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KEY50

RING SLICER



The KEY 50 Ring Slicer has revolutionized the production of quality flakes for the manufacturing of particleboard. Key Knife's advancements in indexible knife technology and knife-ring design maximize fiber utilization, flake quality, and operating efficiencies. The use of high-grade materials and an innovative design makes the KEY 50 Ring Slicer the most reliable, and economical to run, knife-ring available.

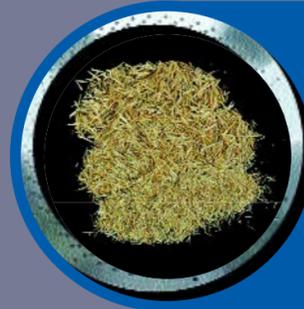


INDEXIBLE KNIFE TECHNOLOGY



Indexible knife technology is the solution for particleboard mills that are looking for a way to improve flake quality and cut costs associated to the process. Conventional flat knives require a great amount of time and money to maintain. The KEY 50 Ring Slicer's Ridge Knife is indexible, eliminating the need for grinding and all costs associated to the task. The 2 razor-sharp edges of the Ridge Knife last longer than the edge found on today's conventional flat knives, allowing you to run longer and produce more quality flakes. The innovative ridge design protects the clamp from wear and seals the

IMPROVED FLAKE QUALITY



The KEY 50 Ring Slicer utilizes 3-bolt spring clamping, ridge technology, and a specially designed wear shoe to keep the knife firmly in place. The special ridge design helps to formulate the flake and provide a smooth path for it to travel, minimizing pins and fines. The adjustable knife-setting feature gives the user the ability to adjust knife extension to meet flake quality requirements. To improve the flow of flakes and decrease the breaking of quality flakes, base assembly clearance is larger, and clamp handles are not used.

QUICK AND EASY KNIFE CHANGES



The KEY 50 Ring Slicer's base assembly utilizes features that significantly decrease the time it takes to change knives. This is accomplished through a 3-bolt spring clamping feature that releases and clamps the knife by simply adjusting 3 bolts. The Ridge Knife is much smaller than a conventional flat knife, making it both easier and safer to handle. When installing the Ridge Knife a key way located on the bottom of the knife locates on the clamp for quick and easy installation.

REDUCED POWER



The advanced design of the KEY 50 Ring Slicer maximizes chip flow and reduces drag on the knife-ring to minimize power consumption. Due to the Ridge Knife's resistance to wear the edge stays sharp and efficient longer, decreasing the amount of power needed during operation. Wear shoe transition from knife tip is short and smooth, reducing the problematic balling of chips around the anvil, for a smooth and efficient knife-ring rotation. Base assembly clearance in chip flow area has less restriction allowing an unobstructed flow of flakes out of the ring.

RING ASSEMBLY



50 knife configuration increases production capacity.

Precise fit for conventional knife-ring flakers.

HOLDER ASSEMBLY

Adjustable knife settings for fine micrometer knife adjustments that can be made in the ring assembly.



4-bolt ring attachment allows for quick and easy base assembly removal.

Dovetail locking assembly increases strength of system, decreasing the chance of parts releasing during operation.

3-bolt spring clamping for quick and easy knife releasing and clamping. The innovative design allows for knife changes to be made in the ring assembly.

CLAMP



CNC machined from structural steel for exceptional wear resistance and durability. A special surface coating is applied to protect from corrosion. It firmly clamps the Ridge Knife against the wear shoe for precise edge placement, and to minimize packing. The unique spring clamping design allows for quick and simple knife changes.

RIDGE KNIFE



Manufactured from modified tool steel and heat treated for superior knife life. The knife is indexible, eliminating the need for grinding. An innovative ridge design improves the formulation of quality flakes, and protects the clamp from wear. The size of the Ridge Knife makes it safer to handle and easier to dispose of.

BASE



CNC machined from structural steel for exceptional wear resistance and strength. The base holds the clamp, wear shoe, and both the inner and outer rings in place. The innovative design allows for quick and easy replacement of entire base assemblies, and access to fasteners when attached to the ring assembly.

WEAR SHOE



CNC machined from modified tool steel. It is heat-treated and tempered for strength and wear resistance. The heavy-duty design and increased thread depth provides greater clamping and knife stability to eliminate packing of material. A dovetail design feature locks the wear shoe in place against the base to improve the strength of the system and to virtually eliminate the chance of base separation during operation.

INNER AND OUTER RINGS



CNC machined from mild steel. Both the inside and outside ring support the base assemblies into a concentric circle of knives, and provides the rotation. The outside ring has adjustable locating blocks for quick and easy knife-ring changes.

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