



Hardwood Lumber Processing





Forest Management

Forest Management

Our timber harvesting programs are diverse and can be adapted to a variety of forest management goals. All of our forest management activity is monitored by our on staff professional foresters. The timber harvesting professionals we select are formally trained, fully insured and adhere to strict environmental guidelines.



Our Foresters

Our foresters are forest management professionals. Foresters hold a degree in Forestry from an accredited college or university and has years of forest management experience.



Hardwood Logs

Log Purchasing

American Lumber Company purchases hardwood veneer logs and saw logs from loggers and landowners year round.



Common Species

- Ash
- Basswood
- Beech
- Birch
- Cherry
- Hard Maple
- Hickory
- Red Oak
- Soft Maple
- Walnut
- White Oak
- Yellow Poplar



Sawmill Operations

Sawmills

American Lumber Company owns and operates its own hardwood lumber sawmills.

Each sawmill processes the American hardwoods found in close proximity. All standard thicknesses are sawn. On average the sawmills employ 40 people, and can produce approximately 40,000'bf of hardwood lumber per day.



Sawmill Operations

- Log preparation
- Debarking
- Metal detection
- Sawing boards
- Green lumber grading
- Packaging & shipping



Concentration Yards

Concentration Yards

American Lumber Company owns several hardwood lumber concentration yards.

The concentration yards are located close to major North American shipping routes and seaports. With several production facilities in the Eastern United States, American Lumber is well positioned to serve our customers overseas.



Concentration Yard Operations

- Air drying
- Kiln drying
- Lumber grading
- Lumber sorting
- Surfacing
- Ripping
- End painting
- Bundle packaging
- Shipping



Hardwood Lumber Air Drying

Air Drying

Air drying is utilized for the first stage of the lumber drying process.

Wooden spacers, called “stickers”, are utilized between each course of lumber to enhance airflow and improve drying. Stickers are placed at each one foot interval.



Air Drying Times

Air drying times vary based on many factors including species, thickness, climate conditions, and individual yard practices.

If properly stored lumber can remain in an air drying state for a long period of time.



Hardwood Lumber Kiln Drying

Kiln Drying

Kiln drying is the process of heating the lumber in special treatment chambers to reduce the moisture content to the proper levels for use.

American Lumber Company has between 10 and 30 kilns at each concentration yard depending on the location.



Kiln Drying Times

Kiln drying times can vary from weeks to months depending on various factors and conditions.

During the process experienced kiln operators regularly check pre-designed board samples with a cutting and weighing process to calculate the exact time to complete the drying process.



Hardwood Lumber Grading

Grading Kiln Dried Lumber

After drying the lumber is dismantled from the sticker packs and each board is individually inspected and assigned a grade based on standard industry grading rules.



Hardwood Lumber Grades

For over 100 years the industry has been utilizing standard agreed upon grades.

Sample grades include:

- FAS / FAS1F
- 1 Common
- 2 Common
- 3 Common



Hardwood Lumber Sorting

Sorting

Hardwood lumber is typically sorted based on several different criteria.

Grade, color, width, length, and thickness are the most common sorts.



Custom Grade Sorts

American Lumber Company provides custom designed high quality lumber solutions that exceed traditional industry grading parameters.

Referred to as **Custom Grades**, these solutions are offered as options to customers on a regular basis for shipment around the world.



Surfacing and Digital Scanning

Hardwood Lumber Surfacing

Hardwood lumber surfacing is available upon request.



Digital Scanning

Latest in Wood-Eye scanning technology is used to provide customers with consistent lumber that improved lumber yields.

We also offer a guaranteed yield product using this technology called **YieldMAX** which helps develop consistent products, and reduces unwanted inventory.



Hardwood Lumber Ripping

Hardwood Lumber Ripping

American Lumber Company has years of experience in providing ripped hardwood lumber products to our customers.

We will consider ripping all species and all thicknesses for SLR1E and SLR2E.



Ripping Programs

American Lumber offers three hardwood lumber programs:

- **Custom Two Edged Rips:** A solution based on our customer's specifications
- **Parallel Edged Rips:** Random width bundles with SLR2E boards.
- **Ripping as a Service:** Ripping per a customers specific cut bill.



Painting and Packaging

Painting

American Lumber takes great pride in ensuring our bundle preparation and packaging is top notch.

Stencil markings and end painting are common practices.



Packaging

Symmetrical banding utilizing protective cardboard corners are standard practice for American Lumber.



Inventory Management

Shipping and Delivery

At American Lumber, we are focused on developing new and better ways to take the worry out of delivery.

With state-of-the-art equipment and a fully integrated delivery system, American Lumber can deliver whatever volume of hardwood lumber you need, whenever you need it!



Inventory Management

Inventory management programs designed to ensure you have the lumber you need when and where you need it are available.

Program options include:

- Mixed order deliveries
- Planned bookings
- Export sourcing programs
- Customized reporting



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