PASSION FOR SPORTS GROUNDS





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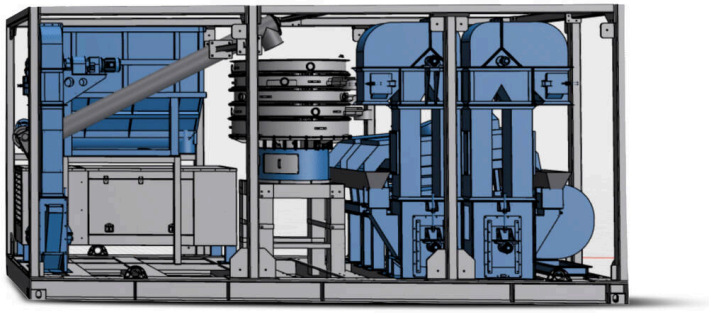
Infill-Separator

RENOWACJA

High-efficiency separation system for the recovery and reuse of infill components during synthetic turf reclamation.

The Infill-Separator is a modular system designed for the precise separation of infill materials into their reusable individual components. It made up of multiple coordinated processing stages and is suitable for both stationary installations and mobile on-site applications.

The material is first fed into a tumbler screening unit, which classifies it by grain size and particle diameter. At the same time, coarse contaminants such as stones, cigarette butts, and larger plastic parts are reliably removed. This mechanical pre-separation ensures process stability and the efficiency of the downstream stages.



In the next step, the material passes through specially developed separation units designed for high-precision separation of sand and rubber granulate. Here, the two main fractions are separated based on particle size and density.

In an additional processing stage, remaining plastic fibers and filaments are effectively removed. This cleaning step is essential for achieving high end-product quality and ensures the materials are suitable for reuse.

The system ensures clean, fraction-specific separation into four clearly defined material streams: rubber granulate, silicate-based components such as quartz sand, plastic fibers

(e.g., from polyethylene), and residuals or fine contaminants with a maximum content of 2%.

The separated fractions are automatically filled into dedicated Big Bags, making them ready for direct reuse or reintegration into the secondary raw materials cycle.

Technical information:

- Energy consumption: 31 kWh
- Personnel required: 1 operator + 1 forklift driver
- Buffer container capacity: 2 m³

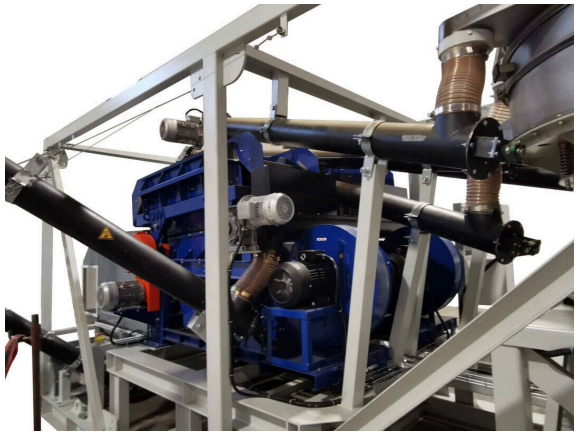
Infill-Separator / Szczegółowe widoki

RENOWACJA



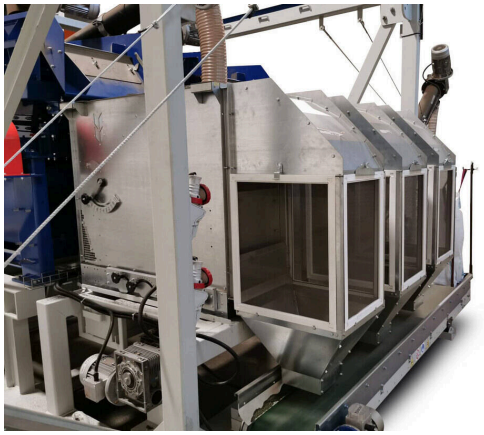
Tumbler screening plant

Mechanical pre-separation by tumbler screen, ensures process stability and reliably removes coarse contaminants.



Separation units

Precision aggregates for the separation of sand and rubber granulate according to grain size and density



Fiber and filament separators

Separation of the plastic filament from sand and rubber with subsequent big-bag filling

Infill-Separator / Szczegółowe widoki

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Control and operating unit

Central unit (left) and control unit for fiber and filament separators (right)



Automated big bag filling

Automated fraction filling into defined big bags – ready for recycling

Infill-Separator / Szczegółowe widoki

RENOWACJA

Numer pozycji/numery:	*6400363*
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Z zastrzeżeniem zmian technicznych

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