



Get to know your host city Xalapa.

11th WORLD BAMBOO CONGRESS

Xalapa, Veracruz, Mexico
August 14-18, 2018

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.



**11th
WORLD
BAMBOO
CONGRESS**

Xalapa, Veracruz, Mexico
August 14-18, 2018

**DASSO INNOVATIONS:
BAMBOO MANUFACTURING TECHNIQUES SPAN
OVER 25 YEARS (1993 – 2018)**



“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



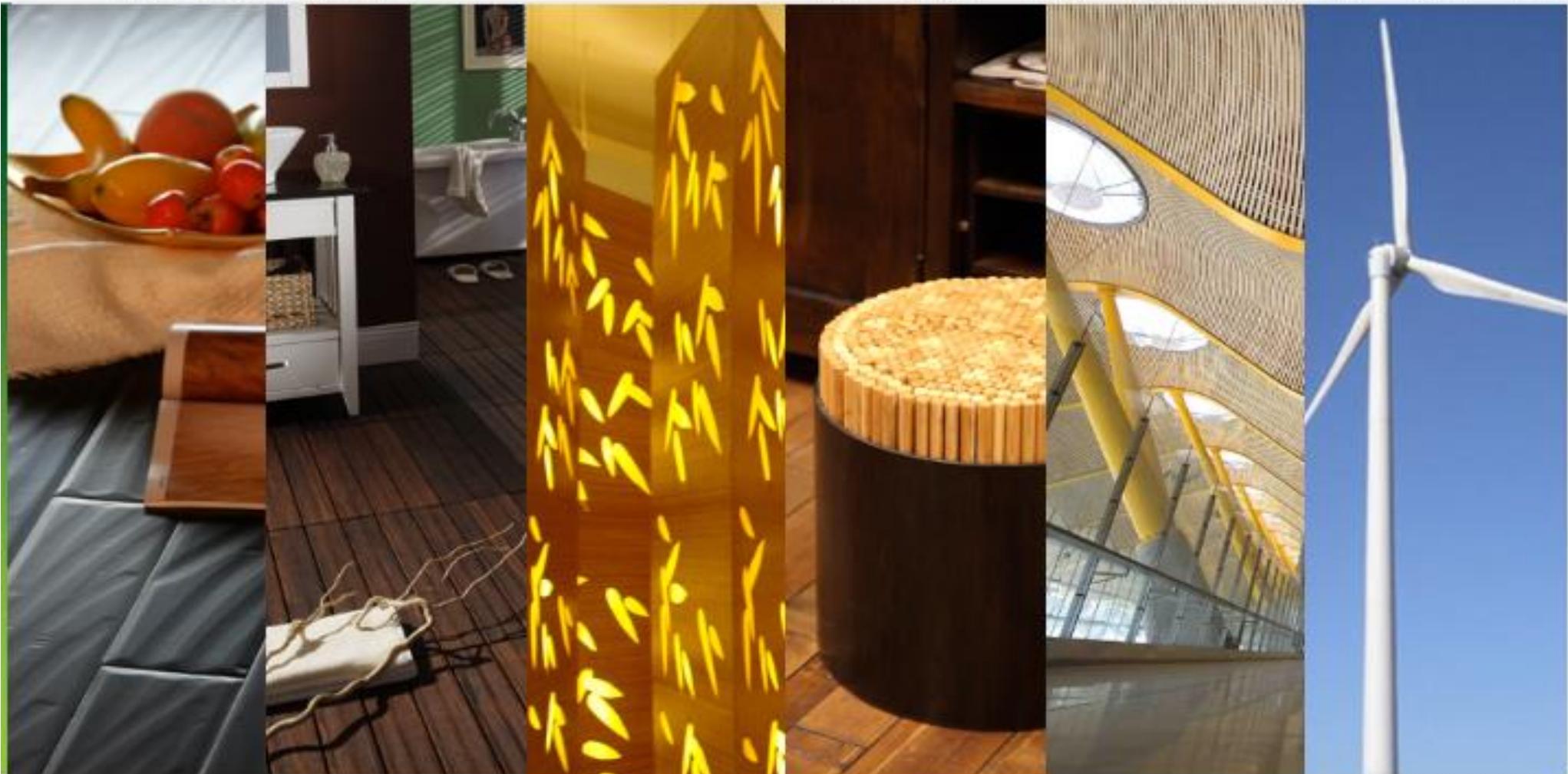


Here is some of our most dedicated workforce. 70% of them are women who form an important part of bamboo society.

Today, we have 9 factories producing wide range of products in the 6 main categories with a workfore of roughly 1 thousand people.





**dasso**.Flooring

Traditional
Strand Woven
Pressed EcoSolid
Solid
Engineered

dasso.XTR

Exterior
Decking
Siding
Cladding
Tiles

dasso.Elements

Veneer
Panels
Sheet Goods
Countertops
Wear Surfaces

dasso.Furnishings

Furniture
Decorative
Home
Office
Commercial

dasso.Architectural

Ceilings
Walls
Decorative
Sound
Envision

dasso.Innovations

Integrated
Automotive
Energy
Industrial
Imagination

Why Bamboo?





“Rather live without meat than living without bamboo.”

