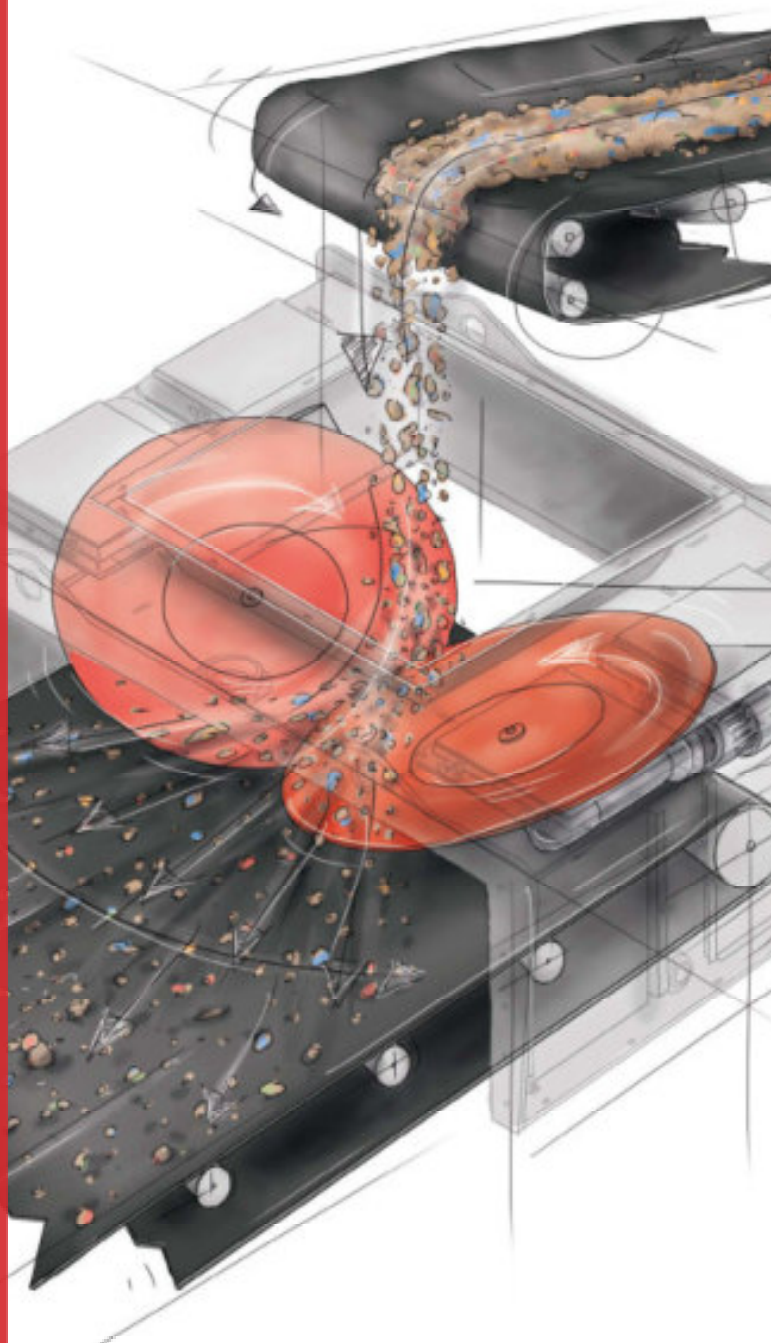
