Welcome!

Join us August 14-18, 2018 for the 11th World Bamboo Congress. This global event will take place in the beautiful city of Xalapa, in the state of Veracruz, at the Gamma Xalapa Nubara Hotel. The host of the 11th WBC is the Bambúes y Forestales de México. The aim is to demonstrate the vast potential of bamboo in the Americas, and particularly Mexico, as well as showcase what’s happening around the world in bamboo development.
DASSO INNOVATIONS:
BAMBOO MANUFACTURING TECHNIQUES SPAN
“Creativity is not the finding of a thing, but the making of something out of it after it is found.”

- James Russel Lowell (1819 - 1891).

James Russel is an academic and writer.
Global Innovator of Moso Bamboo
The Pioneers

- Larry Lin
- Steve Shen
- John Xu
- Zhang Xiaoping
Here is some of our most dedicated workforce. 70% of them are women who form an important part of bamboo society.
Today, we have 9 factories producing a wide range of products in the 6 main categories with a workforce of roughly 1 thousand people.
Why Bamboo?
“Rather live without meat than living without bamboo.”.

What’s eaten – bamboo shoots. 
What’s roof over the head – bamboo shingles.
What’s traveled on – bamboo rafts. 
What’s cooked with – bamboo cores. 
What’s wearable on my body – bamboo cloths. 
What’s written on – bamboo scrolls. 
What’s put on – bamboo sandals.”
The passing of an era...
Socialism with Chinese Characteristics

CAPITALISM

SOCIALISM
Shanghai 1990

Shanghai 2010

Shanghai grows up in a hurry, going from a big but sleepy city to a thriving metropolis in 20 years.
The most innovative tools of the time. One tool does it all - the Billhorn machete!!
The old ways!

The innovation
Bamboo Industrialization
First Generation Bamboo Development
Sawing to strips

Machine Splitting to Strips
Second Generation Bamboo Development
Third Generation Bamboo Development

How we make the new Furled Bamboo Format

Our patented unfurl process creates a unique, wide one piece bamboo sheet. This is then utilized in a myriad of products further enhanced with unique styling and surface treatments.

- One Piece Bamboo Face
- Unique Bamboo Cross Knuckle
- No Glue Lines on Cutting Surface
- From rapidly renewable & sustainable 100% natural bamboo
Transformation is Innovation

1. Transformation from Handcraft to Industrialization
2. Transformation from flooring to Panels, to Veneers, to Ceiling panel to wall panels and etc...
3. Transformation of Processing Technology
4. Transformation from the Interior Application to the Exterior
dasso.Flooring

Solids & Engineered bamboo in traditional, stranded and our proprietary pressed construction
dasso.Furnishings
Furniture, bamboo, cutting boards
dasso. Elements
Bamboo Veneers, Plywoods, and Countertops
Production of bamboo veneer
Automotive Interior of BMW X5 and X6 series
Bamboo Kitchen in Thousand Island Villa
Bamboo Cabinets
dasso.XTR
Fused Bamboo® for Exterior Use
What are the principles behind the technology?

**Thermal Fused Technology CLASSIC Series**

*Extracted & fused to last*

We extract all the nutrients (which include sugar and starch) from the bamboo, impregnate it with phenolic resin (the same resin found in bowling balls), then compress it 2:1 to form Fused Bamboo. Because Fused Bamboo does not contain any more nutrients, it will not attract bacteria, fungus, molds or insects; the fiber does not rot under exposed environments.

**Ceramix® Fused Technology EPIC Series**

*Crystalized & fused to last*

We crystalize the fibers with Ceramix® nano particle, impregnate it with phenolic resin (the same resin found in bowling balls), then compress it 2:1 to form Fused Bamboo. Because Fused Bamboo is now fully impregnated with Ceramix® nano particle that crystalizes the nutrients from attracting bacteria, fungus, molds or insects, the fiber does not rot under exposed environments.
千岛湖珍珠广场
dasso.Innovations
Industrial & Commercial Applications
Installation of 800KW bamboo wind turbine blades
Installation of 800KW bamboo wind turbine blades
And a new Middle Management Team

Thank you from dasso team!
FUSED BAMBOO®
decking, siding, & more
What is dasso.XTR?

Fused Bamboo® that’s strong enough for exterior use

XTR stands for eXTeRior
What is Fused Bamboo®?

Bamboo fibers are fused into panels with resin using our Patented Process.

87% natural moso bamboo fiber and 13% of binder.
## dasso.XTR Fused Bamboo®

### Comparison Chart

<table>
<thead>
<tr>
<th>Competitive Material</th>
<th>dasso.XTR</th>
<th>Ipe</th>
<th>Meranti Mahogany</th>
<th>Southern Yellow Pine</th>
<th>Western Red Cedar</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Density</strong></td>
<td>1,100 kg/m³</td>
<td>1,050 kg/m³</td>
<td>730 kg/m³</td>
<td>590 kg/m³</td>
<td>410 kg/m³</td>
</tr>
<tr>
<td><strong>Strength (psi)</strong></td>
<td>20,100</td>
<td>25,400</td>
<td>12,700</td>
<td>14,200</td>
<td>7,500</td>
</tr>
<tr>
<td><strong>Stiffness (1,000psi)</strong></td>
<td>2,103</td>
<td>3,140</td>
<td>1,612</td>
<td>1,510</td>
<td>930</td>
</tr>
<tr>
<td><strong>Janka Hardness (lbs)</strong></td>
<td>3,820</td>
<td>3,060</td>
<td>780</td>
<td>750</td>
<td>350</td>
</tr>
<tr>
<td><strong>Insect &amp; Decay Resistance</strong></td>
<td>High</td>
<td>High</td>
<td>Low</td>
<td>Low</td>
<td>High (Heartwood only)</td>
</tr>
</tbody>
</table>
How is Fused Bamboo® Produced?

