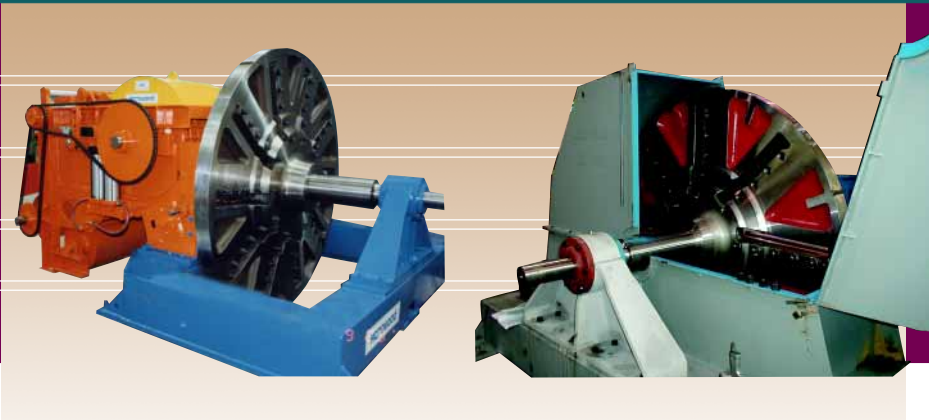




Veneer Chipper





Ideal knife, anvil arrangement: Long chips result of knife and speed

The Acrowood Veneer Chipper is specially designed to produce chips from waste veneer. The design of the chipper disc, arbor, and base produces an ideal arrangement so that the knife passes in the correct orientation relative to the anvil and anvil base. This chipper is not suitable for chipping cores or other forms of waste wood, as the knife and anvil arrangement is wrong for these other applications.

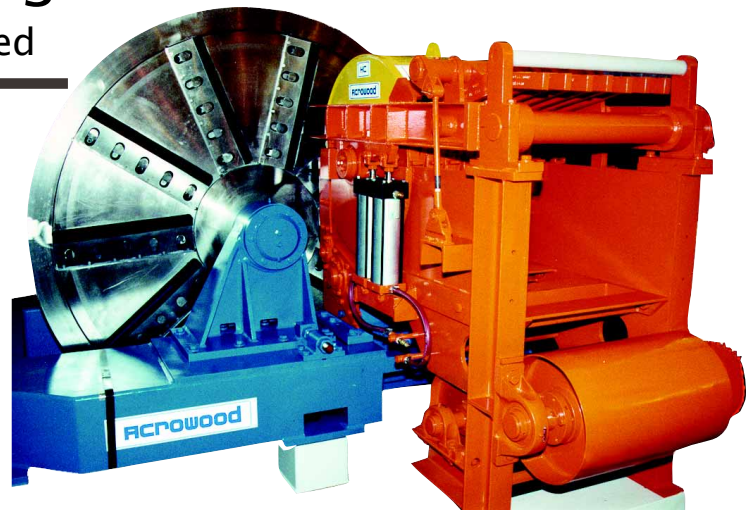
Produces long chips

The “Long” designation in the VCL name relates to the ability of the chipper to produce chips as long as 1-1/2” with the 6 knife disc, and 1-1/4” with the 8 knife disc. Chip length is set both by the knife projection above the disc (which is a

function of the thickness of the knife wedge), and by the feed speed determined by the feedworks. Longer chips produce fewer fines and pins, a critical concern when chips are being used for pulp production.

Cast steel, wear resistant parts

Casting the disc is a more expensive way to make this critical part, but allows the designers to place just the right amount of steel in across the back of the disc, ensuring the stiffest and strongest possible part. The cast steel disc is fully machined to accept all necessary hardware. The front of the chipper is



covered with wear plates and wear resistant parts, including the face mounted knives, special hardened and high strength bolts, and wear plates. The leading edge of the knife wedge is hard surfaced for long service life.

Fabricated pedestals designed specifically for this purpose support the front and rear bearings. They hold the disc securely during all aspects of chipping. The disc and casing can be either bottom or overhead discharge. Blowing components (piping, cyclone, elbows, etc.) are available as options.



Veneer Chipper with Feedworks

High Capacity (HC) Feedworks:

Feeding system eliminates problems

Loose veneer can create an awful mess at the chipper unless it is compressed and held down until the actual chips are formed. The Acrowood HC Feedworks incorporates years of veneer chipping experience and design improvements, and represents the best available technology in this important area. Surges and loose veneer stacked randomly on the conveyor that causes other systems problems is not a problem for the Acrowood HC Feedworks.

Belt speed, rotation speed critical

The feed belt conveyor threads through the base of the feedworks and forms an integral part of the feeding system. The speed of the belt and the rotation speed of the chipper disc are critical in forming the proper length chip. By providing the belt driving mechanism, the Feedworks insures that the belt speed is correct. The overhead compression roll is driven by the same motor, and is synchronized with the belt speed, so that there is no shearing or tearing of the veneer prior to chipping. The roll is hinged and can pivot

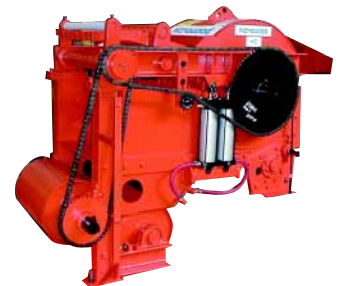
up when the veneer load is greater, while still providing the compression force needed to hold the veneer stable. Two cylinders with adjustable pressure provide additional compression force on this roll, and damp the movement for smooth operation.