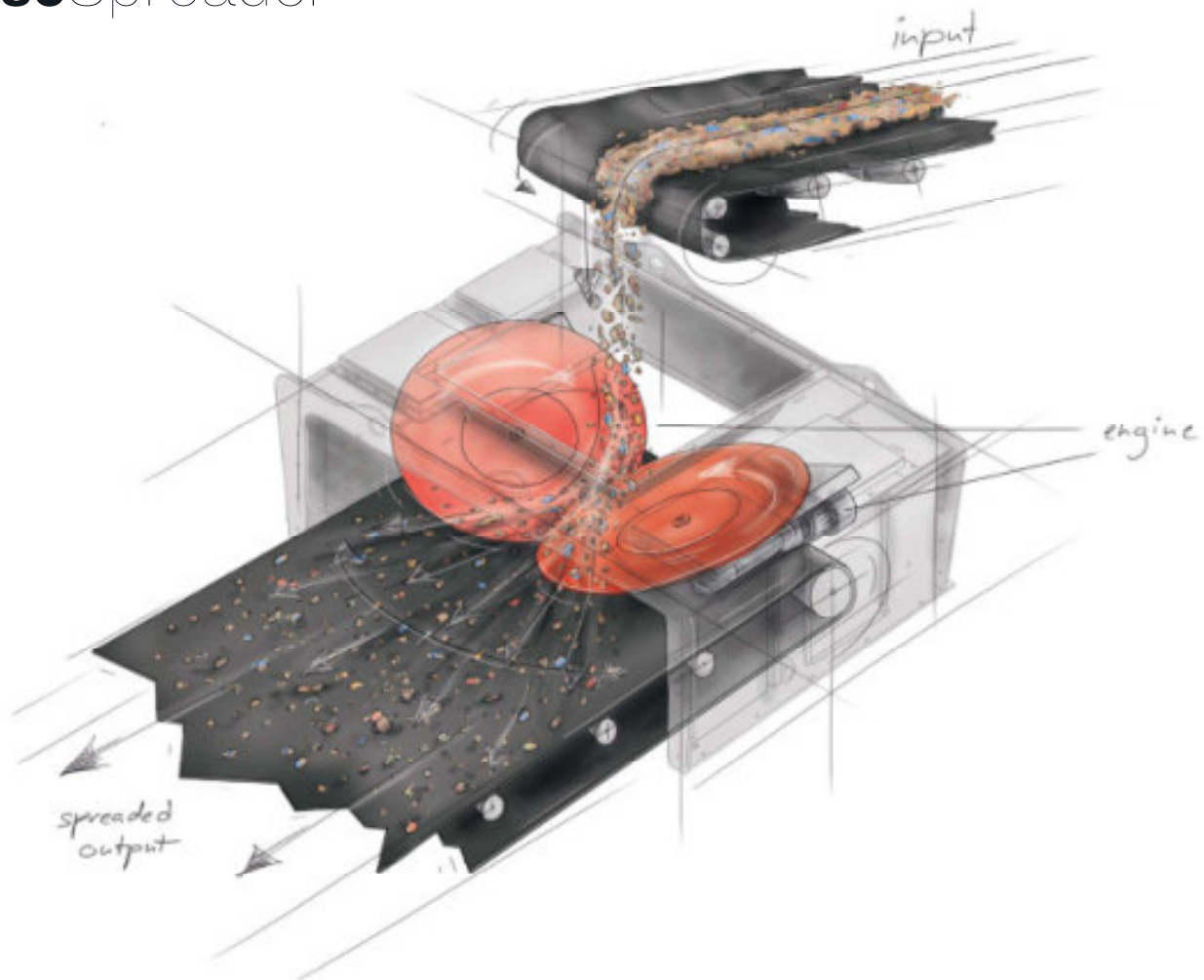


