

# MarquipWardUnited

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## Vanguard Singlefacer Seminar Agenda – Contact: Mike Spanjer

1. Welcome to MarquipWardUnited Singlefacer Class
2. General overview of Singlefacer and bonding process
3. Safety Considerations
  - a. Machine Lockouts
  - b. IES and ZES
  - c. General Safety for Vanguard
4. Operator Controls
  - a. Push-Button Stations
  - b. Touch-Screen Operation
  - c. Machine Adjustments and Settings
5. Mechanical
  - a. Pressure Roll Gaps and Alignments
  - b. Corrugating Rolls Gaps and Alignments
  - c. Glue Unit Rolls and Gaps and Alignments
  - d. Pressure System and Seals
  - e. Starch Control
  - f. Hydraulics
  - g. Preventive Maintenance
  - h. Pneumatics
  - i. Steam System
  - j. Drive System
6. Electrical
  - a. Sensors
  - b. Power
  - c. Drives and Motor Control
  - d. Control prints
  - e. PLC and I/O Racks
  - f. Roll Change Controls
7. Troubleshooting

MarquipWardUnited class times are 8:30 a.m. to 4:30 p.m. with two breaks and lunch.  
On-Site times depend on plant and shift desires and needs.

Please discuss this with the Education and Training Department after reviewing this agenda.  
This has been written for all possible machines; some equipment may not apply for a particular class and will not be covered. Specific order for class may vary upon equipment presented.