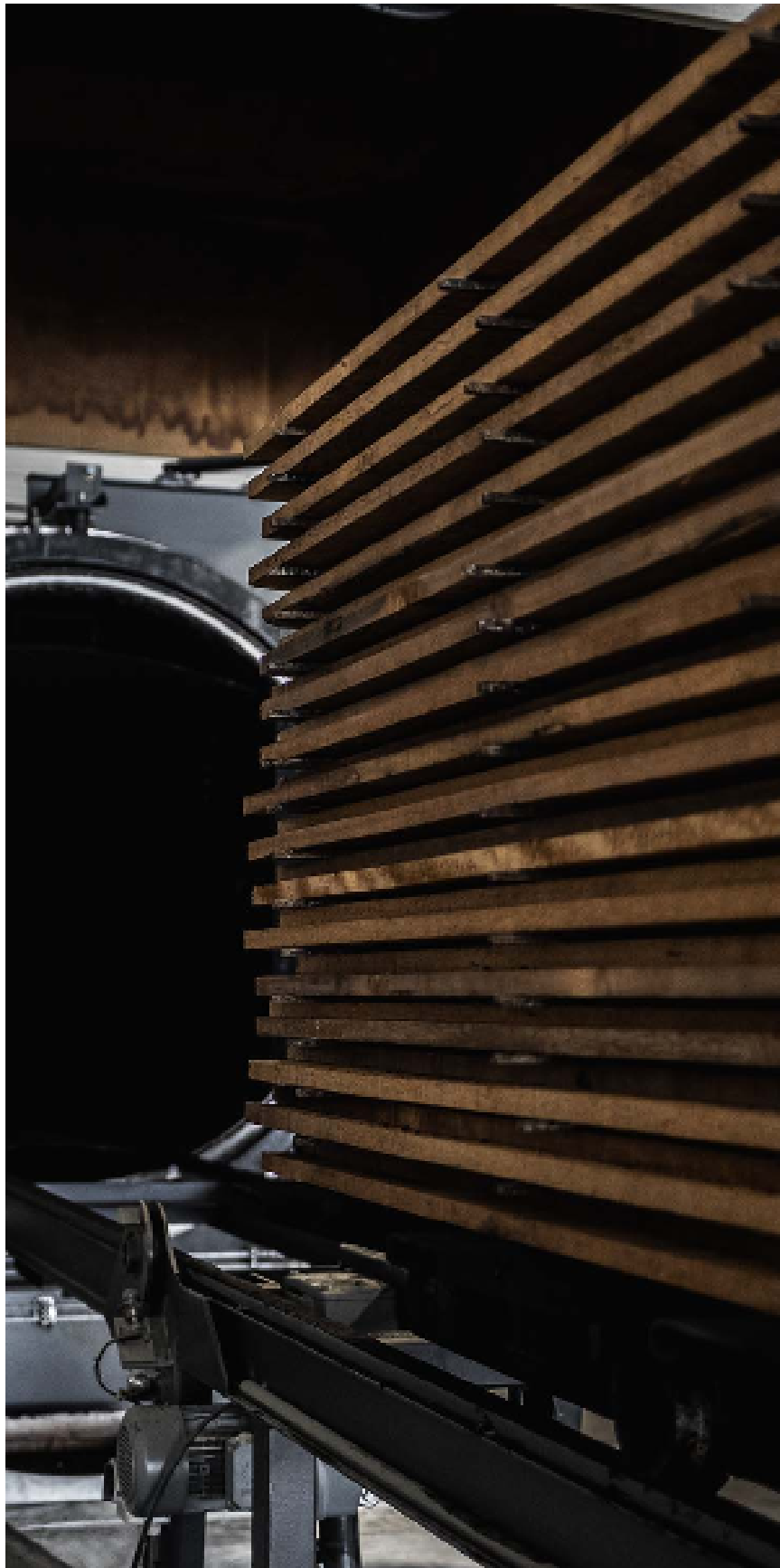


LUMBER PRODUCTS



Better Manufacturing Starts with Better Wood



ThermalPro Wood's advanced low-temperature, high-pressure thermal modification process was engineered with manufacturers in mind. By using lower temperatures and pressure to modify the wood, the process reduces thermal stress and brittleness while preserving more of the wood's natural strength, stability, and workability.

