

ACROWOOD



Debarking



Chipping



Screening



ACROWOOD

100 Year History of Excellence

EXCELLENCE IN CHIP PROCESSING. That's been Acrowood's motto for a long time. In the 100 years we've been around, it's been more than a motto. It's a promise. Sure, we were Sumner, then Black Clawson, then Acrowood. But it's all the same to us. We still sell parts to the Black Clawson Chippers. We still have the old BC engineering drawings. We know where we came from. And, perhaps most importantly, we know who we serve. Acrowood is about manufacturing the highest-quality machinery, engineered to answer the needs of the many industries centered around the woodyard. We are Acrowood. More than 100 years old and counting.



Farhang Javid, Founder, Acrowood



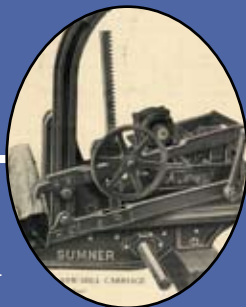
Forestry heyday is Acrowood's start

We've been here since 1892. First we were Sumner Iron Works in the heyday of the Pacific Northwest forest industry. Then Black Clawson, a New York-based company, bought Sumner in 1963. In 1984, Farhang Javid, Black Clawson's former Executive Vice President and General Manager, bought the Everett division. The company has evolved from chippers to screens, to complete supply in the woodyard. Expert engineering, superior service and attention to technical detail have been there from the beginning.

1892

Sumner Iron Works

The Sumner Brothers moved from Pennsylvania to Everett, Washington and started the company. It was boom-time for forestry in the Northwest.



1963

Black Clawson

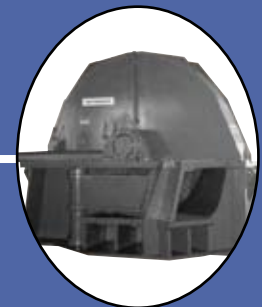
Black Clawson bought Sumner Iron Works, continuing innovations in chipping and screening technologies.

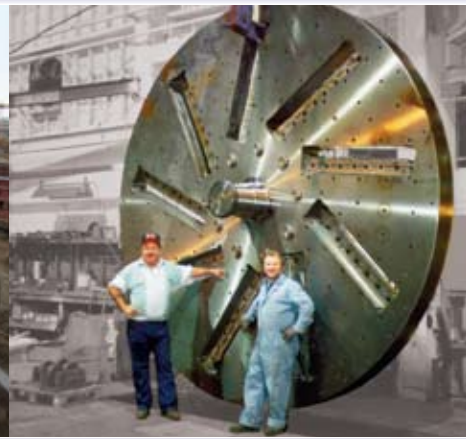


1984

Acrowood

Farhang Javid bought Black Clawson Everett division. He named it Acrowood, which introduced roll screening technologies to the industry.





Debarking

PocketRotary Debarker

- Small Footprint
- Low White Wood Loss
- Efficient Bark Removal



DEAL Processor™

- Low horsepower
- Biomass cleaning
- Effective size classification



Continuous Debarker

- No De-icing
- Multiple stem-length processing
- No stem end damage



Applications

- Full wood room systems
- Landfill recovery systems
- Co-generation systems
- Bio-energy plants
- Sawmill debarkers
- Municipal solid waste reduction
- Pulp and paper
- Sawmill prime stem delivery Residuals
- OSB/MDF/HDF/ LVL/ engineered wood products
- Fiber optimization applications

Chipping

Whole Log Chippers

- Replaceable pocket liners
- Optimized chipping orientation
- High chip quality



Slant Disc Chippers

- High-efficiency wastewood processing
- Low-cost round-wood chipping
- Simple installation



