



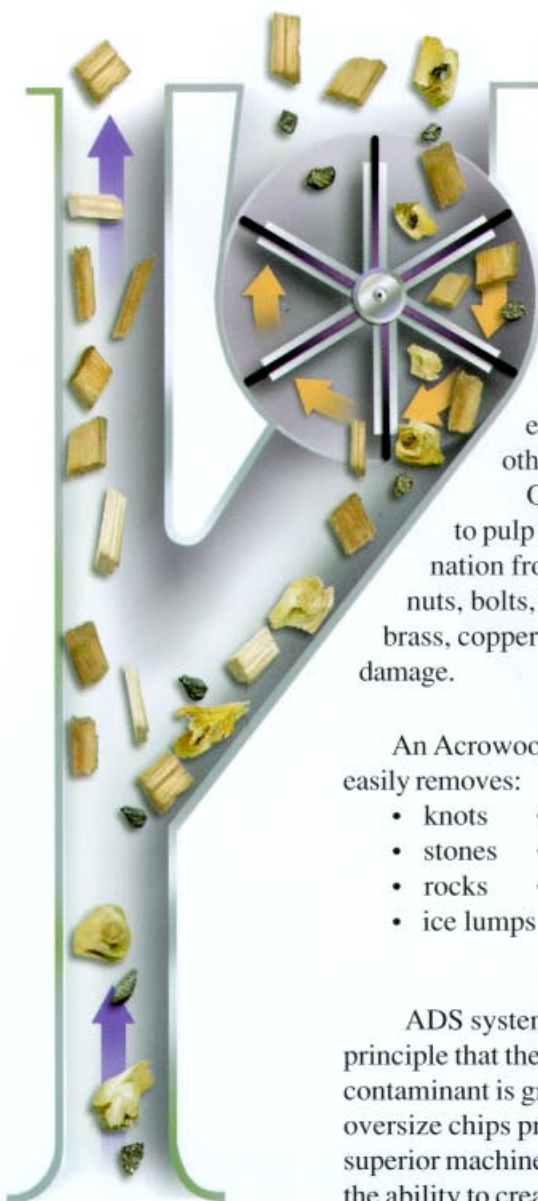
Air Density Separator



ACROWOOD
Excellence in Chip Processing



Ai



Precise Air Flow

Ideal for overthick slicing operations

Exact air flow control for superior separation efficiency allows the Acrowood Air Density Separator to easily remove knots and other contaminants.

One of the biggest dangers to pulp mill equipment is contamination from bits of wire and stones, nuts, bolts, and knots. Even pieces of brass, copper and nails can cause severe damage.

An Acrowood Air Density Separator easily removes:

- knots
- blacktop or pavement
- stones
- bricks
- rocks
- metal
- ice lumps

ADS systems operate on the basic principle that the density or weight of a contaminant is greater than the good oversize chips processed. But what makes a superior machine, an Acrowood machine, is the ability to create and control precise air movement in a larger separation area.

In installations worldwide, reports are the same: The Acrowood ADS system

provides maximum control for superior contaminant removal with minimum loss of good fiber.

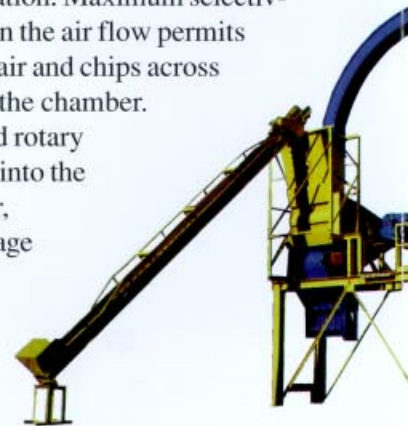
Precise Control

The ADS includes an infeed rotary airlock; a discharge rotary airlock; a tapered, ported separation chamber; transfer piping to and from the cyclone; a heavy duty cyclone; a high-performance industrial fan with a metal fabricated base; and the necessary electronic and air flow control hardware.

