

# **Disc**Spreader<sup>®</sup> automove

**SPREADING** | PRODUCT PRESENTATION

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## Optimal material distribution thanks to AI

Our DiscSpreaders are known for their perfect material distribution of glass, wood, compost, scrap, slag, waste or any other kind of bulk material. They work with linear and non-linear material feeding and are extremely maintenance-friendly and space-saving.

Currently, disc spreading machines require manual adjustments when the input material is modified. To avoid this, we teamed with leading AI developers from the Technical University of Cologne and developed a solution that automatically orients the discs using Artificial Intelligence. With a camera above the conveyor, it is possible to monitor how the material is distributed. The gathered data allows the discs to adjust automatically and spread the material perfectly.

Indeed, our research proved that a single disc is enough to obtain the same results. Therefore, we were able to design a compact patented system, that requires less space, offers maximal efficiency and can be directly mounted into any type of conveyor belt.

### Technology Center

Let us analyse your ROI: We will test the performance of your materials at our Technology Center and we assure you that you will achieve the same results with your application.



Powered by

 Perceptive Machines

The success of this product has shown us the enormous potential of using AI to improve manufacturing processes and predict maintenance times. It has motivated us to make this type of technology accessible to any manufacturer and industry, so we have created the joint start-up Perceptive Machines, formed by a team of AI experts and engineers that will develop and implement AI solutions to your machines.

[www.perceptive-machines.com](http://www.perceptive-machines.com)

## Key advantages

### Automatic control and adjustment

Thanks to deep learning algorithms

### Three directional movements

Maximal adaptation to different input materials

### Minimal space consumption

Even side mounting is possible

## Application examples



- To replace vibrating tables that take up a lot of space and require a lot of maintenance.
- For the pre-processing of optical or ballistic separators, screens, windsifters or even manual sorting.
- To optimize the throughput and purity of existing applications.



## About us

Westeria is a German company from Westphalia with over 60 years of experience producing innovative machinery. Since 1956, our product portfolio has largely grown to provide high-quality machines, technical expertise and excellent service to our clients. We are constantly developing new recycling machines and conveyor systems for what is perhaps the biggest challenge of the present day: make the circular economy a valuable and profitable reality all over the world.



Westeria® GmbH

Raiffeisenstr. 2, 48346 Ostbevern, Germany  
Tel +49 2532 88-0 | [www.westeria.de](http://www.westeria.de)