SECONDARY VALUE-ADDED AS AFFECTED BY MOISTURE CONTENT AND STRESS

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Moisture content:
- Too high a moisture content
  - unstable wood
  - changing in size
- Too low a moisture content
  - loose knots
  - star check knots
  - brittle wood
  - breakup in machining

Stress:
- Casehardening
  - drying at high temperature
  - drying too fast
  - 1" and 2" forms
- Twist, bow and cup
  - too high a temperature
  - insufficient humidity
- Lack of equalizing and conditioning

Drying mixed loads:
- Drying to the most critical species
- Humidity control and conditioning
- Frequent monitoring
  - more often than daily
  - do not rely on probes
- Geographic discrepancies, coastal / inland
- Maturity of fiber, old growth / juvenile

Humidity control
Air circulation
Gentle cycle