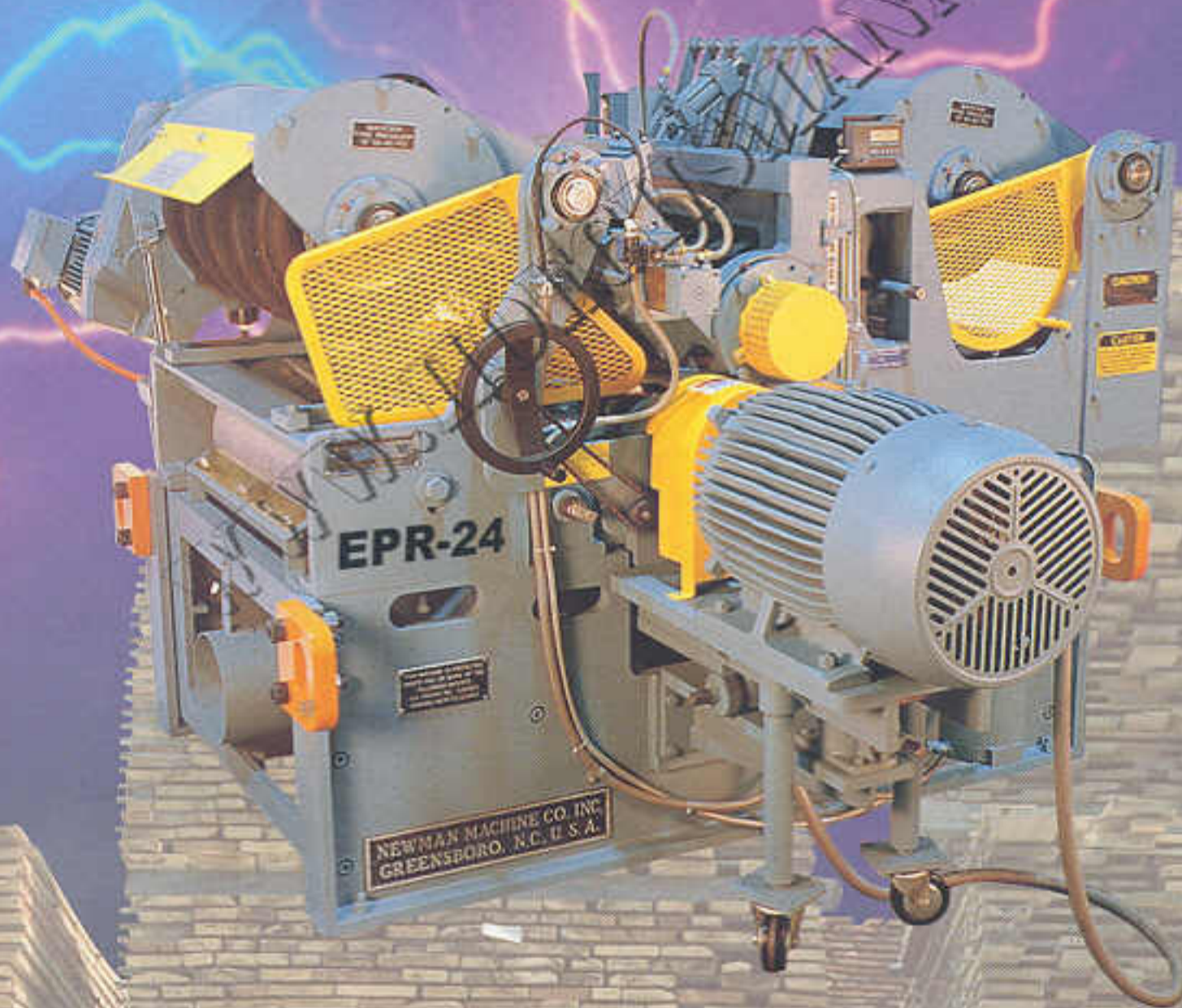


NEWMAN WHITNEY

EPR Series Electric Feed Double Roughing Planers

- Automatic Cut Control™
- Pneumatic Feed Rolls
- Variable Feed Speeds Up To 400 FPM



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"EPR" Series Electric Feed Double Roughing Planers

The Newman "EPR" Electric Series Double Roughing Planers provide state-of-the-art technology backed by the world's most experienced planer manufacturer.

Newman's new "EPR" Series Planers feature electric feed drive - no hydraulics.

The benefits of the new, environmentally friendly "EPR" Series Planers include precision synchronization of all feed rolls, extended tire life, superior feeding, new digital thickness indicator, and reduced maintenance.

The "EPR" Series Double Roughing Planers are designed specifically for surfacing rough lumber in board lengths. Planing in long lengths allows cut-off saw operators to see defects more easily and make better decisions, resulting in increased yield. The minimization of snipe and other machining defects also contributes to increased yield. Planing in long lengths provides maximum productivity at high feed speeds.