DiscSpreader®

SPREADING | PRODUCT PRESENTATION



DiscSpreader®



Optimal material distribution

Our DiscSpreaders are known for perfectly spreading glass, wood, compost, 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. Depending on your application, our DiscSpreaders are available in different versions: classic, head, add, move and automove.

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.

Key advantages

Low maintenance

Since the material only comes into contact with the distribution unit for an extremely short time, you avoid sticky residues.

Space-saving

Compact design that saves up to 7 m in comparison to vibro tables.

Flexible width

The distribution's width can be expanded from 1.500 mm to 3.000 mm.

Precise adjustment

The spreading discs can be adjusted with high precision manually or with artificial intelligence.



More profitable with artificial intelligence

Whether it's NIR, eddy current, or air classifier, our bestseller, the DiscSpreader, is always the perfect device to distribute material flow evenly. Our base model is already sufficient for many applications.

Our latest advancement now ensures even better distribution qualities. Thanks to **artificial intelligence**, the distribution discs are continuously optimally aligned. There is no need for readjustment as the material composition gradually changes. The DiscSpreader can also autonomously correct any contamination on the disc or chute that would alter the material flow.

As a result, we even surpass the already good distribution quality of the classic DiscSpreader. This advantage is particularly beneficial for applications where the efficiency of a sorting machine is to be maximized.

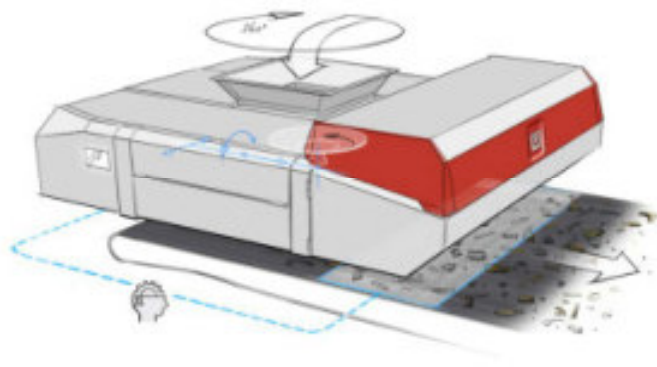
The design with only one disc makes the machine extremely compact and yet offers maximum efficiency, as the disc can be moved along three axes. Thanks to visual recognition and self-learning algorithms, the disc adjusts its position when the material composition changes.



The classic DiscSpreader is designed for all machines: Accelerator belts from NIR, eddy current or windsifter, but also as a shredder attachment to minimize blade wear.



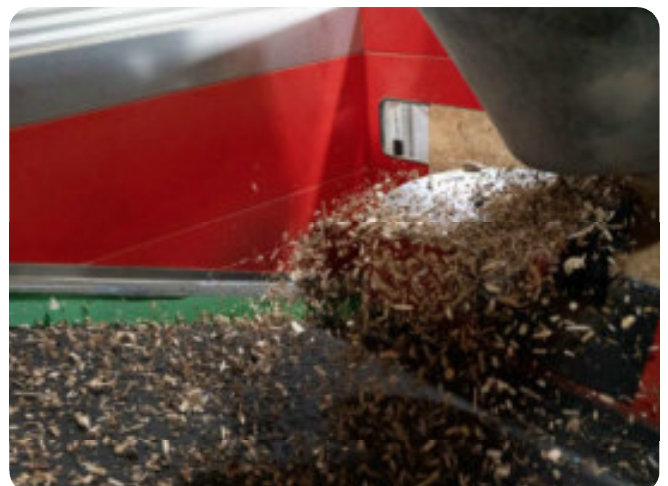
The design of the DiscSpreader is also perfectly adapted for installation in our windsifter AirStar.



DiscSpreader automove: The continuous optical monitoring of material distribution establishes a neural network for each machine, autonomously optimizing the alignment of the distribution disc. This self-learning algorithm continuously gathers new data, enabling it to swiftly adapt to any changes in the material flow.

Examples

- Compact alternative to vibrating tables
- For the pre-treatment of optical or ballistic separators, sieves, windsifters or for manual sorting.
- To optimize the throughput and purity of existing applications.
- It can distribute any bulk material such as glass, wood, compost, scrap, slag or waste.



Details

Simply by adding extra funnels, the feeding is possible from any side you want.

Discs can be manufactured in: steel, stainless steel or Kobaflex V80.

Motor positioning outside of the housing

Manual adjustment for DiscSpreaders classic, head, add and move.

Simple height adjustment

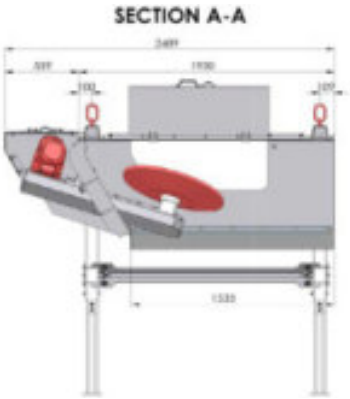
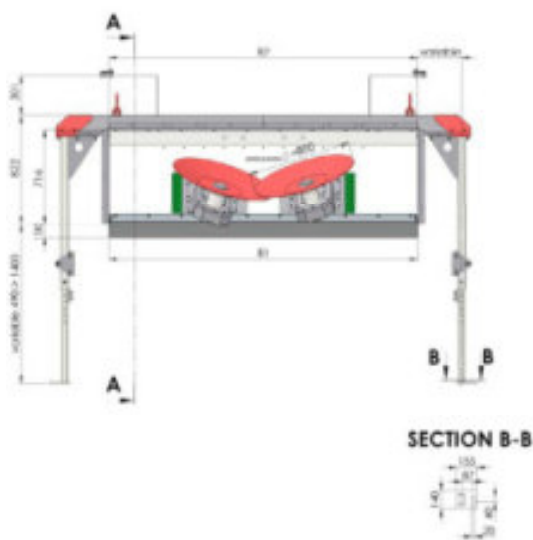
Technology Center

