

# High Recovery Semi-Solid **XL** System



Key Knife developed the High Recovery Semi-Solid XL System for progressive mills that want to maximize the value of their wood products and improve the operating efficiencies tied directly to the process. The innovative HR Semi-Solid XL System delivers unmatched gains in recovery, surface finish, chip quality, and operating efficiencies. Make an immediate impact on your mill's bottom line and upgrade to a Key Knife HR Semi-Solid XL System today!



## **Improved Recovery and Surface Finish**

The HR Semi-Solid XL System significantly reduces surging and improves log stability. The Ridge Knife XL System uses 5 point knife clamping to minimize knife movement, keeping the knife edge firmly in place. By minimizing knife movement the Ridge Knife XL System significantly reduces fiber pull and knot tear, leaving a surface finish second to none. A reduction in fiber pull enables you to decrease your green target, increasing recovery. The innovative Push-Pull feature gives you the flexibility to adjust the placement of each knife edge to meet your exact specification.



## **Improved Chip Quality**

The HR Semi-Solid XL System's innovative clamping design ensures the knife-edge stays firmly in place for a clean and precise cut. A special ridge located on the bottom of the Ridge Knife XL starts the formation of a uniform chip and provides it a smooth transition to the counterknife. The smooth transition minimizes the break up of chips into pins and fines, increasing the production of quality chips.

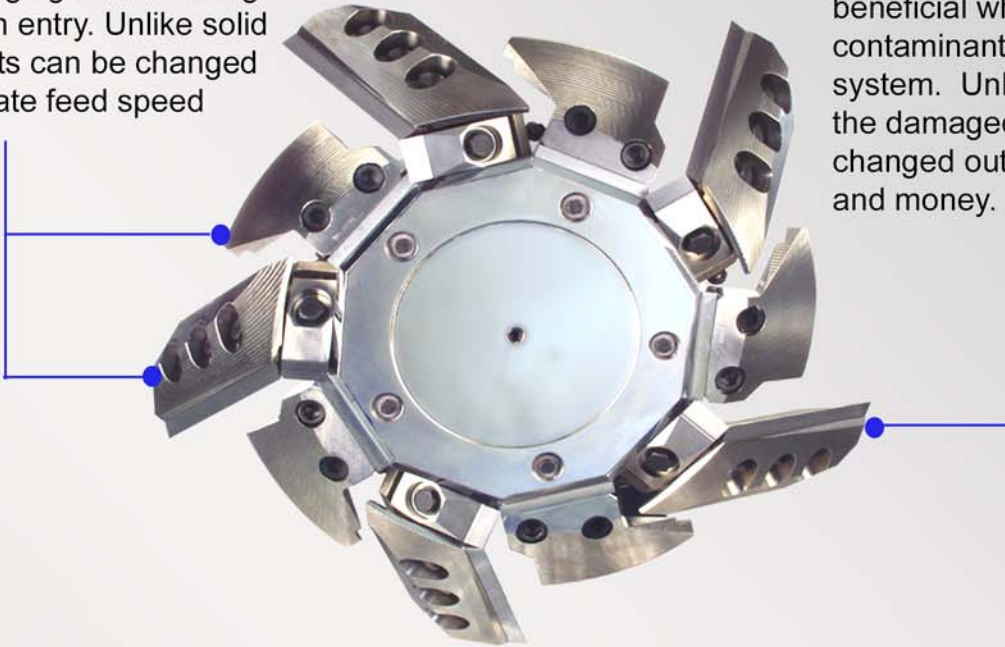


## **Increased Operating Efficiency and Safety**

The Ridge Knife XL (Extended Life) is the longest lasting indexible knife available. The Ridge Knife XL gives you the flexibility to run longer and produce more quality lumber between knife changes. The unique design of the Ridge Knife XL makes changing knives a quick and safe process. Simply loosen the clamp bolt, seat the Ridge Knife XL on the counterknife, and tighten the clamp bolt. In addition to quick and safe knife changes, the hazardous task of grinding and babbitting is no longer needed.

## Limiters Clamps/Secondary Limiters

Provides superior log control, minimizing surging and reducing step cutting on entry. Unlike solid heads the parts can be changed to accommodate feed speed modifications.

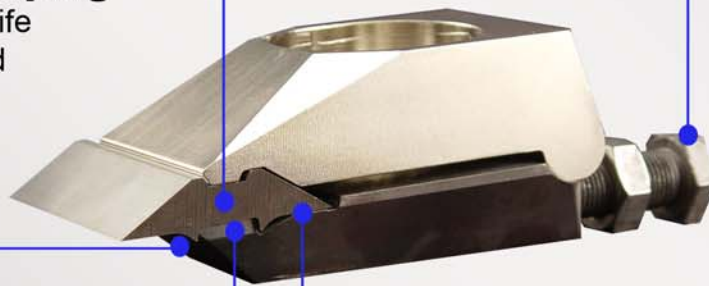


## Modular Design

Allows for easy removal of wear parts. Especially beneficial when metal contaminants enter the system. Unlike solid heads the damaged parts can be changed out, saving both time and money.

## 5 Point Knife Clamping

Significantly improves knife stability, for a precise and repeatable cutting path.



## Push-Pull

Allows user to adjust knife settings for exact edge placement.

## Knife Ridge

Provides smooth chip transition from knife tip to counterknife, greatly improving chip quality.

## Full Surface Contact

Increases knife stability, improving finish, chip quality, and knife life.

**All the benefits of a solid head, but without the limitations!**



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