

EAGLE

FINES REDUCTION COMPONENTS

STRAIGHTS & BENDS FOR MATERIAL LINES

Angel Hair Is A Devilish Problem

Look inside the smooth tubing used by some processors to pneumatically convey plastic pellets. You'll probably see it clogged with a special kind of clutter: *angel hair*.

Angel hair naturally forms when the pellets abrade against the inside of this smooth tubing. Adhering to the inside of the bends, it clogs system terminals and filters, leads to product loss and causes production downtime. In general, angel hair can cause *one devil of a prob-*

Heli-Groove™ Prevents Angel-Hair Residue From Collecting

Some plastic pellets cannot be conveyed by conventional smooth tubing. The angel-hair problem requires special treatment. Heli-Groove is specifically designed as a highly effective solution.

Very simply, Heli-Groove prevents angel-hair residue from collecting.

Available for Straights and Bends.

Manufactured by Quality-Oriented Employees

Heli-Groove is now, more than ever, the choice. It is manufactured entirely by the quality-oriented people where an ongoing corporate process continually strives to improve product quality and service.

Shot peening is a cold working *non-directional* process in which the surface of a part is bombarded with small spherical media called shot. Each piece of shot striking the material acts as a tiny peening hammer, imparting to the surface a small indentation or dimple. The resulting dimple may serve to disrupt the boundary layer of the flow creating turbulence and the tendency of particles to tumble along the wall of the pipe or tubing.

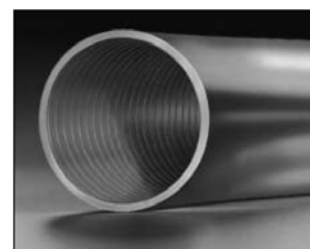
Available for Straights and Bends.

"Flo-Line" internal finish is a *directional* roughness applied by a proprietary shot peening process. The finish is consistent and covers 100% of the internal surface of the pipe. The impact of the round shot compresses and flows the surface to produce a form of cratered roughness. The resulting dimple serves to disrupt the boundary layer of the flow creating turbulence and the tendency of particles to tumble rather than slide along the wall of the pipe or tubing.

Available for Straights and Bends.



STANDARD TUBING



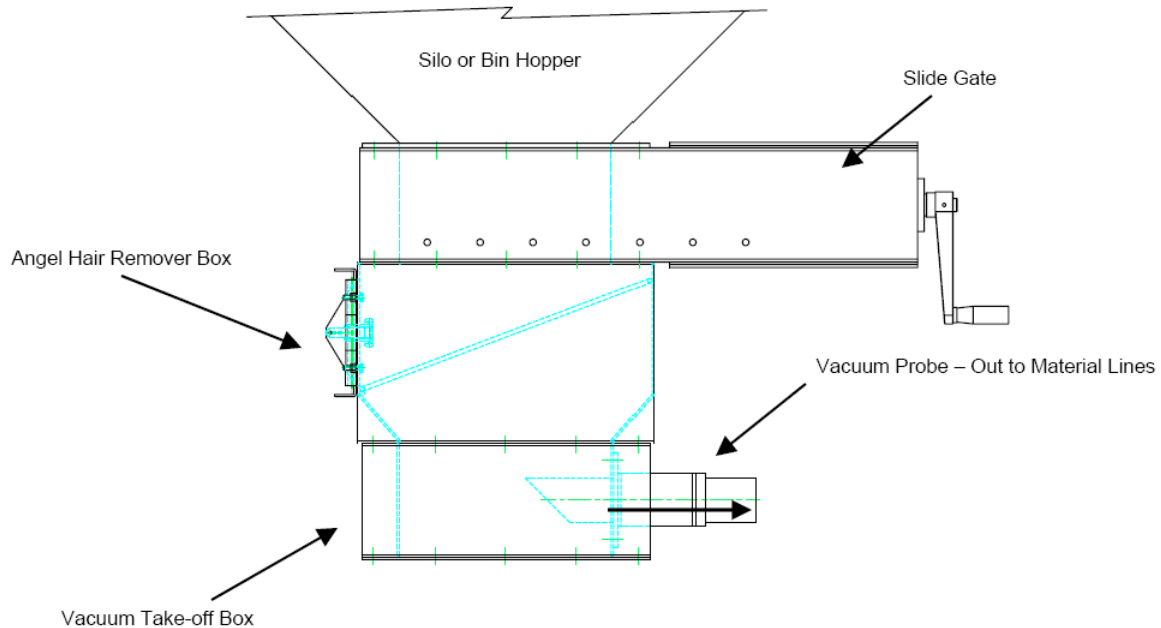
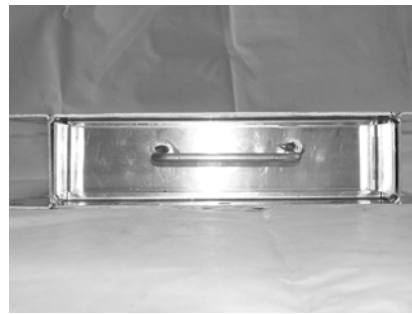
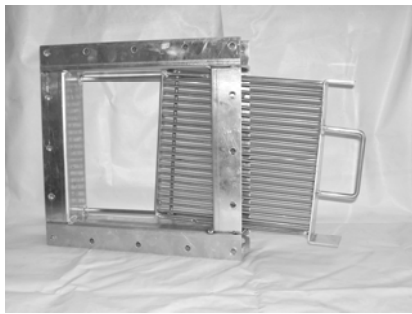
HELI-GROOVE TUBING

ANGEL HAIR REMOVER BOXES

Trap material fines before they clog your entire conveying system!

"Angel hair," "streamers" or "skins," created by high-velocity conveying of soft material, can clog your conveying system by blocking distribution box tubes or creating material bridges in hoppers. EAGLE's Angel Hair Remover provides a tubular trap screen in the material flow path to filter out the clogging fines material and allow it to be easily removed from the system. Usually fitted at the base of a silo or storage bin, the Angel Hair Remover should be installed below an EAGLE Slide Gate (see below) and above your main Vacuum Take-off Box. The unit fits the same 16" square bolt pattern as EAGLE's entire line of material distribution components.

Available in a variety of heights to accommodate your discharge clearance heights and various conveying capacities to suit your conveying rate.



The Eagle Group, Ltd.
8384 W. Peck Road
Greenville, MI 48838

Phone: (616) 754-7777
Fax: (616) 754-1555
E-Mail: sales@eaglegroup ltd.com
Web Page: www.eaglegroup ltd.com