The separation zone design is critical to provide maximum capacity and precision set-up for the feed materials.

An adjustable back panel allows the large separation chamber to be preset for the most efficient operation. Maximum selectivity is achieved when the air flow permits uniform mixing of air and chips across the entire width of the chamber.

A rubber tipped rotary airlock feeds chips into the separation chamber, minimizing air leakage and preventing air backwash. Air turbulence is minimized by the chamber's shape.



Air Density Separator

Board and Wastewood

Effectively remove small, light contaminants

The Acrowood Air Density Separator is ideal for a variety of industries, from the board industry to wastewood processing.

Incoming raw material can be effectively cleaned for particleboard and medium density fiberboard, removing contaminants that can cause costly damage to machinery and create waste in the end product.

The ADS configured for these industries is ideal for separation of:

- sawdust
- shavings
- urban wood waste
- chips
- hogged wood

Material effectively cleaned with an ADS won't cause damage to the plates used in MDF processes, and can be sent directly to refiners.

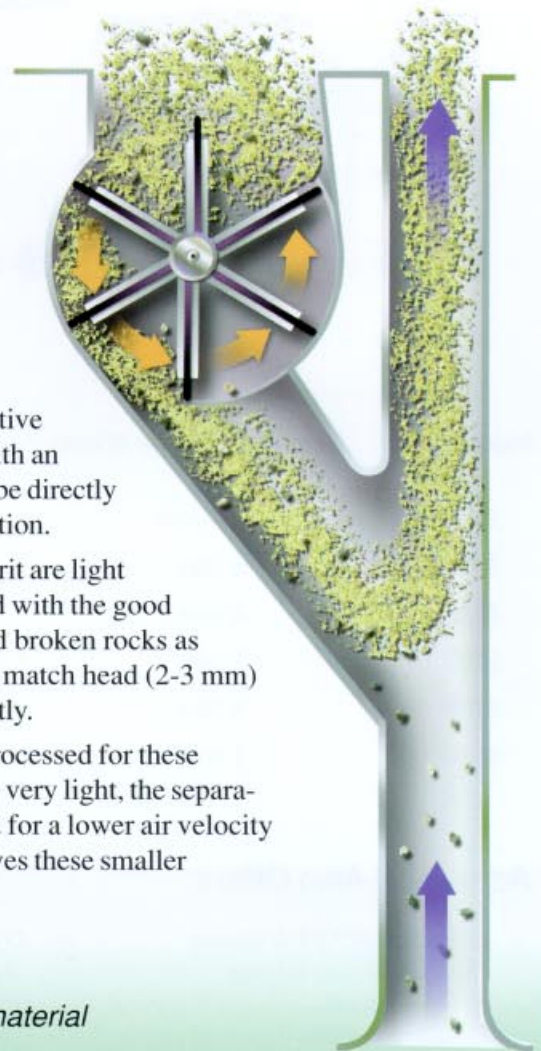
Urban wood and wastewood materials can also be cleaned to

remove rocks, non-ferrous metals, plastics, and fasteners, and large sand and grit.

The ADS has proven to be so effective that wood cleaned with an Acrowood ADS can be directly processed for production.