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.



Technical information

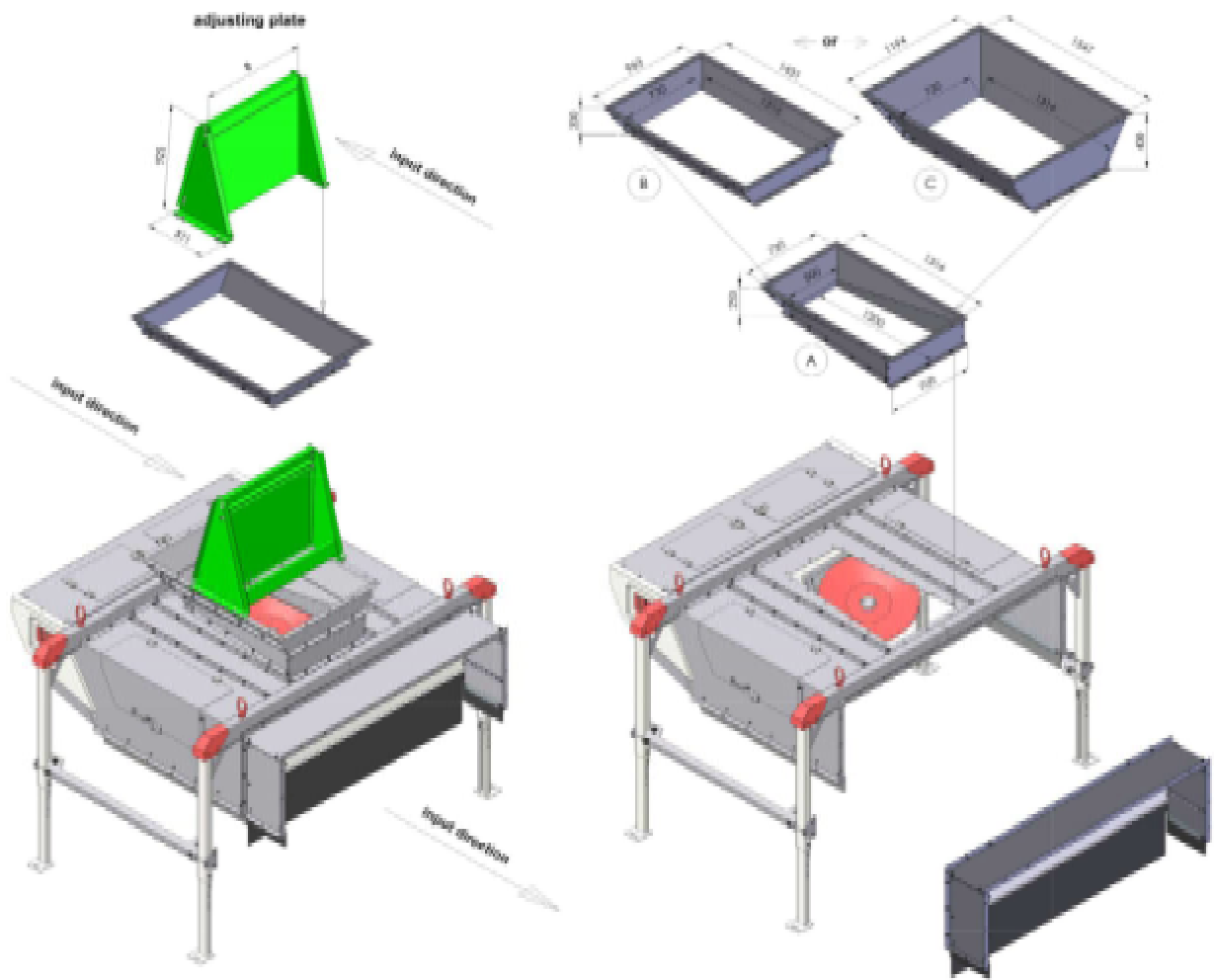
DiscSpreader classic Ø 800 mm

