

Debarkers

Primary Breakdown

Secondary Breakdown

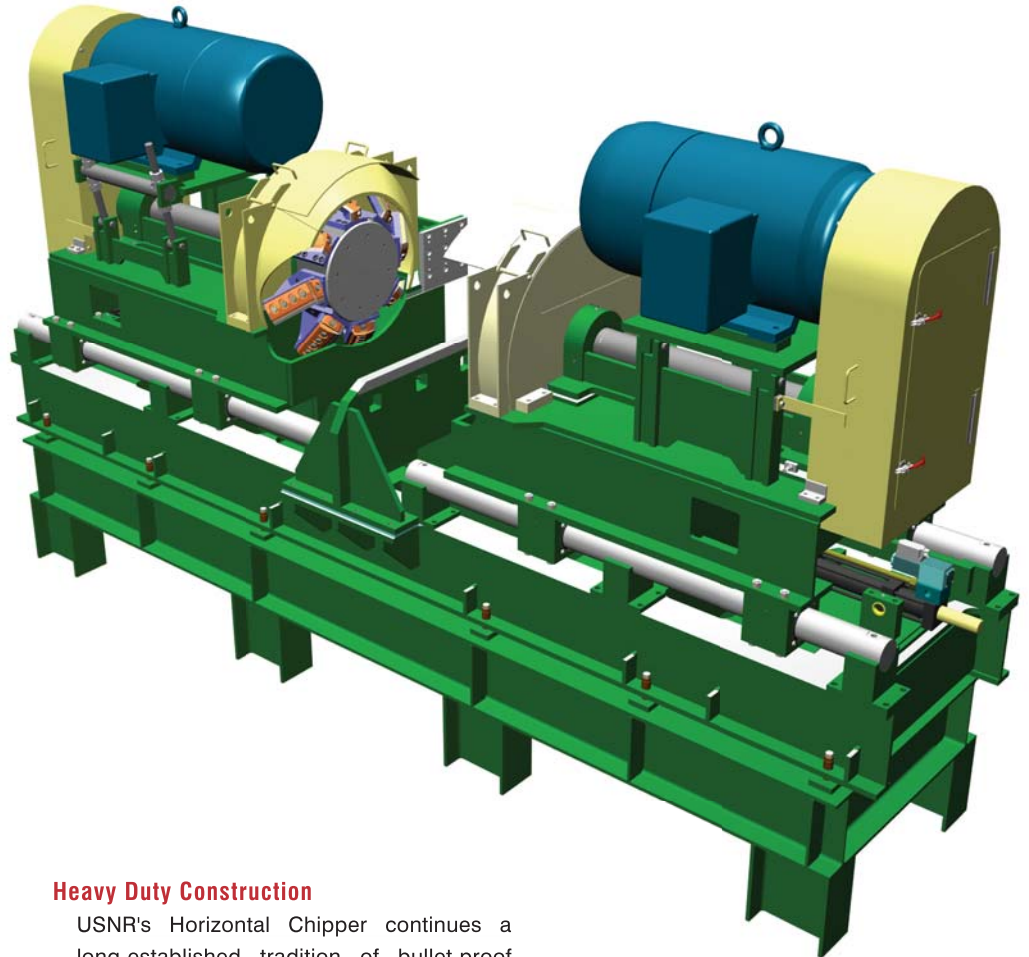
Lumber Handling

Planing Systems

Residual Processing

HORIZONTAL CHIPPER

Horizontal Chipper System



Heavy Duty Construction

USNR's Horizontal Chipper continues a long-established tradition of bullet-proof construction that stands up to the most demanding operating cycles. This machine will stand up to the abuses of volume production for many years to come!

Excellent Value

Low maintenance costs, durable construction, high-quality wood chips, low profile footprint: it all adds up to value! With USNR's Horizontal Chipper you keep getting value year after year!

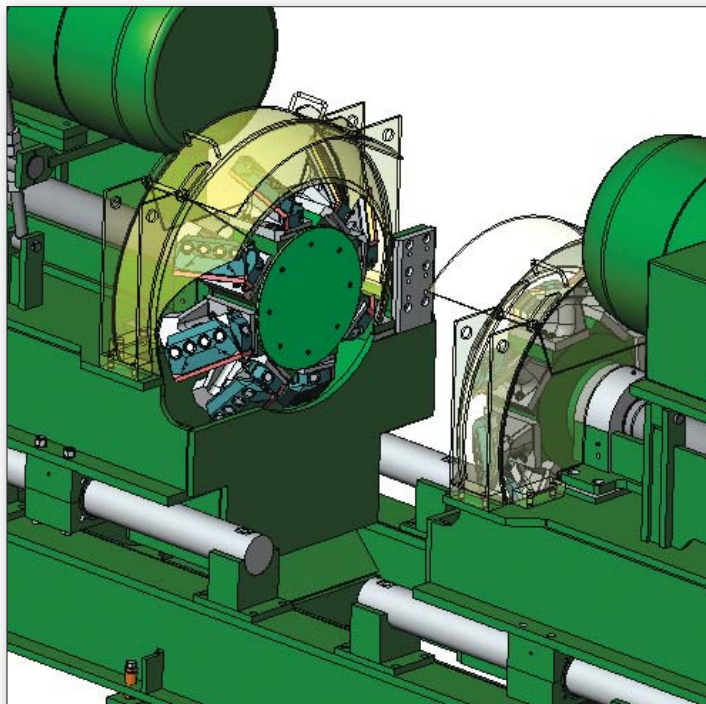
Perfect for Small Log Applications

The Horizontal Chipper is a workhorse designed for high-production mills. Conical chip heads operate in the vertical plane which reduces side chipping forces, resulting in smoother feeding, better quality chips and longer-lasting knives.

Horizontal Chipper System

Design Features & Benefits

- ▶ Capable of 6" depth of cut
- ▶ Chipper modules slide on round-ways for smooth, accurate positioning using fast-acting linear positioners
- ▶ Chipper base slides open for easy knife changes and improved maintenance access
- ▶ Compact design allows for close-coupling with an upstream double length infeed and downstream bandmills or circle saws for an integrated primary breakdown system
- ▶ USNR's True Flow chipper knife system is standard, and the system easily accepts either babbitted or dual-edge babbittless replacement chipper knives
- ▶ Knife impact helps pull the log through the chipper module (rather than resisting log flow), improving finish quality while minimizing knot tear-out and grain roll
- ▶ Pre-cut saw available for sawn finish
- ▶ Heavy-duty welded steel frame provides solid structure, reducing vibration and improving surface quality



Chipper modules slide on round-ways for easy knife changes and maintenance

HORIZONTAL CHIPPER

The Horizontal Chipper produces uniform chips at speeds of 650+ ft/min

By utilizing conical chip heads, the chipper knives make initial contact with the log in the vertical plane and maintain impact along the vertical axis. This yields several very important advantages:

- ▶ Alleviates side chipping forces and results in smoother and faster log feeding
- ▶ Produces a more uniform chip face, free of scalloped edges that result in pins and fines
- ▶ The chipping action works with the log motion, rather than against it, resulting in superior surface finish
- ▶ USNR's Horizontal Chipper utilizes variable frequency drives (VFD's) to produce consistent chips at high speeds, maximizing your throughput.



The system uses conical chip heads and VFD's to produce uniform chips at high speeds

Millwide. Worldwide.

USNR