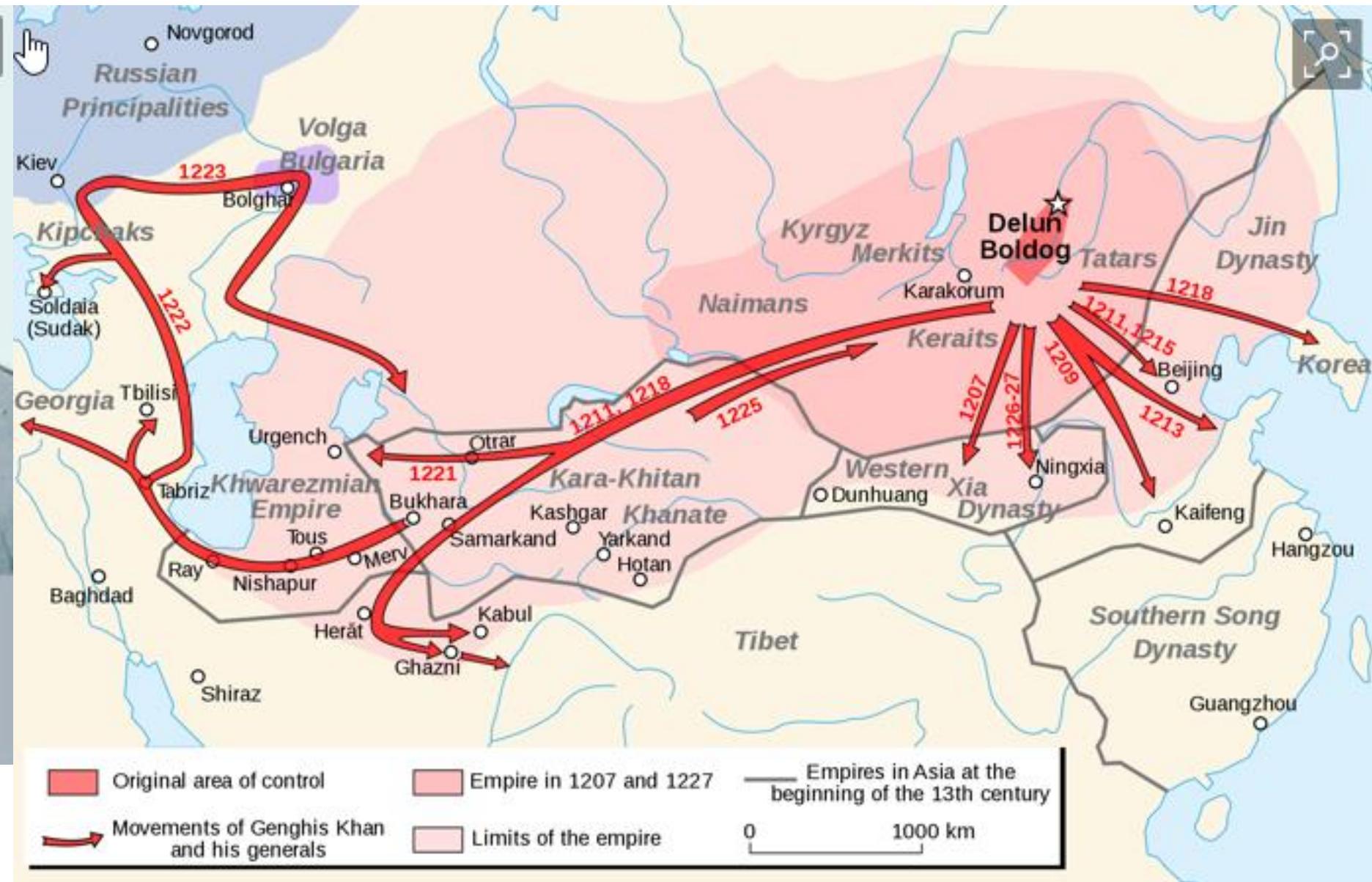
What's eaten – bamboo shoots.
What's roof over the head – bamboo shingles.
What's traveled on – bamboo rafts.
What's cooked with – bamboo cores.
What's wearable on my body – bamboo cloths.
What's written on – bamboo scrolls.
What's put on – bamboo sandals.”

文明承载



Leo de Hartog

GENGHIS KHAN Conqueror of the World





In 1976, Mao died & was succeeded by moderate Communist leaders

In 1978, Deng Xiaoping took over China & began new economic reforms

The passing of an era...