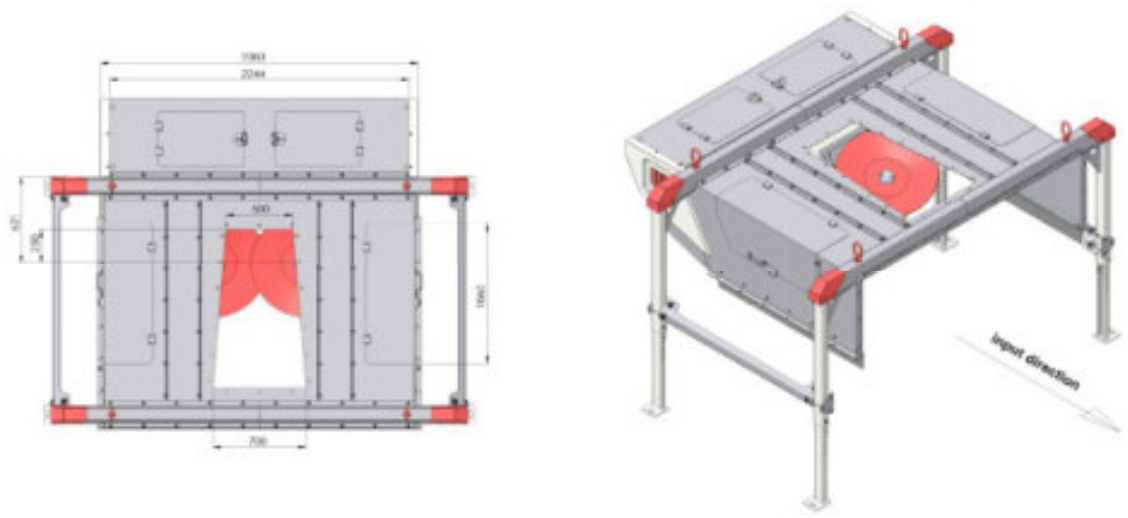


Model	B1 (mm)	B2 (mm)
800/1500	1342	1830
800/2000	1842	1830
800/2500	2342	2330
800/3000	2842	2830

