

BOARD OPTIMIZATION



PAWTAWJOHN

SERVICES, INC

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BOARD OPTIMIZATION

features

- PC program will have board tally for printing: Piece count, operational screens, wane allowance inputs, system parameter entry screen, board breakdown based on value in dollars per piece or volume, proprietary board solution software
- Ability to adapt to changing market requirements
- PLC machine control: Lug chains, infeed rolls, press rolls, edger roll sequencing, pickers

top scan only

- Laser spots are on one-inch centers
- Better scan density for snapshot of boards; This increases the best solution for the board
- High speed data gathering using ethernet 100base-T
- Low power requirements for heads

plc screen features

- Display status of mechanical system
- Time delay data entry for machine functions
- Machine cycle time
- Optimizer infeed and edger feed speeds
- 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

pc screen features

- Display the axis motion status, target and actual position
- Graphic display of the board solution
- Run screen will show machine status
- System configuration data is entered through a keyboard/mouse
- 100Base-T ethernet interface
- 10Base-T ethernet interface

system operation

- Operator will turn boards wane up and position on lug chain
- Operator will have a remote station at the location for manual machine control function
- Board will pass through scanner for solution
- If the infeed table is ready, the board will continue onto the table, the cylinders will position the stops, and the board will be fed; When the board clears the cylinder stop closest to the edger, another board will be delivered to the table for feed
- The rear pickers will come up for the saw pockets used
- The expected pieces per minute will be 32 peak and 28 average; This is all dependent on the mechanical ability of the optimizing table and the operator

system hardware features

- 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 as well as an installation/operation manual
- The manual is written to cover most operational procedures and installation requirements

Provider for Cleereman Carriage Systems

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