Socialism with Chinese Characteristics

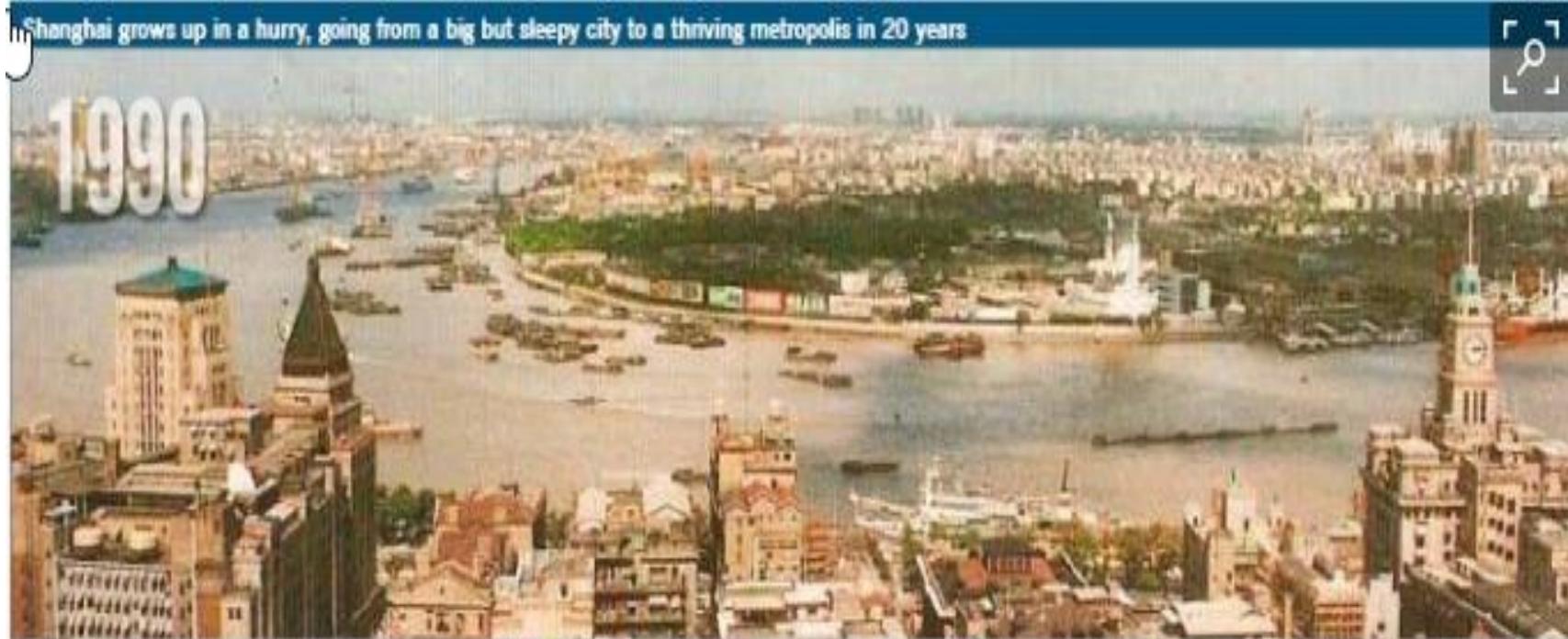
~~CAPITALISM~~

SOCIALISM

Shanghai grows up in a hurry, going from a big but sleepy city to a thriving metropolis in 20 years



Shanghai 1990



Shanghai 2010





The most innovative tools of the time. One tool does it all - the Billhorn machete!!

