

NEWMAN

QUALITY WOODWORKING MACHINERY
SINCE 1906

Helical Carbide Cutterhead



- Noise Reduction
- Lower Operating Costs
- Higher Performance
- Wide Application

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Helical Carbide Cutterheads

The Helical carbide cutterhead provides improvements over conventional cutterheads in noise, cost, and performance. The Helical Carbide cutterhead has become the industry standard. Replaceable carbide tipped cutters fit precisely into the helical slot to form a continuous helical cutting edge providing the most technologically advanced cutting action available.

Helical carbide cutterheads are being used extensively in the woodworking and plastics industries throughout the world. Applications include finish planers, roughing planers, and also high speed planer matchers. In addition to being available on all new Newman planers (and on other selected manufacturers' new machines), retrofit Helical carbide cutterheads are available for Newman, Whitney, Buss, Greenlee, Porter, Yates, Kupfermuhle, Rex, Powermatic and Stetson-Ross, as well as many others. Contact your Newman dealer or Newman directly for more information.

NOISE REDUCTION

Due to the helical geometry, the cutterhead knives are continuously engaged with the workpiece. This dramatically reduces the workpiece vibration and the noise normally associated with planing. The helical design also reduces aerodynamic noise (idling noise) by eliminating air compression. Noise reductions are typically 15-20 dBA as compared to conventional straight knife planing, meeting OSHA requirements in most cases.

LOWER OPERATING COSTS

Noise reduction is not the only benefit of the helical design. When considering initial cost, knife replacement cost, maintenance cost, and downtime cost, the helical carbide cutterhead has been proven to be considerably more economical to operate than conventional high speed steel cutterheads.

HIGHER PERFORMANCE

The use of carbide as opposed to high speed steel combined with the helical cutting action provides unsurpassed performance: long edge life (many times that of high speed steel), ability to surface difficult materials (cross grain cutting, particleboards, etc.), easy replacement of inserts, and in-machine grinding and jointing. Consequently, the long intervals between cutterhead maintenance result in substantially less downtime and therefore less total maintenance time.

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