

Overview

Applications

The Spout Over Shaft (SOS) Chipper is designed to produce high quality chips from whole logs. More than 180 of these unique chippers have been supplied to pulp wood rooms and stand-alone chip plants around the world.

Features

- ▶ One man front face knife change
- ▶ Heavy-duty, thick steel disc
- ▶ Hydraulic powered spout opening
- ▶ Unique geometry forces log into lower corner of spout

Benefits

- ▶ Minimize maintenance requirements
- ▶ High inertia and rugged disc provides longevity
- ▶ Ample room for disc maintenance activities
- ▶ Increased log stability yields high quality chips



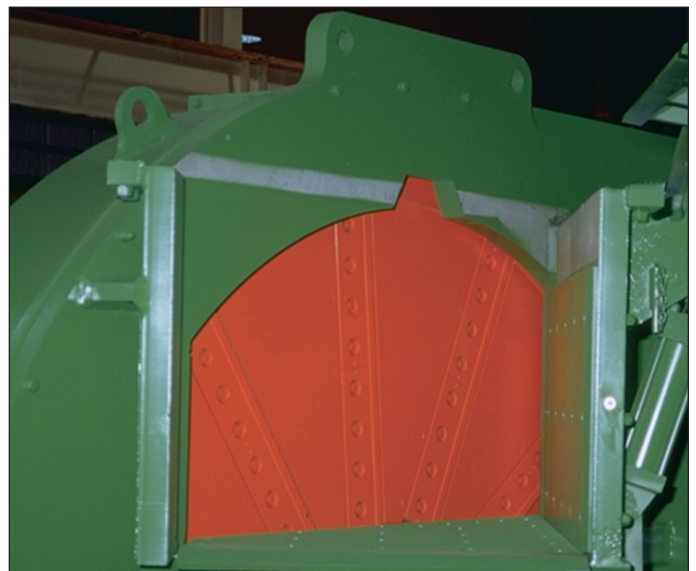
96" SOS Chipper Disc

Reliability

At Kadant Carmanah, we manufacture products to provide years of trouble-free operation. It is not uncommon for our inside sales group to receive parts requests for chippers manufactured in the 1960's and 1970's - and of course, those parts are still available.

Design

The position of the infeed spout offers unique geometry that produces high quality chips in whole log applications. The cutting action pushes the log into the lower corner of the spout providing excellent stability. Further, the position of the log being cut is closer to the inside diameter of the disc than it would be on a conventional spout under shaft chipper and thereby is subject to lower knife velocity. The increased log stability and reduced knife velocity both result in improved chip quality.



Hydraulic Spout Opening

SOS CHIPPER



Back View of 117" SOS Chipper *clw* Energy Dissipater

Available Options:

- ▶ Drive Components
- ▶ Disc Brake
- ▶ Zero Speed Indicator
- ▶ Choice of Disposable or Conventional Knife Systems
- ▶ Energy Dissipater
- ▶ Back, Bottom or Top Discharge

Disc Diameter IN (mm)	Disc Thickness IN (mm)	Disc RPM	Max Round Diameter IN (mm)	Rotating Inertia lbs-ft ² (kg-m ²)*	Weights lbs.(kg)*
96" (2438)	6.25" (158)	400	27.5" (698)	110,000 (4635)	34,000 (15,400)
117" (2971)	8.5" (216)	330	33" (838)	331,000 (13,950)	61,500 (27,900)

* Inertia & weight calculated for back/bottom discharge only. Consult Kadant Carmanah Design for top discharge information

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