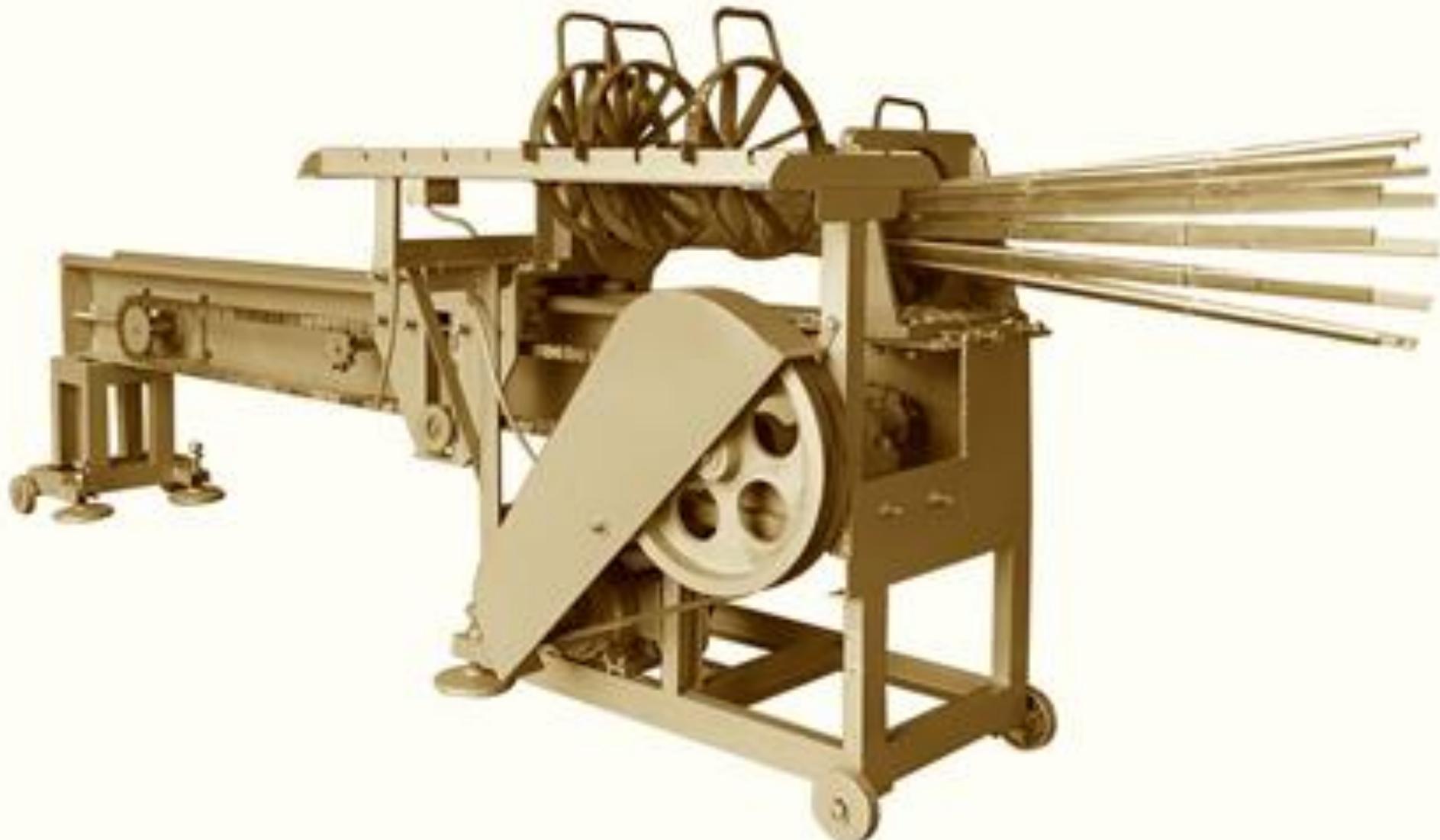


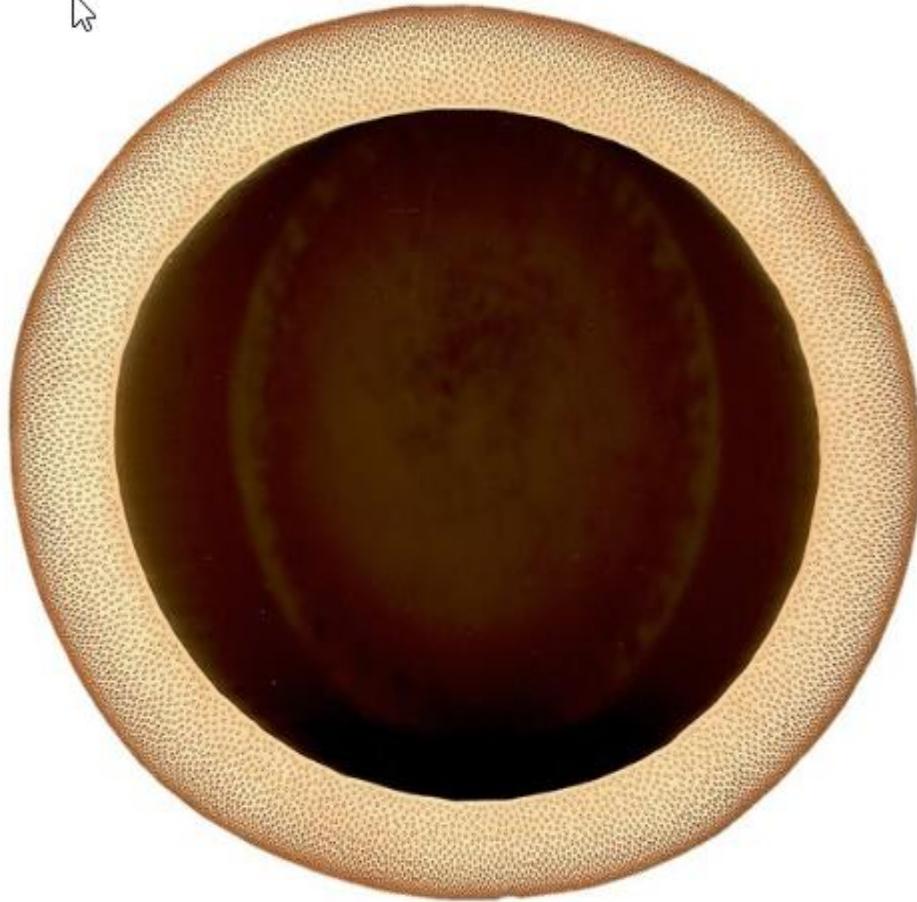
The old ways!