Veneer Chipper and Feedworks

- Industry standard
- High chip quality
- Excellent capacity



Applications

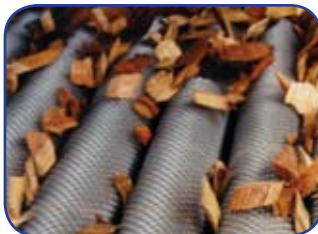
- Sawmills
- Bio-energy plants
- Plywood plants
- Chip plants
- Pulp and paper mills



Screening

DiamondRoll Thickness

- High efficiency
- No vibration
- Simple installation
- Accurate screen opening



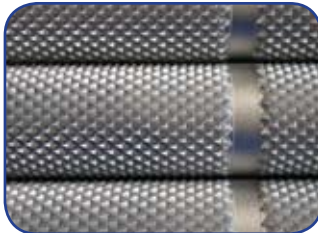
Raised Roll Disc Screen

- High capacity
- Robust design
- Trouble-free operation



DiamondRoll Fines

- High selectivity
- Adjustable performance
- Low maintenance
- Lube-free drive



Trillium Screen

- Green or dry strand screening
- Effective agitation
- Lube-free drive



Dual Drive Screens

- Easy maintenance access
- Full-deck utilization



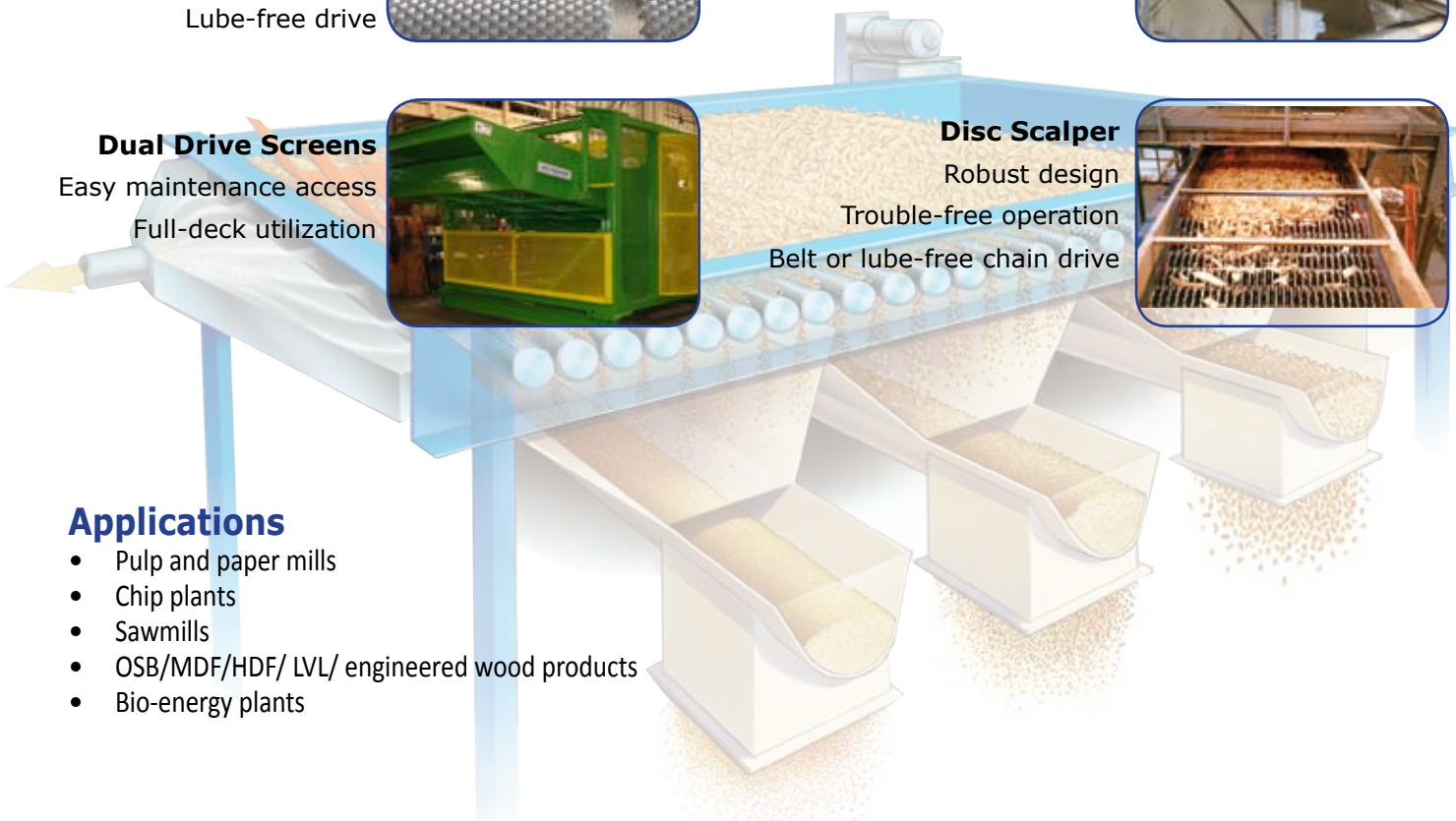
Disc Scalper

- Robust design
- Trouble-free operation
- Belt or lube-free chain drive



Applications

- Pulp and paper mills
- Chip plants
- Sawmills
- OSB/MDF/HDF/ LVL/ engineered wood products
- Bio-energy plants





Overs Processing

Chip Slicer

- Low pins/fines production
- High capacity
- Outstanding overthick control



Chip Cracker

- Minimal pins/fines production
- Low maintenance
- Robust design



Rechipper

- Bottom or overhead discharge
- Easy knife access



Chip Cleaning

Air Density Separator

- Efficient contaminant removal
- Long-wearing components



Distributors

Screw Distributor

- Heavy-duty construction
- Center-fed or side-fed configuration



Star Feeder

- Uniform distribution
- Efficient surge suppression



Applications

- Pulp and paper mills
- Plywood plants
- Bio-energy plants
- Chip plants
- OSB/MDF/HDF/ LVL/ engineered wood products



Leading experts in the woodyard

Simple changes in a mill, regular maintenance of machinery and an improved understanding of the science behind woodyard equipment can yield substantial improvements. Acrowood has become the expert in the woodyard, the one mill managers look to in order to improve their yields, the quality of their materials, and their profitability. Design engineers, service representatives, and technical experts are the people behind this capability.



