



### Diaber bring recycled glass sieving process in house increasing throughput to 2-3 tonnes per hour

#### Belgian company of natural minerals optimizes its new production line with the installation of the Finex Separator™



With over 25 years in the blasting, renovation, surface treatment and steel infrastructure, Dutch company Diaber is a company which specializes in natural minerals. The products it supplies are natural, and it also uses recycled materials as much as possible in its products and services. Reglass Glasgrit is one such product produced by Diaber which is used in combination with a blast cleaning machine, and machine and is ideal for cleaning facades. The quality of this product with its fine grains, means that it allows for paint to be removed effectively and can be easily processed to remove rust.

Having previously outsourced its glass sieving process, this method proved to be very expensive for Diaber. The company therefore sought an alternative solution, a machine that could be installed into a new production line in a new facility closer to the company, that offered a higher throughput and was both high-powered and cost-effective.

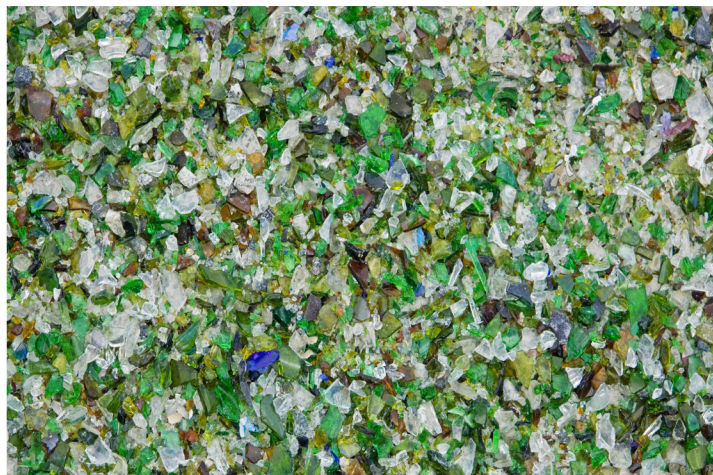


Figure 1. Recycled glass

After researching for the best industrial manufacturer that would meet its requirements Diaber approached Russell Finex. After a full consultation with experienced sales engineers, and a subsequent evaluation period of the proposed equipment, Diaber was recommended the [Finex Separator™](#) as the ideal vibratory separation solution for its glass sieving process.

As part of Diaber's overall production process, the Finex Separator™ is used to sieve recycled glass before it is cleaned, ground, and packaged. As it is installed within a brand-new production line, this industrial vibratory separator is chosen for its ability to process recycled glass at high capacities, significantly higher than other conventional separators. The throughput benefits offered by the Finex Separator™ also helped Diaber considerably. It managed to improve its throughput by processing the glass at 2-3 tonnes per hour, a rate far higher than conventional separators.

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**“We were very satisfied with the execution and assistance provided by Russell Finex. The performance of the Finex Separator was neat and accurate, and we were easily able to process the larger bulk fractions of recycled glass with little issue.”**

**Kees Braal, a spokesperson for Diaber**

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The throughput benefits offered by the Finex Separator™ also helped Diaber considerably. It managed to improve its throughput by processing the glass at 2-3 tonnes per hour, a rate far higher than conventional separators. Contamination was effectively removed, along with the time taken to sieve each batch being reduced, allowing Diaber to reduce downtime costs previously spent on transporting the glass to a supplier. Being able to achieve this process at an 'on-site' processing line gave the company peace of mind and satisfaction with the end-product produced by the Finex Separator™ before it continued for further processing.



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The spokesperson continued: "The machine was easy to operate and use, with clear instructions and availability of spare parts readily offered. Given how our production capacity increased so dramatically with this Finex Separator, if production expands further in this new production line the chance that we will look to install a second unit is very high."

Available in a variety of different sizes, the Finex Separator™ can be tailored to suit a variety of production requirements. Ideal for grading both wet and dry materials, this versatile unit is both accurate and versatile. With full material flow on up to four meshes, it is designed to enhance product quality and streamline manufacturing processes – saving both time and resources used to sieve materials.

### About Russell Finex

Established in 1934, with 85 years' experience in industrial manufacturing, Russell Finex is a global leading providing innovative industrial sieving and filtration solutions for the processing industry. With a range of high-performance vibratory separators, check-screens, and self-cleaning filtration units, Russell Finex can provide companies from various industries from glass recycling, chemicals, coatings, and metal powders, with solutions that meet their processing requirements. To find out more, [contact an experienced Russell Finex sales engineer today.](#)



Figure 2. The Finex Separator™

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