The innovation

Bamboo Industrialization





First Generation Bamboo Development

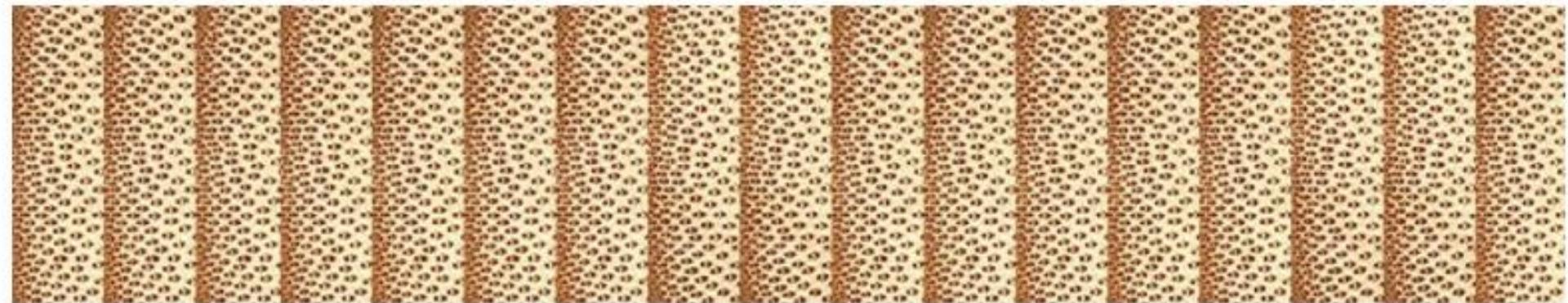


plain
pressed



© BambooImport.com

side
pressed



Sawing to strips

Machine Splitting to Strips



Second Generation Bamboo Development



© BambooImport.com







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

Third Generation Bamboo Development

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





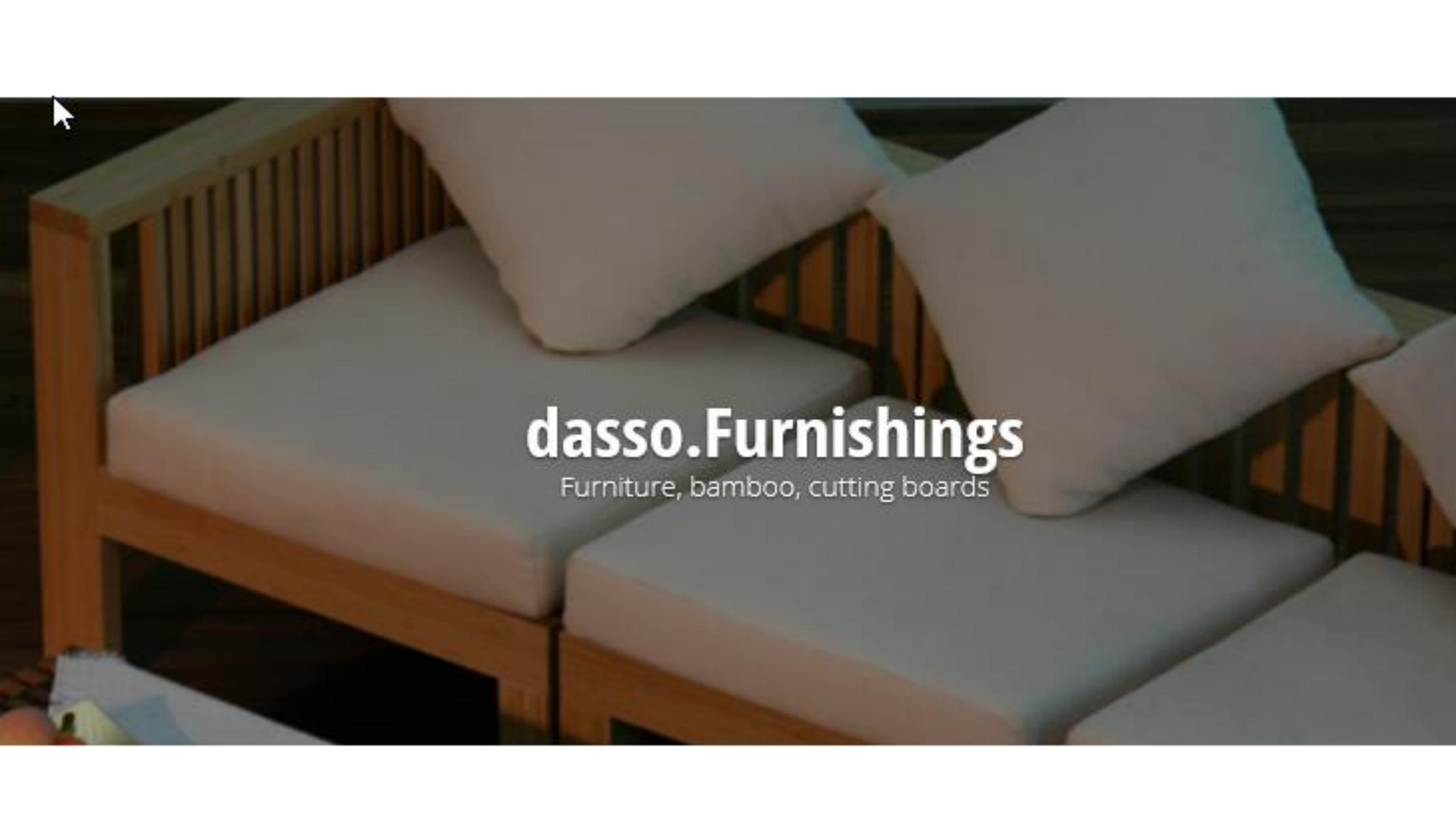












A stack of light-colored bamboo cutting boards with dark stripes, some with green accents, resting on a wooden surface.