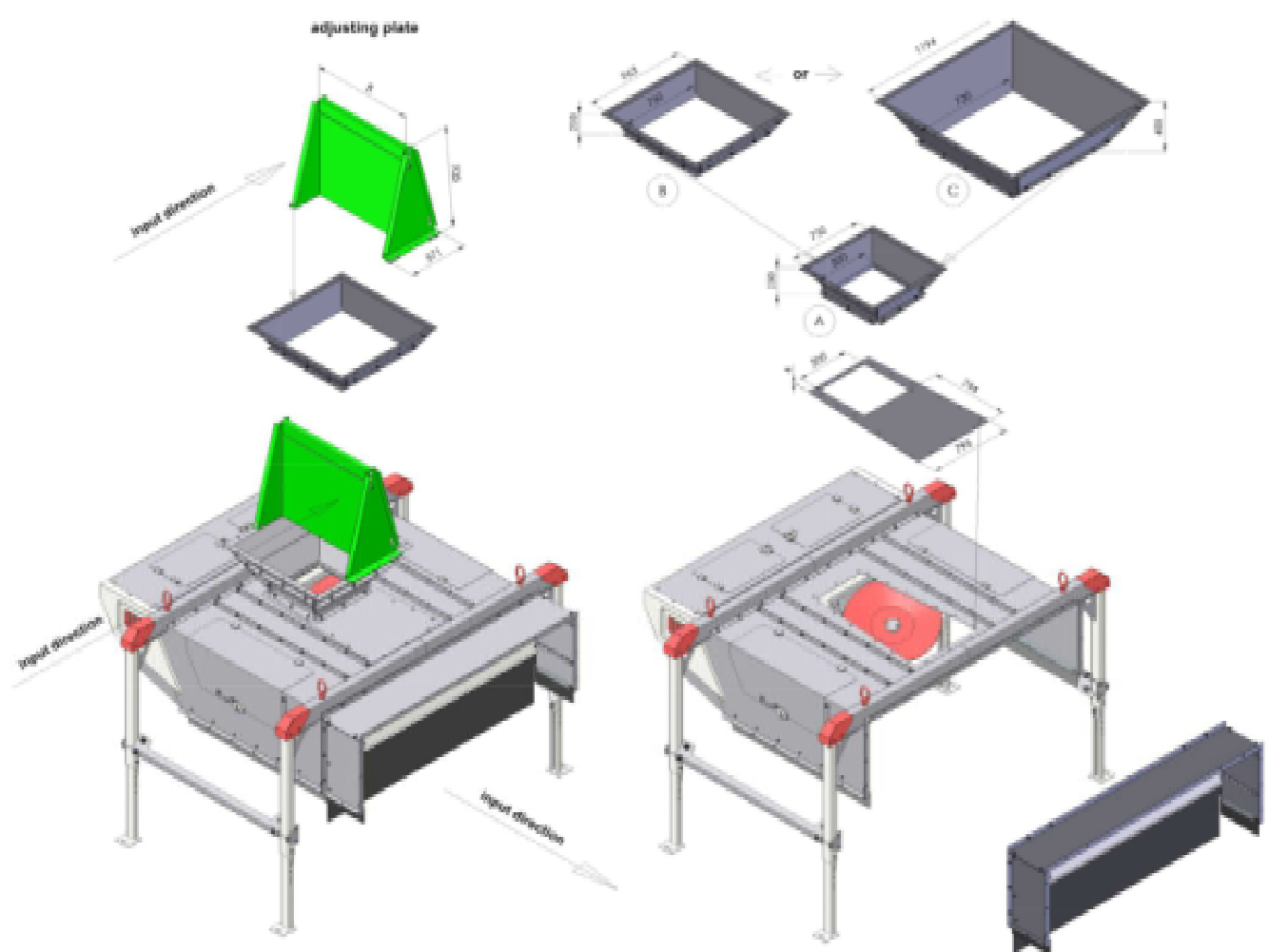
Funnel	B (mm)
A	730
B	963
C	1194

Funnel for in line input direction

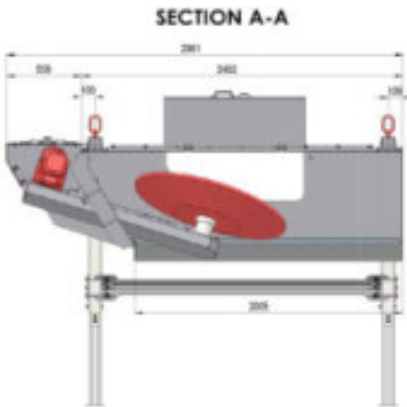
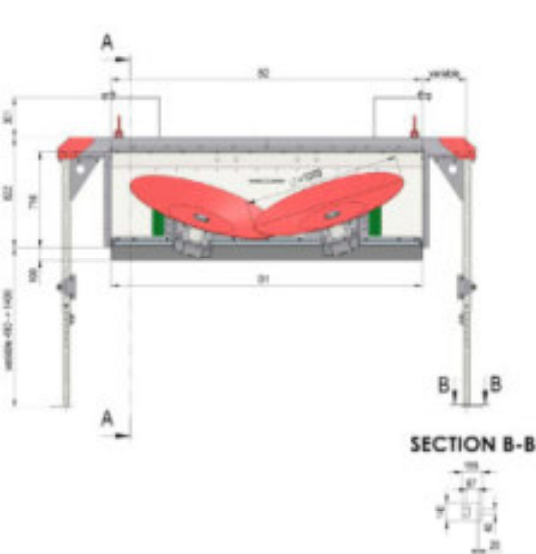