The result? A higher-performance material that gives manufacturers more options, more value, and more opportunities to grow.

Create Higher-Value Products

Turn domestic wood into premium, high-performance products.

- Increase margins and product value
- Differentiate your product line
- Expand your product offerings

Strengthen Your Supply Chain

Reduce dependence on limited or imported materials.

- Access a wider range of domestic species
- Improve material availability
- Reduce dependence on tropical hardwoods

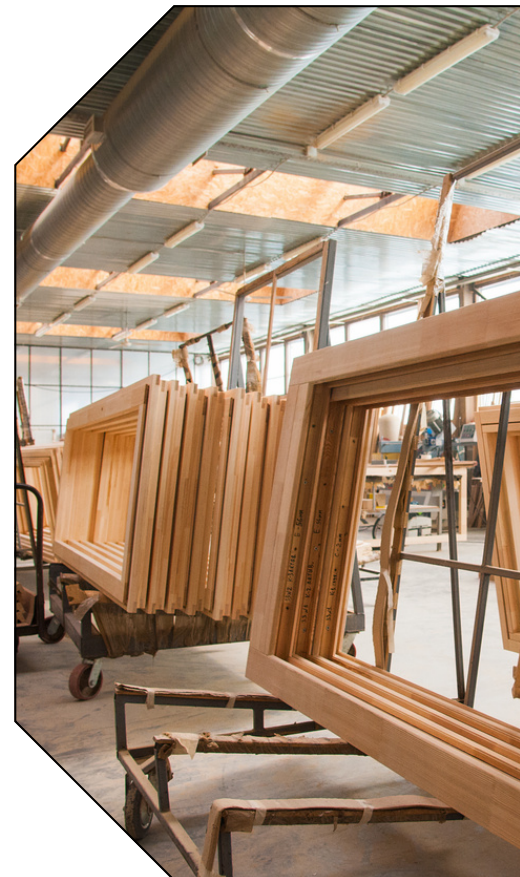
Accelerate Production

A more efficient process can help you do more with your manufacturing capacity.

- Shorter modification cycles
- Improved throughput and material flow
- Consistent, manufacturing-ready material

More Species. More Performance. More Possibilities.

ThermalPro Wood gives manufacturers a smarter way to turn readily available domestic wood into premium products engineered for today's market.





Why Manufacturers Choose ThermalPro Wood

Superior Performance | Natural Aesthetics | Expanded Possibilities

Thermally modified wood gives manufacturers the opportunity to build greater performance into their products without giving up the natural beauty, workability, and authenticity of real wood.

Modification permanently changes the wood's cellular structure to reduce moisture absorption, improve dimensional stability, and increase durability. You get a more durable, stable material that can expand your products' performance and applications—and **help you create greater value for your customers.**

Advanced Technology. Scalable Production

- Consistent Dimensions & Moisture Content
- Consistent Density & Quality
- Predictable Machining Characteristics
- Tight Tolerances
- Reliable Fit & Assembly
- Higher Usable Yield
- Reliable Material Flow for Production Efficiency
- Scalable for High-Volume Processing



THERMAL
PRO

Faster Processing. Greater Capacity.

Shorter thermal modification cycles mean more wood can move through the process in less time.

What that means for you:

- Faster order fulfillment
- Reliable material flow
- Improved production scheduling
- Highly scalable
- Greater responsiveness to demand fluctuations
- Higher throughput

	Traditional High Heat System	ThermalPro Low Heat System
Max Temperature	446° F 230° C	350° F 176° C
Pressure	Atmospheric	200 psi
Process Time	36 to 72 Hours	8 to 12 Hours
Moisture Content During Processing	0 %	5-6%

One Material. More Possibilities.