QUIETCUT™ Helical Carbide Cutterheads provide long knife life and low maintenance at reduced noise levels.

Our exclusive "Automatic Cut Control™" (A.C.C.) is the answer to "scant" lumber planing as it offsets the bottom cut. Combining these features on any "EPR" Series Planer guarantees maximum yield at the absolute minimum operating costs.



QUIETCUT™ Cutterheads (Optional)

This patented cutterhead has continuous edge spiral carbide knives which provide superior noise reduction of 15 to 25 dBA. The spiral design provides exceptional finish and virtually eliminates tearout, grain damage, and knot loosening. The carbide insert requires substantially less maintenance and provides much greater knife life than high speed steel. Longer knife life and less maintenance reduce planing costs significantly.

Pneumatic Feed Rolls

The top rolls are pneumatic tires mounted on steel arbors. They accommodate simultaneous feeding of stock with thickness variations of over 1/2" and provide anti-kick-back protection. The conforming nature of these rolls eliminates roller split of cupped lumber while providing unexcelled feeding capability and eliminating the high maintenance required on spring loaded sectional rolls.

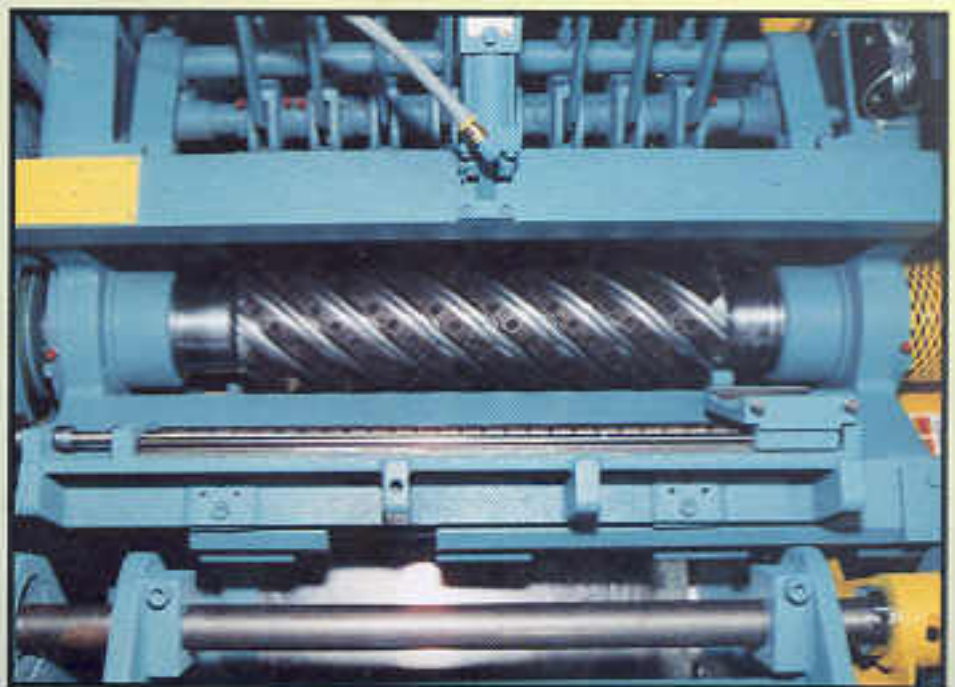
Cutterhead Assemblies

Standard cutterheads are six-knife, high speed steel, and precision balanced. Newman six-knife or eight-knife QUIETCUT™ Helical Carbide Cutterheads are available. The top and bottom cutterheads have deep groove precision ball bearings and are mounted in one-piece yokes to insure precise alignment and rigid support for maximum performance.

Locks are provided for both cutterheads to maintain their settings for close tolerance planing.

Hand scraped precision jointer bars are factory fitted to both cutterhead assemblies.

The bottom head yoke slides out from the left hand side of the planer by rack and pinion drive for ease of knife maintenance.



Top Pressure Bar

The steel fabricated pressure bar is mounted to the top head yoke and is provided with a chrome plated replaceable wear plate. A manual quick release and reset aids in rapid clearing of jams. An optional air operated pressure bar release is available to facilitate even faster clearing of jams.

Standard Operators Console

A conveniently designed remote operators console is standard. The console provides the user with finger tip control of critical machine functions and safety operations at the feeder position.



Automatic Cut Control™ (Optional)

The Automatic Cut Control™ is a sectional, mechanical device designed and developed by Newman Whitney to offset the fixed bottom head cut found on conventional knife planers and to provide more equal cut distribution between the top and bottom cutterheads. Varying bottom head cut provides more equal distribution of hit-and-miss surfaces on both sides of the lumber which results in increased yield and lumber grade improvement. Yield increases of 5 to 20 percent can be obtained with the A.C.C. and other exclusive features of the "EPR" Series Planers.