dasso.Furnishings

Furniture, bamboo, cutting boards















dasso.Elements

Bamboo Veneers, Plywoods, and Countertops



刨切薄竹生产
Production of bamboo veneer







宝马X5、X6系列汽车内饰

Automotive Interior of BMW X5 and X6 series



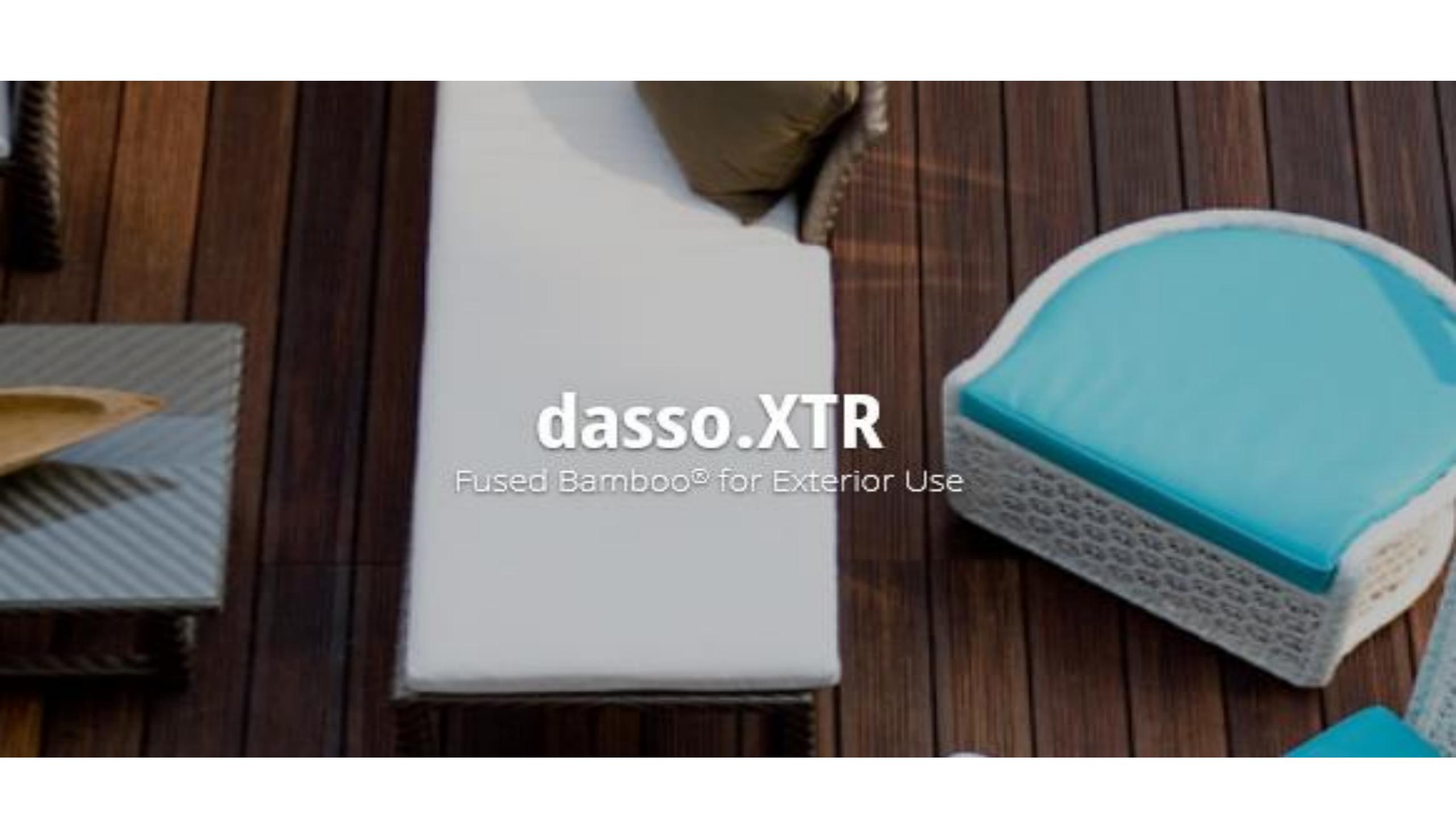
Toyota Showroom, Netherlands



Bamboo Kitchen in Thousand Island Villa



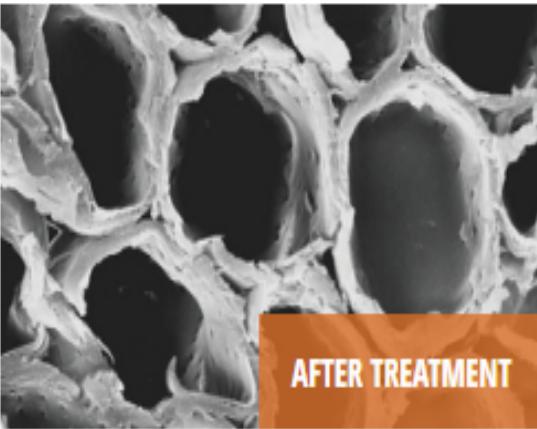
Bamboo Cabinets



dasso.XTR

Fused Bamboo® for Exterior Use

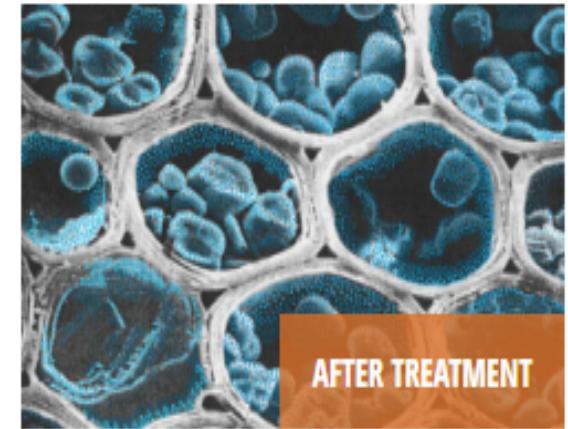
What are the principles behind the technology?



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.