ThermalPro Wood gives manufacturers the flexibility to bring the performance of thermally modified wood into a wide range of products and applications. Its improved dimensional stability, durability, and moisture resistance make it a strong alternative to conventional and exotic wood species. Ideal for:

Outdoor Products | Decking, porch flooring, furniture, playsets, pergolas, fencing, and outdoor structures

Architectural Products | Window & door components, siding, cladding, rainscreens, screens, louvers, and slats

Interior Products | Paneling, ceilings, flooring, walls, and feature elements

Millwork & Components | Mouldings, trim, stair components, and custom profiles

Furniture & Cabinetry | Components, casework, drawer parts, and specialty furniture

Specialty Applications | Saunas, Wine Rooms, Musical Instruments





SPECIES

Hardwood

- Ash
- Beech
- Birch
- Hickory

- Maple
- Poplar
- Oak

Softwood

- Douglas Fir
- Hemlock
- Southern Yellow Pine
- Spruce



BLANKS

ROUGH & SURFACED BLANKS



THERMAL
PRO

ThermalPro Wood supplies rough and surfaced thermally modified blanks designed for manufacturers who need high-performance material ready for their production process. Our advanced low-temperature, high-pressure technology creates a more stable, durable material while preserving more of the wood's natural strength and workability.

With a growing selection of domestic hardwood and softwood species, manufacturers have more flexibility to develop products without being limited to traditional or exotic species.

ROUGH BLANKS

For manufacturers who want maximum flexibility in their machining process.

- Rough-sawn material for further processing
- Multiple species and thicknesses
- Custom dimensions available
- Ideal for milling, profiling, and component manufacturing
- Greater material flexibility for production requirements

SURFACED BLANKS

For manufacturers looking to streamline preparation and move material into production faster.

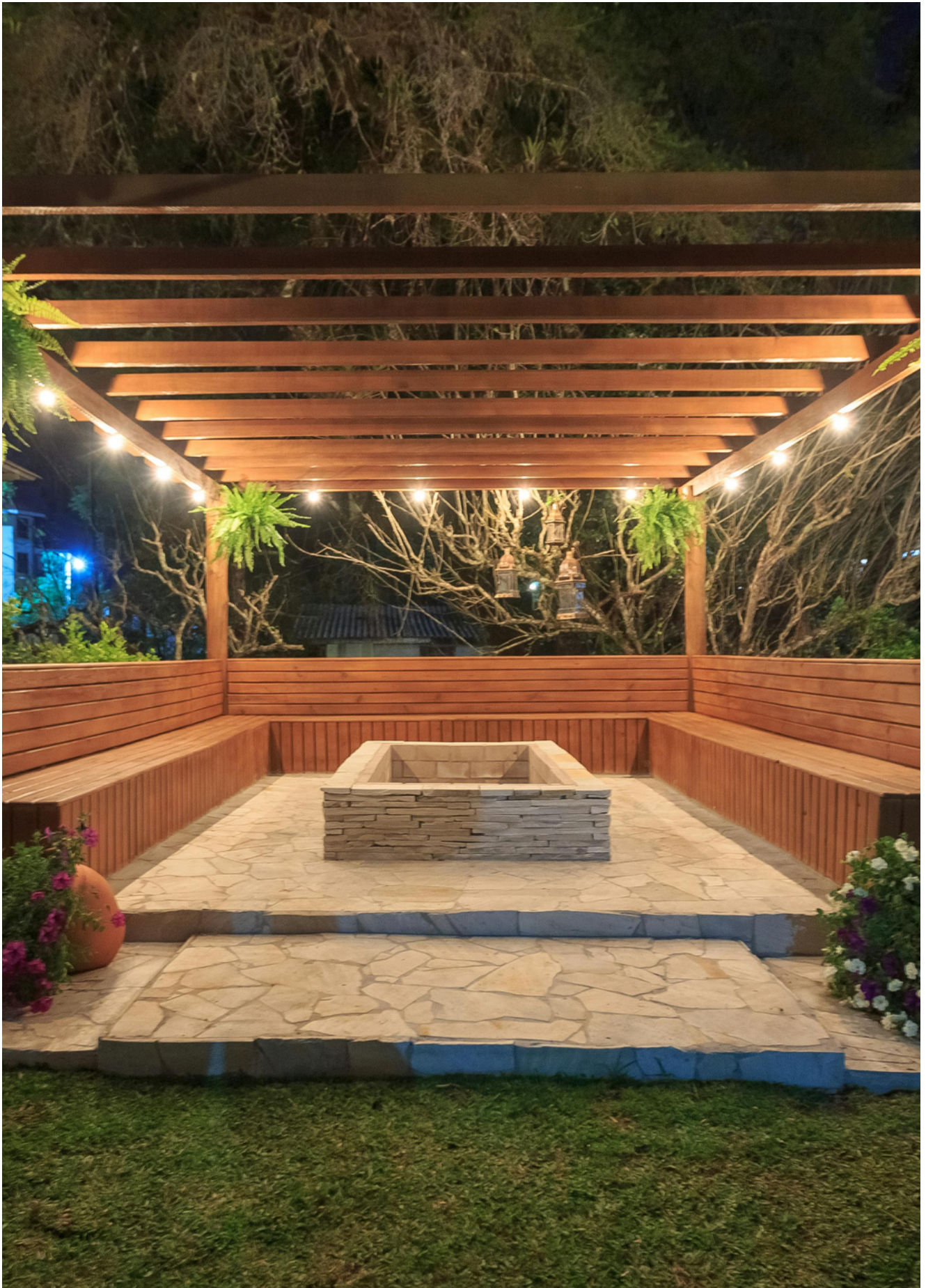
- Surfaced to specified dimensions
- Consistent thickness and sizing
- Ready for machining, profiling, or assembly
- Reduced preparation and material handling
- Consistent material flow into your production process

