing maintenance time
- short term discarding time of debris (< 2 minutes)
- no frequency controller needed
- standardized parts of worldwide well known sub-suppliers
- robust design with less machine weight

Product information LB & GS

interVIB Grater Screen GS

The quality and quantity of the recycled moulding sand can be increased once more when operating a Grater Screen GS behind the Lump Breaker LB.



The graded moulding sand from the Lump Breaker LB will be fed directly into the Grater Screen GS. The required particle size is classified by an integrated and easy to change screening surface. Oversized particles are accumulated and graded down to the required size on a special rasping surface. This extra treated material is fed back into the production process as well. Remaining debris is discarded through pneumatic flap, similar to the discarding process at the Lump Breaker LB.

Advantages interVIB Grater Screen GS:

- less wasted moulding sand, which has to be disposed
- remarkable quality upgrade of the graded moulding sand according particle size and less debris
- partition from the Lump Breaker LB allows quick maintenance and easy access
- partition from the Lump Breaker LB achieves better grading results, because out-of-balance operation of the lump breaker and possible product jam ups are eliminated
- the screening quality and grading result is essentially better than with combined machinery
- no frequency controller is required
- standardized parts of worldwide well known sub-suppliers
- robust design with less machine weight

Installation example of a Lump Breaker LB followed by a Grater Screen GS:

