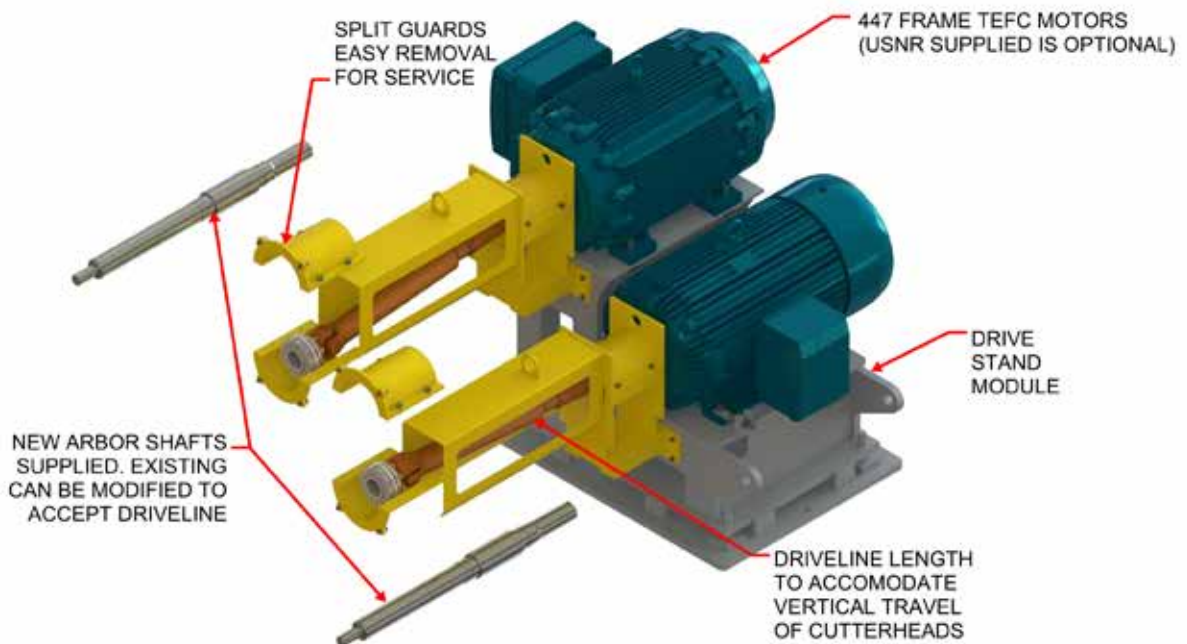


Removable Cutterhead Driveline Motor Upgrade

Plane more lumber per hour with this upgrade replacing custom-built motors on planers with off-the-shelf TEFC motors that improve operating efficiency and reduce downtime. Applies to top and bottom cutterheads.

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More throughput and efficiency with bigger, off-the-shelf motors

This economical upgrade replaces custom ODP/TEFC motors on the top and bottom cutterheads of Coastal-brand planers with NEMA premium efficient TEFC motors, which boosts planer output and solves the growing issue of ODP motor obsolescence. **This upgrade applies to other planer brands, depending on the application.**

Faster and more efficient

The Removable-Head Top and Bottom Cutterhead Driveline Motor upgrade replaces obsolete custom ODP/TEFC motors on your Coastal (or other brand) planer with the latest NEMA-rated premium efficient TEFC motors that improve your operating efficiency, reducing maintenance and downtime.

The upgrade includes a professional review of your machine design and application, which provides an opportunity to reevaluate your production needs and specify a new motor configuration that better matches.

Horsepower requirements for each cutterhead can be balanced to provide the most flexibility in your planing process while at the same time reducing the number of spares required for backup.

Benefits

- Planes more lumber per hour with same machine
- Allows the use of off-the-shelf TEFC motors
- Eliminates need for a special spindle, rotor assembly
- Faster and easier motor change-out
- Provides more efficient planer operation
- TEFC, Totally Enclosed Fan Cooled motors remain clean and free of debris on internal motor parts
- Off-the-shelf motors are easier and faster to source
- Fewer spares to stock

Removable-Head Top and Bottom Cutterhead Driveline Motor Upgrade

Upgrade details

The Removable-Head Top and Bottom Cutterhead Driveline Motor upgrade replaces existing top and bottom cutterhead motors with TEFC motors, connected to the cutterheads by drivelines.

Balanced, heavy-duty drivelines connect the top and bottom cutterhead arbors to the motors. The driveline system is engineered to accept the full range of vertical travel for top and bottom heads.

The driveline separates the cutterhead spindle and rotor assembly from the motor which allows for the use of off-the-shelf TEFC motors. Motors are mounted on an adjustable frame allowing output shafts to be aligned to the cutterhead spindles.

The upgrade includes guarding that encases the drivelines and universal joints with heavy-duty capture brackets to protect mill workers and the surrounding equipment in the event of a driveline failure.

The drive stand module is a heavy-duty fabricated steel structure that is designed to accept one top head electric motor and one bottom head electric motor. It has four heavy-duty levelers for easy adjustment to the height and level of the module.

One 100 - 250HP, 3600RPM, premium efficiency top head motor and one 100 - 250HP, 3600RPM, premium efficiency bottom head motor are included. Motors are sized per application.

Existing top and bottom cutterhead arbors can be reused in this application but require modification before use. Ask us about the options for replacement arbor assemblies.

INSTALLATION

The upgrade is estimated to take three days to install, with one USNR service technician working with a millwright or contractor and an electrician. The third day is used for motor testing. This allows the mill to check temperature, alignment, and bearing lubrication before production resumes.

Keep your planer operating efficiently for many more years to come with OEM upgrades.

HARDWARE

The upgrade includes the following hardware:

- New TEFC motors for top and bottom head positions
- New arbor to fit existing cutterheads
- Common arbor to fit either top or bottom head position
- Adjustable drive stand module for mounting TEFC motors
- Drive lines and guarding with integral capture brackets
- Shrink discs and hubs to connect to motor shaft and cutterhead spindle
- Option to send back existing spindle arbors to be reworked and rebalanced for the driveline motor system

Other available upgrades

Keep your planer operating efficiently for many more years to come with these other OEM upgrades from USNR:

- Infeed table upgrade
- Electric feed roll TEFC driveline motor upgrade
- Top & bottom head TEFC driveline motor upgrades
- Auto servo jointer upgrade
- Servo networks upgrade
- Controls system upgrade