Chip Thickness Screening Breakthroughs

Acrowood's Chip Thickness Screening Systems improve the overall efficiency of screening, reducing chip variation and improving pulp yield. Adding chip thickness screening in a Kraft process system can improve the overall yield 2% or more on an absolute basis. These profound and dramatic improvements represent millions of dollars of savings to the mill. Acrowood makes top-flight equipment, engineered for long-life and superior performance. We have the ability to run a customer's own chips through our development center to ensure the optimal system is supplied to meet their requirements.



Panel Board Screening Innovators

Acrowood equipment can also optimize panel board products. Acrowood is a leader in particle separation for the panel board industries. The DiamondRoll™ Screens, the Trillium Screen, and the reliable flake and rotary screens can all be configured to uniquely meet a mill's screening requirements, removing costly contaminants and improving board properties. The Acrowood Air Density Separator is a critical component of material cleaning.



Chipping Equipment Advances

Innovations in chipping have been part of Acrowood's 100-year history. Engineering changes in knife configurations and spout angles contribute to designs that offer improvements on the chippers built 20 years ago. The changes produce longer, thinner chips and much improved chip qualities preferred by chip buyers. In this era of penalties levied on the supplier of poor chips, and bonuses for good chips, it pays to be in the bonus end of the supply chain. It pays to use Acrowood chippers.

Advancing Technologies for the Woodyard



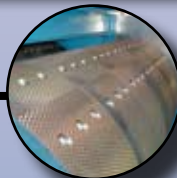
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Overs Processing



Chip Cleaning

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