BENETECH MaxZone PLUS®

U.S. Patent # 11,273,994

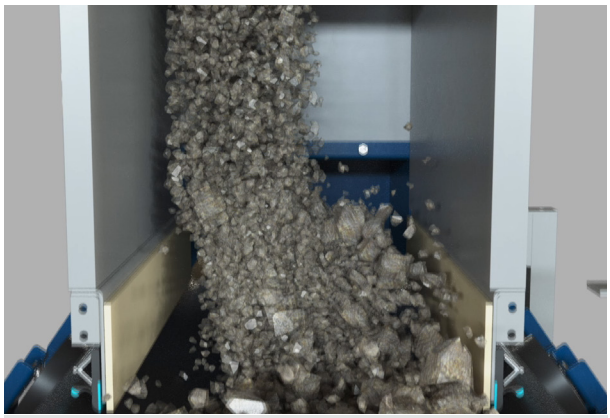
CONVEYOR LOADING RE-ALIGNMENT

MaxZone Plus®

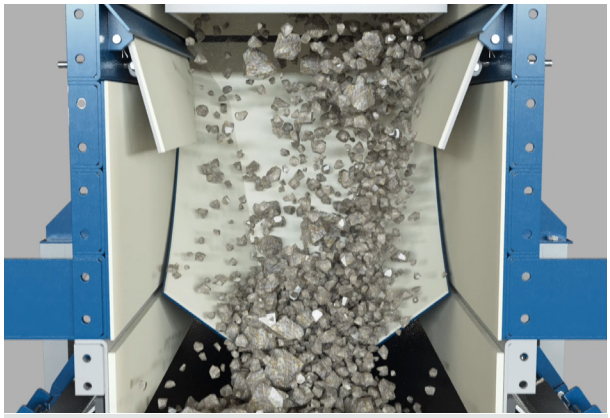
Improper or off-center loading can lead to excessive spillage and dust leading to mistracking belts, making motors work harder, and creating safety issues.

Although these problems should be addressed, time and budget constraints do not always allow for an engineered load zone chute replacement. Benetech has developed a low-cost solution to combat off-center conveyor loading without costly chute redesign.

The MaxZone® Plus system has adjustable side kicker plates and a rear deflector that move material forward onto the conveyor belt to center load the material correctly for a smoother transition onto the moving belt. Removable side panels accommodate precise configuration and can be installed easily into an existing MaxZone® or retrofitted to other containment systems.



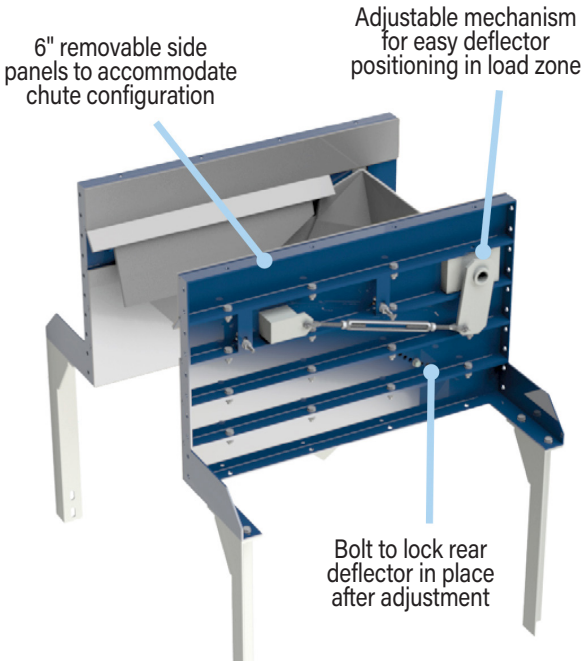
Off-Center Loading



Center Loading With MaxZone Plus®

FEATURES & BENEFITS

- Adjustable side kicker plates and a rear deflector improve center loading of material
- Removable side panels allow for height adjustment based on load chute needs
- Greatly minimizes dust and spillage from load zones



