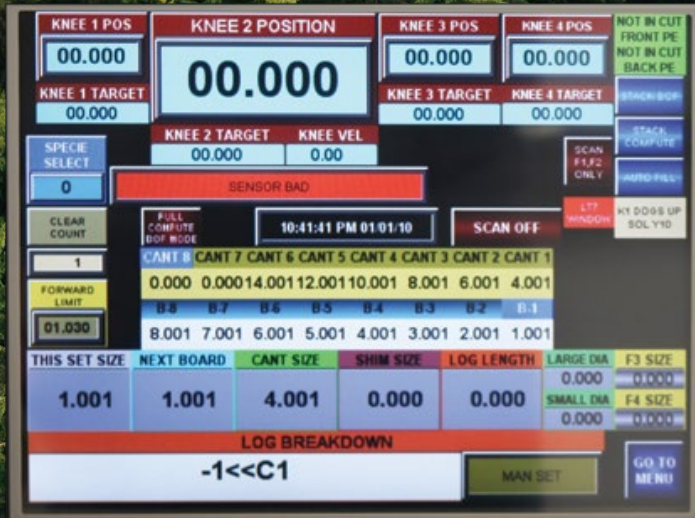


Linear Carriage System



Paw Taw John has user friendly systems and their customer service has been excellent.



*Greg Wells, Owner –
Greentree Forest Products, Inc.*



Trusted since 1986

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Linear Carriage System

Motion Control Systems

Features

- Simple controls
- Customized systems available
- Provisions for a Slabber
- 8" or 10" touch screen is used to input data for system operation, servo loop setup, size tables and special data entry if required
- Full featured
- Eight board and cant sets
- BOF and MOF solutions

Carriage Knee Controls

- Auto knee tracking
- Infinite taper for knees
- Dogging controls including cinch back if used
- Hydraulic Lockup Valve and Safety Valve Control
- Independent jog speeds for forward and reverse
- Independent set speeds
- Mechanical functions controlled by AD Plc Controller
- Adjustable software limits for Dogs Retract, Dogs Extend and Turner Dogs.

PLC/Screen Features

- Run screen displays status of knees, real time position, target position, trouble messages, log breakdown, cant selected, amount of wood left on carriage and many other features
- Board sizes, cant sizes, slabber sizes, operational limits, servo dynamic values, servo limits, etc., are entered through the touch screen display and saved in the PLC battery back-up ram
- Help menus for trouble shooting, if necessary, are on the touch screen
- Some operational features are displayed on the help screens
- Input/Output status is displayed on the I/O screen.
- ServoSensor status is displayed on screen
- The run screen will also show a trouble message if a problem occurs with the system

System Operation

- Sawing breakdown is determined by the sawyer using a saw line laser as a reference
- This system can be upgraded with a scan system
- Cants can be automatically selected by log diameter
- The operator can easily adapt to the product flow of the mill
- When computing a log, the operator selects a nominal cut and the computer will fill the log with as many nominal cuts as possible and will automatically step down to a lesser size cut until the log is full and the minimum opening face limit is met
- The operator can back stand cants only, half compute a log, manual or full compute a log
- The operator can stack boards for log breakdown, as well as select a cant or multiple cants
- If the operator enters more boards or cants than the log diameter can handle, the operator can still compute the log and the computer will throw out the last entries

System Hardware

- The system control cabinets, operator panel, and j-boxes are pre-wired at the factory
- All cables are labeled and cut pigtails are left at the terminal blocks of each enclosure
- Rewiring of the enclosures is expedited because the colored wires and pairs are left as they were when tested at the factory.
- Each enclosure has an identifying placard on the front of it
- The operator console overlay is reverse engraved to prevent wear and tear over the years of operation
- An interconnect cable diagram is provided
- An installation/operation manual is included to cover most operational procedures and installation requirements