Digital Thickness Indicator

The accurate Proscale™ digital scale is a standard feature. The digital readout provides quick and easy setup of finished lumber thickness. The readout mode can easily be changed between inch (fraction and decimal equivalent) and metric. Recalibration is simple and easy after grinding or jointing.



Top Head Chipbreaker

The chipbreaker is mounted on the top head yoke and consists of 3" wide, independent, yielding, spring loaded sections. Each shoe has a hardened tool steel replaceable wear toe plate and independent adjustment for wear. Pushbutton control pneumatic raising of chipbreaker is provided.



Electric Drive Feed System

The AC variable frequency drive uses two shaft mounted gearboxes. When coupled with the industry standard pneumatic feed rolls the result is superior feeding, precise feed speed synchronization, reduced maintenance, and lower overall noise levels.

The Newman "EPR" Series Electric Drive Double Roughing Planers are a high tech, environmentally friendly compliment to the Newman product line.



Anti-lap Device (Optional)

This unique patented device offers automatic, foolproof protection against oversize stock and underlapped or overlapped boards entering the planer, which increases productivity. A handwheel control sets thickness limits and makes possible automatic feeding by conveyor or feed table.

EPR-18 and 24

Electric Feed Double Roughing Planers

EPR-18

18" (450mm) Width

· **Capacities:**

Maximum Feed Opening: 18" x 6" (450mm x 150mm)

Minimum Stock Thickness: 3/8" (9mm)

Minimum Stock Length: 48" (1.3m)

· **Feed Speeds:**

Minimum Feed Speed: 40 fpm (12mpm)

Maximum Feed Speed: 150 fpm (46mpm)

· **Cutterheads:**

Standard:

6 knife, high speed steel 7" cutting circle or 8 knife pocket type H.S.S.

Optional:

QUIETCUT™ Helical Carbide Cutterhead

6 or 8 knife 7" cutting circle.

· **Cutterhead Motors:**

Top: 40 hp, 3600 rpm @ 60 Hz (30kw, 3000 rpm@50hz)

TEFC premium efficiency direct coupled motor.

Bottom: 25 hp, 3600 rpm @ 60 Hz (20kw, 3000 rpm@50hz)

TEFC premium efficiency direct coupled motor.

· **Feed System:**

Top: Two 16" (400mm) pneumatic rolls with 1-1/2" (40mm) yield.

Bottom: Four 4" (100mm) steel infeed rolls, one 12" (300mm) steel outfeed roll.

Top rolls are powered by two 10 hp (7.5kw) helical gear motors with AC variable frequency drive.

· **Top Head Chipbreaker:**

Independently yielding 3" (75mm) wide sections.

1-1/2" (40mm) yield per section.

Air operated chipbreaker release is standard.

· **Optional Equipment:**

* Automatic Cut Control™

* QUIETCUT™ Helical Carbide Cutterheads

* Remote feeder console

* Anti-lap device

* Top head power hoist

* Air operated pressure bar release

* Flat profile tires for narrow strips

* AC frequency controllers for conveyor additions

* 10 knife QUIETCUT™ Helical Carbide Cutterheads

* High speed option available

EPR-24

24" (600mm) Width

· **Capacities:**

Maximum Feed Opening: 24" x 6" (600mm x 150mm)

Minimum Stock Thickness: 3/8" (9mm)

Minimum Stock Length: 48" (1.3m)

· **Feed Speeds:**

Minimum Feed Speed: 80 fpm (24mpm)

Maximum Feed Speed: 350 fpm (107mpm)

· **Cutterheads:**

Standard:

6 knife, high speed steel 7" cutting circle or 8 knife pocket type H.S.S.

Optional:

QUIETCUT™ Helical Carbide Cutterhead

8 knife 7" cutting circle.

· **Cutterhead Motors:**

Top: 60 hp, 3600 rpm @ 60 Hz (45kw, 3000 rpm@50hz)

TEFC premium efficiency direct coupled motor.

Bottom: 50 hp, 3600 rpm @ 60 Hz (38kw, 3000 rpm@50hz)

TEFC premium efficiency direct coupled motor.

· **Feed System:**

Top: Two 16" (400mm) pneumatic rolls with 1-1/2" (40mm) yield.

Bottom: Four 4" (100mm) steel infeed rolls, one 12" (300mm) steel outfeed roll.

Top rolls are powered by two 15 hp (11.2kw) helical gear motors with AC variable frequency drive.

· **Top Head Chipbreaker:**

Independently yielding 3" (75mm) wide sections.

1-1/2" (40mm) yield per section.

Air operated chipbreaker release is standard.

· **Optional Equipment:**

* Automatic Cut Control™

* QUIETCUT™ Helical Carbide Cutterheads

* Remote feeder console

* Anti-lap device

* Top head power hoist

* Air operated pressure bar release

* Flat profile tires for narrow strips

* AC frequency controllers for conveyor additions

* 10 knife QUIETCUT™ Helical Carbide Cutterheads

* High speed option 80-400 fpm

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