

Your problem!

Uncontrolled discharge of large volume granular solids by way of conventional transfer chutes, has a history of escalated maintenance and replacement costs, through excessive wear and tear and other related problems.

Recent studies have shown that the inadequacy of design in conventional chutes is the root cause of cost escalation.

This design inadequacy can lead to a number of disadvantages that undermine the efficiency of any bulk handling system.

Disadvantages of conventional designs.

- Unwanted fines generation with consequential dust emission.
- High maintenance costs due to excessive wear.
- Plant downtime due to belt damage.
- Unacceptable noise generation.
- Uneven belt loading.
- Excessive material spillage and blockages.
- Requires skirtings with consequential problems
- Requires impact idlers under chute.
- Requires manpower to supervise chute.
- Flooding of belt.
- Difficulty with multiple belt loading and numerous other problems
- High risk of injury during maintenance procedures.

Our Solution!

In the early nineties, WEBA conducted an intensive study into the negative and cost-incurring aspects of conventional chute design. This led to the birth of the WEBA System - a streamlined scientific approach to the dynamics of bulk materials handling at transfer points. Regardless of belt speed, belt width, material size, shape or throughput, (sticky materials require special attention), the WEBA System eliminates the problems associated with conventional transfer chutes and provides cost-effective and environmentally friendly solutions.

Custom design

Each WEBA Chute is custom-designed to control the Direction, flow and Velocity of a calculated volume and type of material processed in each application. This critical design criterion is achieved by extensive use of sophisticated 3-D computer software to create a "Supertube" (shown on front cover). The Supertube effect can be achieved by use of a Dead-box system or, by using different types of liners. We have a specialist design team, available on a consultancy basis, to assist in assimilating all customer requirements.

Important

With over 2000 custom-designed WEBA Systems successfully operating, our level of confidence allows us to offer a performance guarantee on all WEBA advantages, where applicable.

After-sales service

Although the WEBA System reduces maintenance costs drastically, we still recommend periodic inspections. Power Techniques have inaugurated a service programme to maintain peak efficiency from the WEBA Chute system at your transfer points. It makes a lot of sense to place the responsibility for the smooth running of these points, in the hands of those who designed the system!



Typical Head Chute with Magnetic Separator



WEBA Stacker Chute