Funnel for 90° input direction



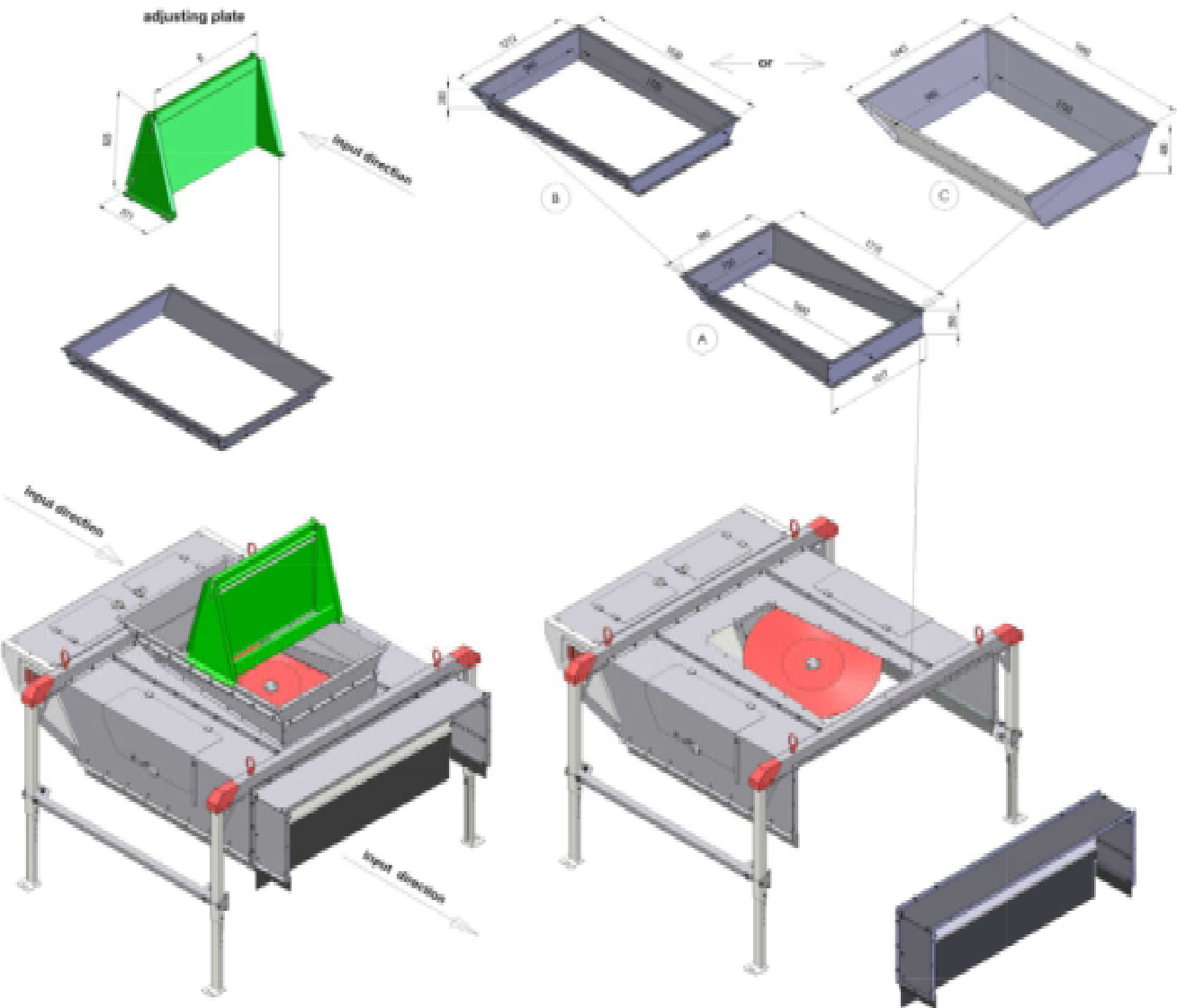
DiscSpreader classic Ø 1200 mm



Model	B1 (mm)	B2 (mm)
1200/2000	1842	2330
1200/2500	2342	2330
1200/3000	2842	2830

Funnel	B (mm)
A	980
B	1212
C	1443

Funnel for in line input direction





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