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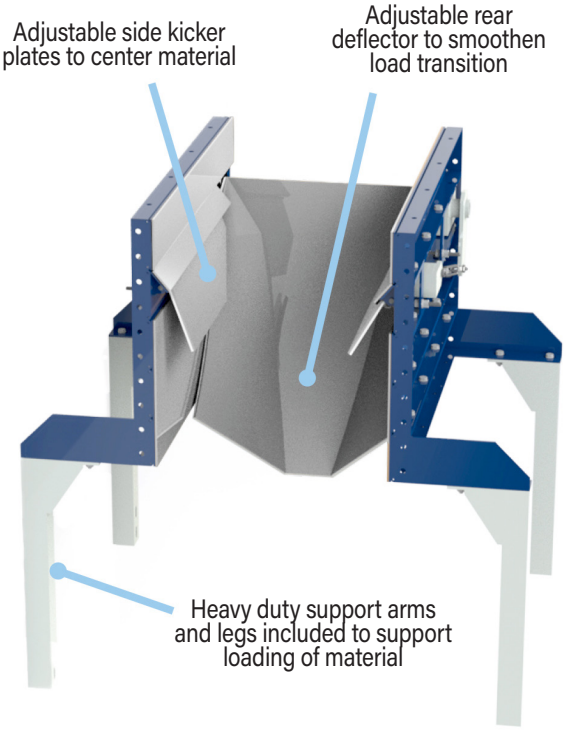
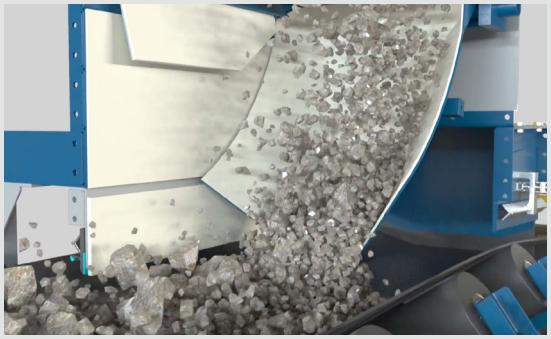


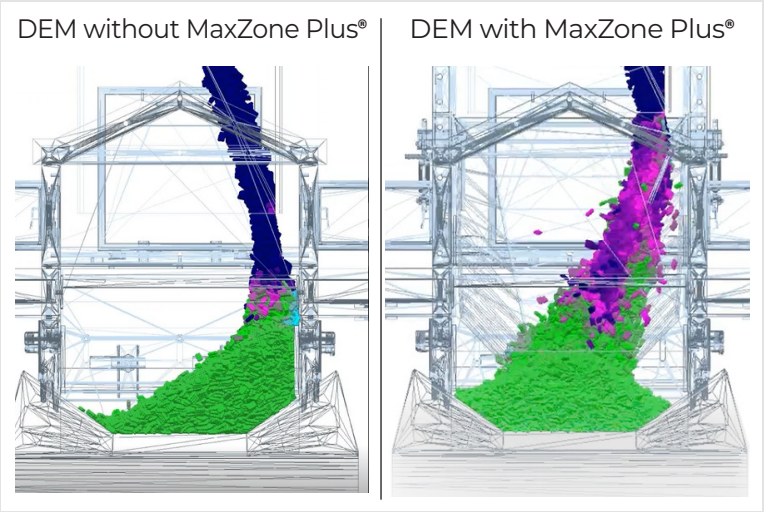


XN LINER® WEARLINERS

XN Liner® wearliners are compatible with the MaxZone Plus® system. The deflectors are available in standard thicknesses of 1/4 inch using various materials.

MATERIAL OPTIONS

- AR400 (standard)
- UHMW
- Stainless
- Chromium Carbide
- Rubber



DISCRETE ELEMENT METHOD (DEM) FLOW ANALYSIS

Benetech uses state-of-the-art DEM analysis to evaluate and optimize each transfer point design. This pre-installation computer modeling process anticipates the load zone's potential downstream material flow problems and solves them before expensive mistakes interfere with production.