

Specialty Equipment: Wall Hopper with Wobble-Flight Screws



“Wobble Screws”
Side View



“Wobble Screws”
End View

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Wall Hoppers are used when unloading Walking Floor Trailers and are suitable for use in applications handling a wide variety of shredded material, such as; Sawdust, Wood Shavings, Recycled Plastic, Rubber, Paper or any other material that would be suitable in a Walking Floor Trailer. The “Wobble-Flight” configuration has several advantages over a conventional spike roll de-lumper;

a) The larger OD allows for slower rotating speed, which transfers more torque into de-lumping.

b) The saw-tooth design is considered to be “self-cleaning” and much less likely to become entangled in stringy materials.

c) The mass of the full flight makes this arrangement

significantly less susceptible to bending and distortion.

The Wobble Flights are positioned near the top and middle of the incoming mass and rotate to help Claw, Shred and/or Tear the Material off the mass being pushed out of the Trailer. As the material falls to the bottom of the hopper, there is a Screw Feeder, sized for the application, to move the material into the first stage of whatever process is used at this particular location.

Looking for real “Solutions” for your bulk material handling problems? Contact TPI Engineered Systems, Inc. today and take advantage of our innovative thinking and many years of practical experience to help you design a system that is Prudent, Practical and most of all, “Cost Effective”.



Delivery Door Wall Hoppers