Built Around Your Production

Need a specific species, thickness, width, length, or surface condition?

ThermalPro Wood can produce material to your requirements, helping you integrate thermally modified wood directly into your existing manufacturing process.

More species. More options. Better material flow.



⑥ BOARDS & TIMBERS

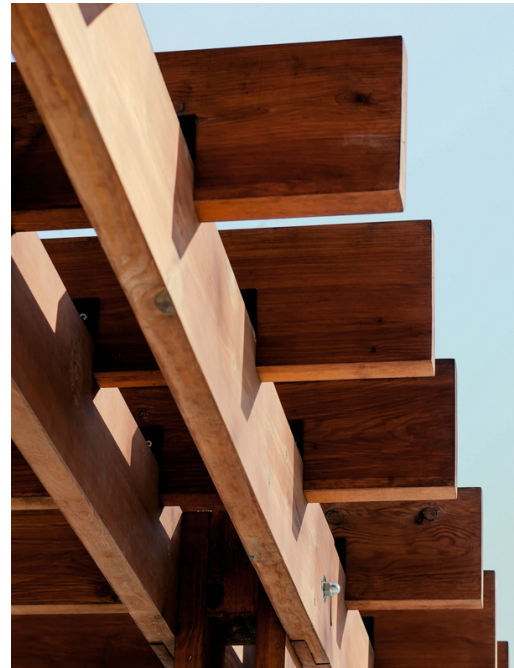
DIMENSIONAL & TIMBERS



THERMAL
PRO

ThermalPro Wood creates high-performance lumber by permanently transforming wood at the cellular level—without the use of chemicals - using an advanced low temperature, high pressure process. For the first time, this technology allows us to thermally modify timbers **up to 8" in dimension**, opening new possibilities for large-scale structural and architectural applications.

The result is exceptional dimensional stability, natural durability, and long-lasting beauty without the brittleness associated with high-temperature modified wood.



Unlike pressure-treated lumber or surface-applied preservatives, thermal modification changes the wood itself, helping it resist moisture and remain more stable in changing climates.

SPECIES

Softwood

- Southern Yellow Pine
- Douglas Fir
- Spruce
- Hemlock

Hardwood

- Ash
- Poplar
- Maple
- Oak
- Hickory

DIMENSIONAL

1x Boards

- Softwood Widths: 2"-12"
- Softwood Lengths: 6'-16'
- Hardwood Widths: 2"-10"
- Hardwood Lengths: 6'-12'

2x Boards

- Softwood Widths: 4"-12"
- Softwood Lengths: 6'-16'
- Hardwood Widths: 2"-10"
- Hardwood Lengths: 6'-12'

TIMBERS

Pine Timbers

- 4x4x4'-16'
- 4x6x8'-18'
- 4x8x8'-18'
- 8x8x8'18'
- Custom sizes

Hardwood Timbers

- Available sizes vary by species. Inquire for details and availability.

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Sizes may be limited by species
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T H E R M A L
P R O

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