Fiber Optic Temperature Sensors
For Wood Drying Applications

- Industry leading rugged fiber optic temperature sensors
- Designed for rough handling & harsh environments
Fiber Optic for Wood Drying Applications

Microwave/RF Wood Drying
- Fast drying
- Consistent drying process
- Minimize danger of cracks, shape and changing the color of wood
- Chemical free
- Eco-friendly / Bio Safe

Benefits of wood drying
- Remove moisture
- Improve structural integrity
- Avoid Shrinkage
- Control the color, shape
- Eliminate insects and parasites

Benefits for Fiber Optic Monitoring in Microwave Process
- Test certificates for customer specification compliance
- Fiber optic sensors are immune to RF/Microwave
- Avoid RF waves burning the center of the beam
- Continuous Monitoring for quality control

Our Solution:
- Test certificates for customer specification compliance
- Fiber optic sensors are immune to RF/Microwave
- Avoid RF waves burning the center of the beam
- Continuous Monitoring for quality control

Rugged Fiber
- T301 Rugged Fiber Optic Sensor
- Rugged Connect

Rugged Fiber
- Remove moisture
- Improve structural integrity
- Avoid Shrinkage
- Control the color, shape
- Eliminate insects and parasites
**Why Wood drying**

In the wood industry, wood is dried

- Remove moisture
- Improve structural integrity to avoid damage from shrinkage
- Control the color, shape
- Elimination of living organisms like insects and parasites.

**Advantages of Microwave/RF Drying**

- Fast drying (2 days in a Kiln instead of 2 month in the back yard)
- The most homogeneous drying process
- Minimize danger of cracks, shape and changing the color of wood
- Avoiding burning the center of the beam

**Chemical free**

- Methyl bromide (MeBr) has been widely used to decontaminate wood infected by living organisms.
- MeBr is highly toxic and depletes the stratospheric ozone layer, the use of Microwave is non toxic and eco friendly

**Typical Customers**

- Wood processors
- Wood Exporters
- Furniture manufacturers
- Shipping material providers

**Advantages of Fiber Optics**

Fiber optic monitoring in wood drying provides significant benefits to traditional methods

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- Fiber optic sensors are immune to RF/Microwave
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- Continuous Monitoring for quality control

**Advantages of Fiber Optics**

Fiber optic monitoring in wood drying provides significant benefits to traditional methods

- Monitors
- Sensors
- Software
- T301
- Rugged Fiber Optic Sensor
- Rugged Connect

**Interested to learn more**

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**About Us**

Rugged Monitoring is a team of industry leading fiber optic experts with 100+ years of combined experience committed to delivering customizable solutions for challenging applications. We offer a range of reliable, high performance, customizable sensors and monitoring solutions that are immune to external influence.