'Fingers' secure, guide veneer

A set of aluminum "fingers" passes through the turning roll. These fingers serve both to guide the veneer into the compression roll correctly on the infeed side, but more importantly, they hold the veneer down securely right up to the point of chipping. The veneer sheets are not allowed to jump or twist during the cutting process, so that every chip is as perfect as it could be. The special shape of the fingers holds the veneer, and the aluminum construction prevents damage to the chipper.

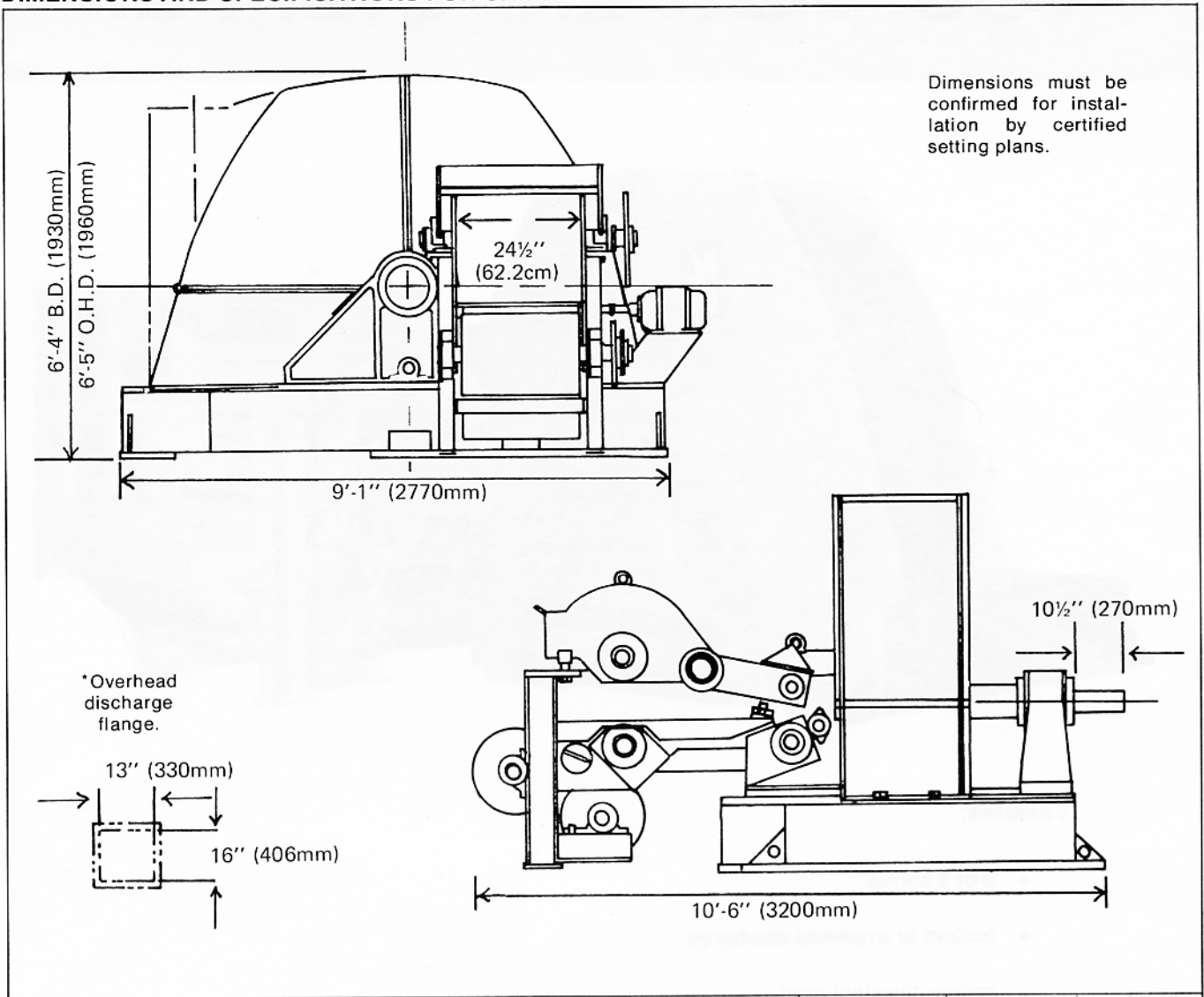
We can retrofit older chippers

The HC Feedworks can be retrofit on an older chipper. Please contact Acrowood for a free evaluation of your chipper's operation.



Specifications

DIMENSIONS AND SPECIFICATIONS FOR CHIPPER



NO. OF KNIVES	SPOUT SIZE	INFEED BELT SPEED (FPM)			CAPACITY UNITS/HOUR	DRIVE MOTOR H.P.	MAX. DISC R.P.M.
		3/4" CHIPS	1" CHIPS	1 1/2" CHIPS			
6	7" x 24 1/2"	189	252	378	25	150-200	514
8	7" x 24 1/2"	249	331	Not Available	25	150-200	514

Feedworks: Drive – 10 H.P., Motoreducer; Speedroll – 3 H.P., 900 R.P.M. motor.