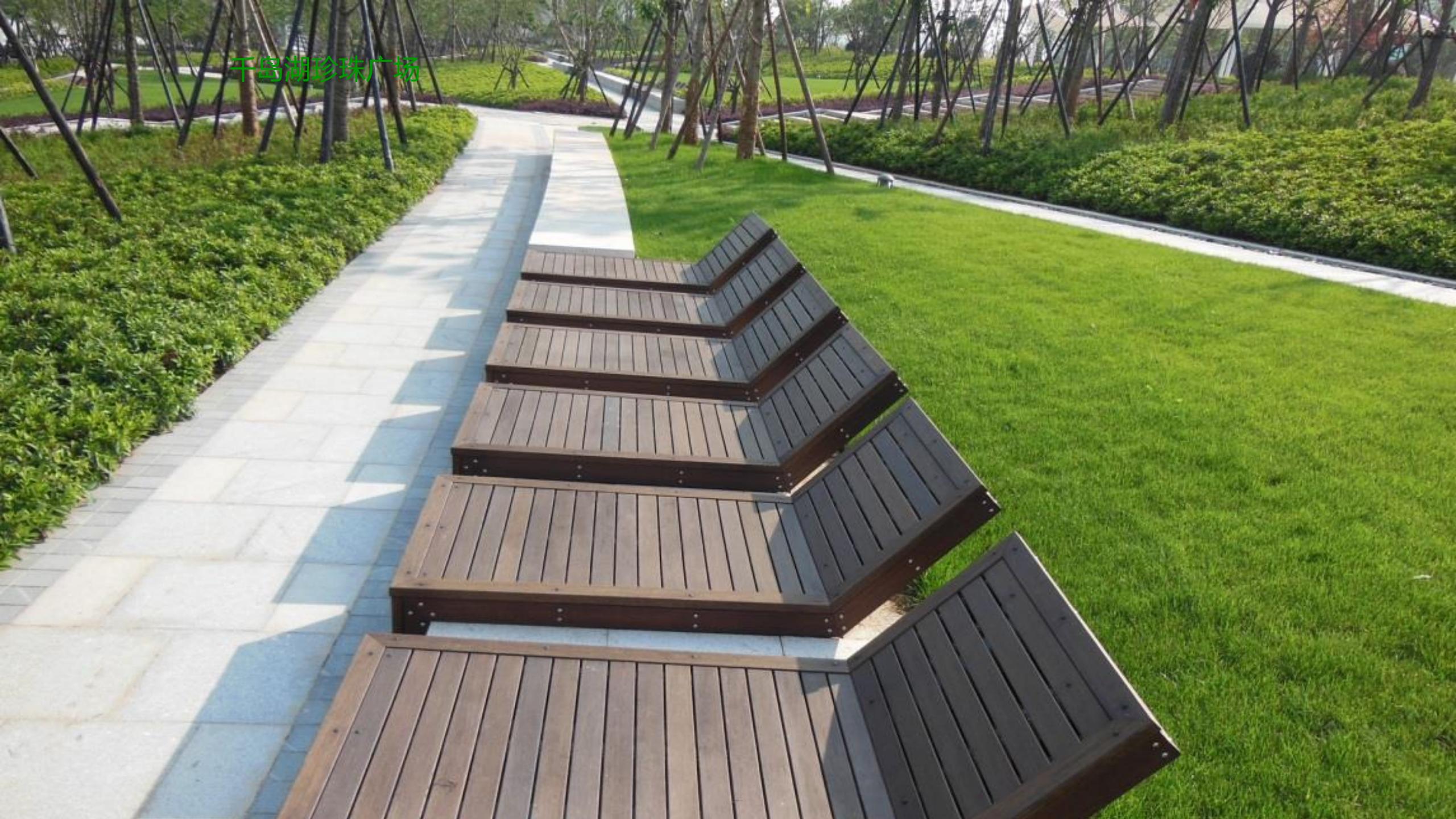








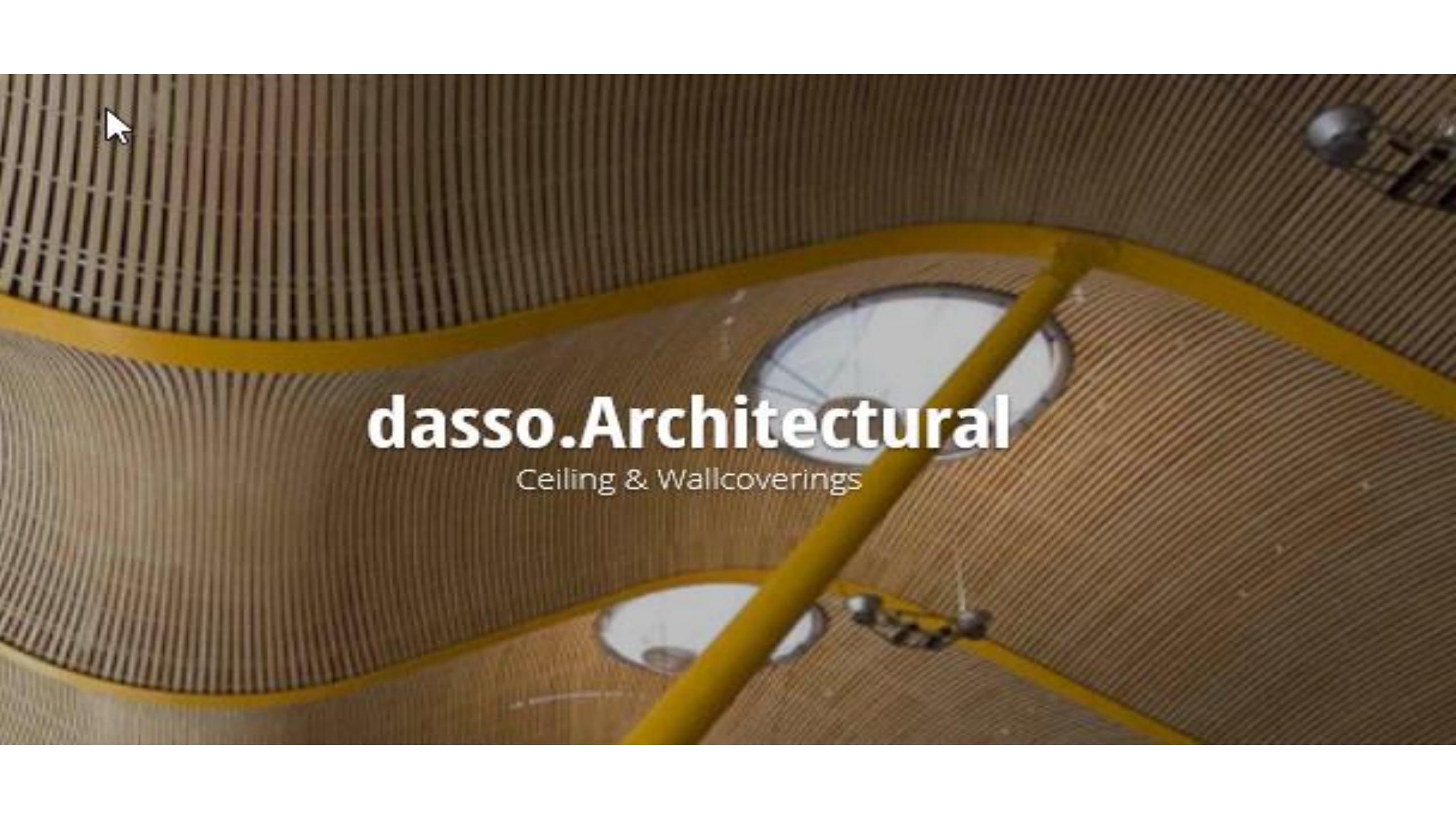
千岛湖珍珠广场











dasso.Architectural

Ceiling & Wallcoverings

848 847

846 845

844 843





→  Gates
Puertas   
  



887

888