From a natural bamboo forest

Stalks selectively cut every 5-7 years

We prepare the bamboo fiber

Fuse it into strong panels with our Patented Process

Panels are milled into decking, RainClad® siding, porch flooring, lumber & more!
How is Fused Bamboo® Produced?

- From a natural bamboo forest
- Stalks age 5 – 7 years selected and cut
- Culms cut to length of 6 1/2ft (2,000mm)
- Splits into stripe and deskin
- Stripes crush into strand of 1/64” (3mm) diameter
- Drying and “de-nutrients”
- Binder Impregnation (meaning soak in binder thoroughly)
- Drying to desire moisture content
- Fused with thermal-press into panels
- Cut-to-size and route to finish products
- Prime and dry ready for packaging
- Finished Boards
Features & benefits

- Beautiful & Durable
- Modular Designed
- Sustainable Resource
- Easy to Transport and Install
- Class A Fire Rated

Class A Fire Rating

dasso.XTR
Who is the dasso group?

global innovator of moso bamboo

- family owned
- formed by Larry Lin
- established in 1993
- 10 manufacturing facilities
- 1000 employees
- a dedicated company focused on R&D of moso bamboo
dasso Products

- **dasso.Flooring**
  Interior Flooring

- **dasso.XTR**
  Exterior Usage

- **dasso.Elements**
  Interior Design Materials
  - **dasso.Furnishings**
    Furniture, Kitchenware
  - **dasso.Architectural**
    Custom Design
  - **dasso.Innovations**
    Innovative bamboo Products
Prestigious dasso Projects

▪ Bamboo Wind Turbine
  Inner Mongolia, China

▪ Vinke Headquarters
  Shenzhen, China

▪ Bamboo Ceiling
  Madrid Berajas Airport, Spain

▪ RainClad® Siding
  Charleston, SC USA

▪ Boardwalk
  Banana Island
  Doha, Qatar

View More: dassoXTR.com/Gallery.aspx
Fused Bamboo® Products

- Decking 1" or 20mm Residential & Light Commercial
- Decking 2" or 40mm Commercial & Boardwalk
- RainClad® Siding
- Porch Flooring
- Deck Tiles
- Lumber & Panels
Fused Bamboo® Decking

- **END MATCHED**
  Installation on or off joists

- **REVERSIBLE FACES**
  Smooth / Reeded

- **G2**
  Use Hidden Fasteners

- **G1**
  1-SIDE GROOVED
  Edging & More

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1 x 6 Double Groove
XTR-DK20-G2-PP

- RECOMMENDED SPAN 12”, 16”, 24”
- Off-joist installation only on span of 16” or less.
- End-matched joint withstands a load of 100PSF

1 x 6 Single Groove
XTR-DK20-G1-PP

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Fused Bamboo® Commercial Decking

**END MATCHED**

**REVERSIBLE FACES**
Smooth / Reeded

**NO SIDE GROOVE**

**HEAVY DUTY USAGE**
- Boardwalks
- Marinas
- Piers

2 x 6 Commercial Grade Decking
XTR-DK40-G0-PP

RECOMMENDED SPAN 12”, 16”, 24” and 36”
On-joist installation and face screw only
RainClad® Siding

- Available in Sheathing or Baten Installation
- Designed with buffer and therma insulation for the building
- Speedy installation with Fastrack and Fastener
Fused Bamboo®

Porch Flooring

**REVERSIBLE FACES**
Smooth / Reeded

**TONGUE & GROOVE**

**WHERE TO USE**
- Covered Walkways
- Covered Porches

Porch Flooring
XTR-POR18-96-PP

WHERE TO USE
- Covered Walkways
- Covered Porches
Fused Bamboo®
Deck Tiles

- Precisely Milled in Modular Design
- Speedy Installation
Fused Bamboo®
Deck Tiles

- Precisely Milled in Modular Design
- 5” Wide Strips for High-end look
- Locking Mechanism to prevent blow-off
- Speedy Installation
Lumber & Panels

HOW TO USE
- Furnishings
- Privacy screens
- Fences & gates
- Railings
- More...

1 x 8 S4S Lumber
XTR-LUM20-205

2 x 6 S4S Lumber
XTR-LUM40-152

1” Half Panel
XTR-PAN20H

2” Half Panel
XTR-PAN40H
Lumber & Panels

- Trim Projects
- Site Furnishings
- Privacy Screens
- Fences & Gates
- Railings
- and More
Sustainable Resource

- Anatomy
- Physiology
- Growth
Physiology

- 40 culms of bamboo will absorb the same amount of CO2 released by an individual in a year.
Growth

- Bamboo has multiple growth points as opposed to trees with only 1 growth point at the apex of the plant.
- In a good spring, bamboo shoots can grow up to 1 meter (3 feet) in 24 hours.