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Key Knife identified the need for a new planer head that would help planer mills increase production, lower production costs, improve finish, and enhance employee safety. Key Knife used their extensive knowledge of indexible knife technology to create the revolutionary Key Planer Head.

The innovative design of the planer head and the use of a smaller disposable knife allows for more knives in a cutting diameter. The result is a planer head that will significantly improve your surface finish, production volume, operating efficiencies, and safety.



KEY PLANER HEAD



INCREASED PRODUCTION

The Key Planer Head utilizes more knives in a cutting diameter than any other head available. This important feature alone significantly increases the number of cuts per inch made. This benefits your operation by giving you the flexibility to increase the production rate without sacrificing finish. Also, by increasing the production rate you will produce more quality lumber for less money. Additional gains in production are achieved through longer knife life and faster knife changes. By minimizing planer downtime due to knife changes you will increase your production volume.



SUPERIOR SURFACE FINISH

The Key Planer Head improves the value of your lumber by producing a finish second to none. By increasing the number of knives in the Key Planer Head's cutting diameter (in some cases by as much as 100%) we can significantly increase the number of cuts per inch made. You now have the flexibility to either increase both production and surface finish, or simply maintain your feed speed and dramatically improve surface finish.



INCREASED OPERATING EFFICIENCY AND SAFETY

Each Key Planer part was value engineered to ensure the system is easy to maintain and safe to operate. For example, the Ridge Strip Planer Knife is precision ground from modified tool steel. The result is a dual edged knife that eliminates the need for grinding, lasts 2-3 times longer than a conventional knife, and does not need to be kept in matched sets. Also, the smaller knife is easier to handle and has two small ridges that locate on grooves in each pocket for quick and safe knife changes.

ADVANCED GULLET SHAPE


- Allows for shavings to exit quickly
- Eliminates chip marks



DISPOSABLE KNIFE


- Two edges last 2-3 times longer than conventional knives. Eliminates the need for grinding and weighing/matching knife sets.

TAPER LOCKING GIB SCREW



The gib screw provides the clamping force and wedging effect to hold the knife in position. The gib screw is ideally positioned perpendicular to the center of the shaft to ensure proper placement of the knife, and eliminate the need to torque the gib screws in a pattern. 2 gib screw styles are available-socket head and hex head.

RIDGE STRIP PLANER KNIFE



Made from modified tool steel for exceptional knife life. Two precision ground edges last 2 to 3 times longer than conventional knives. The knife is indexible and disposable eliminating the need for grinding and weighing/matching knife sets. Two ridges on the bottom of the knife locate on the gib for exact knife placement, eliminating the need for "rolling in the knives".


TAPER LOCKING GIB SCREW

- Easily accessible for safe unlocking.

INNOVATIVE HEAD DESIGN

- Allows for up to 100% more knives in the same cutting diameter as a conventional planer head.

GIB



Manufactured out of chipper steel for strength, durability, and wear resistance. The gib is manufactured to tight dimensional weight tolerances, eliminating the need to weigh/match gib sets. The smooth and open gullet design reduces wear on the gib, and allows for planer shavings to efficiently exit the system.


INTERCHANGEABLE KNIFE DISCS

- Mills processing both green and dry lumber can use the same head. To set up for a new target size simply change out the disks.

CHANNELED KNIFE PLACEMENT

- Knife edges are not exposed to the outside of the Key Planer Side Head, making it the safest side head in the industry to handle.

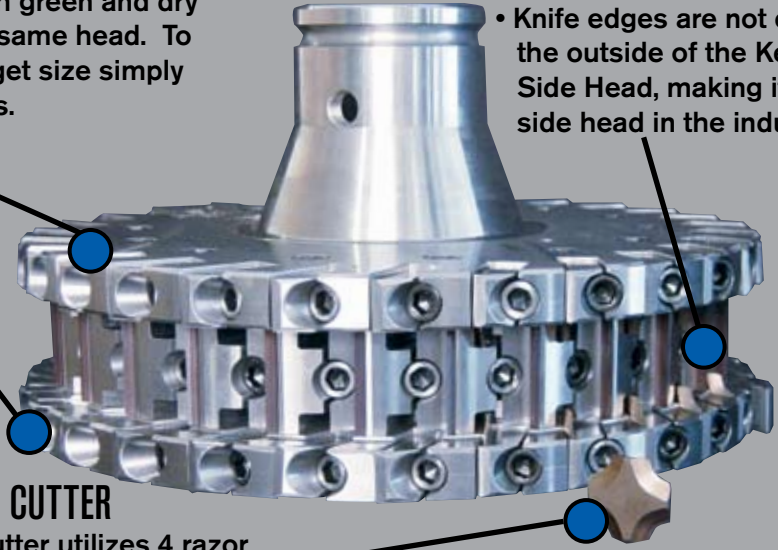
HUB and SHAFT



Precision machined from high grade alloy steel and balanced to ISO G1.0 spec to minimize vibration. The innovative design allows for up to 100% more knives in the same cutting diameter as a conventional planer head. The Key Planer Head is available for both integral and hydrolock arbor clamping systems.

FOUR SIDED RADIUS CUTTER

- Innovative radius cutter utilizes 4 razor sharp edges for maximum part life.



KEY PLANER HEAD