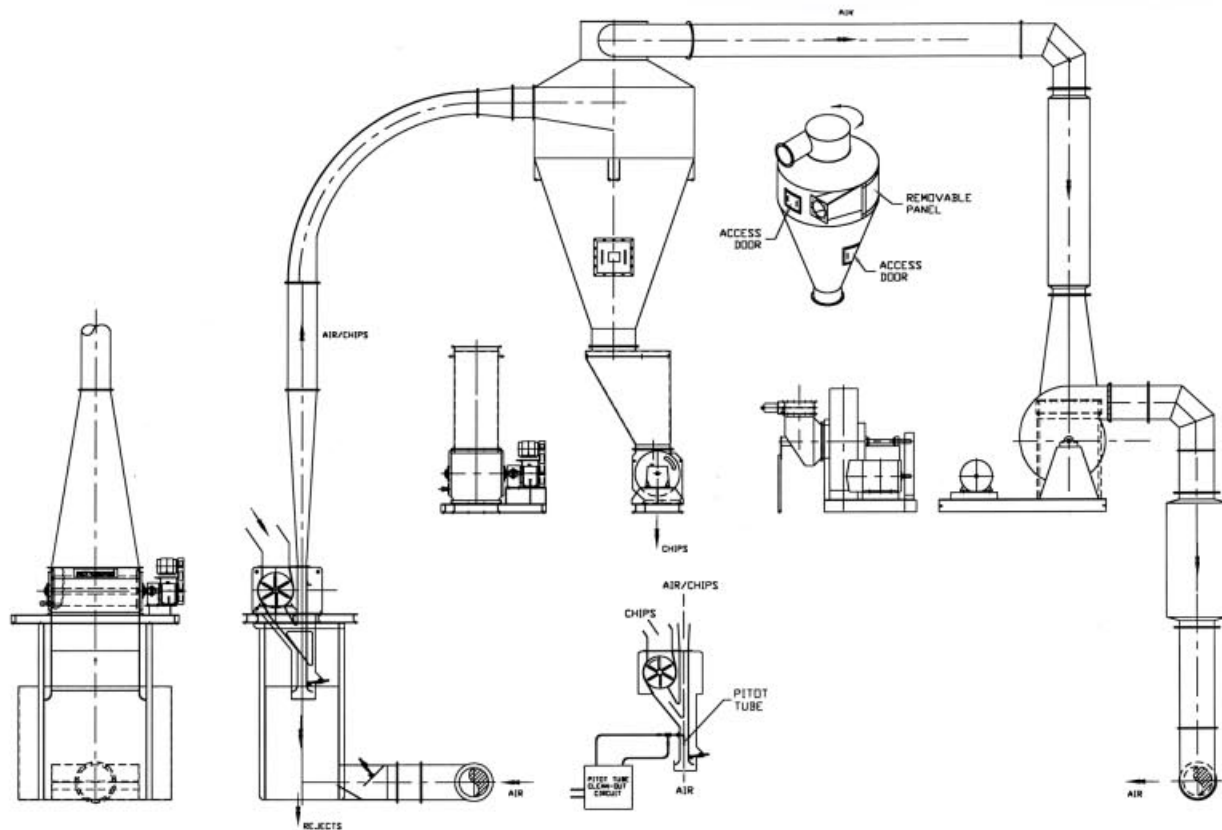
Small sand and grit are light enough to be retained with the good fiber. Nuts, bolts, and broken rocks as small as the size of a match head (2-3 mm) will fall out consistently.

Since material processed for these industries is typically very light, the separator can be configured for a lower air velocity that efficiently removes these smaller contaminants.



Very small material is efficiently removed, including non-ferrous metals, plastics, and other contaminants.

Sizing and Capacities



Model No.	Separation Zone Width	Average Capacity	Maximum Capacity	Fan Capacity (CFM)
2914	2.4 feet	20,000	30,000	7,000
3816	3 feet	29,000	40,000	9,000
4818	4 feet	37,000	50,000	12,000
6020	5 feet	45,000	60,000	15,000
7222	6 feet	55,000	70,000	18,000
8624	7 feet	65,000	80,000	22,000

Acrowood Also Offers:

- DiamondRoll™ VIRO Screens
 - Chip Thickness Screens
 - Fines Screens
 - Particle Screens
 - Sand Separation Systems
- Raised-Roll Disc Thickness Screens
- Dual Drive Suspended Rotary Screens
- Drywood II Moisture Measurement Systems
- Chip Slicers and Chip Crackers
- Disc Scalpers
- Whole Log Chippers
- Wastewood Chippers

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* U. S. and worldwide patents: 0,328,067; 4,903,845; 5,012,933; 619,245; 5,058,751; 1,333,897; 2,036,571; 89,082; 1,751,322; P68,916,664.8; 5,109,988