889



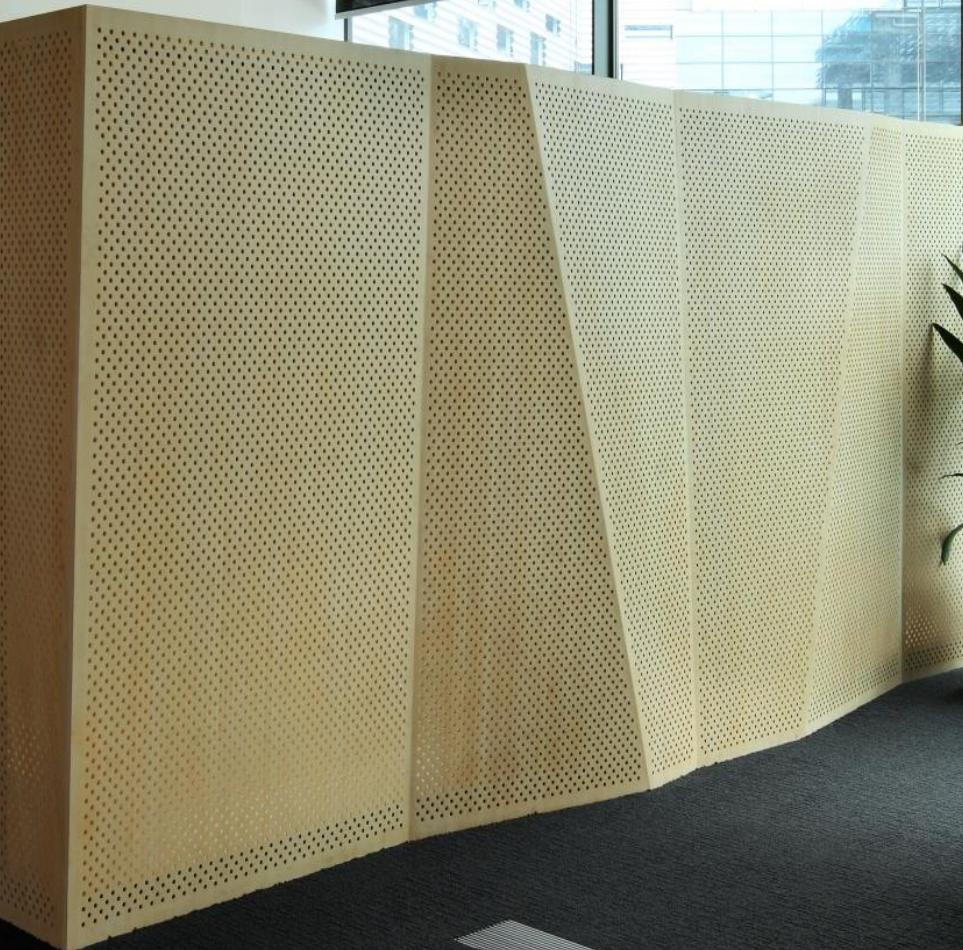
91





























多功能
Studio Theater

省会大剧院

Provincial Grand Theater









dasso.Innovations

Industrial & Commercial Applications





2008/02/08





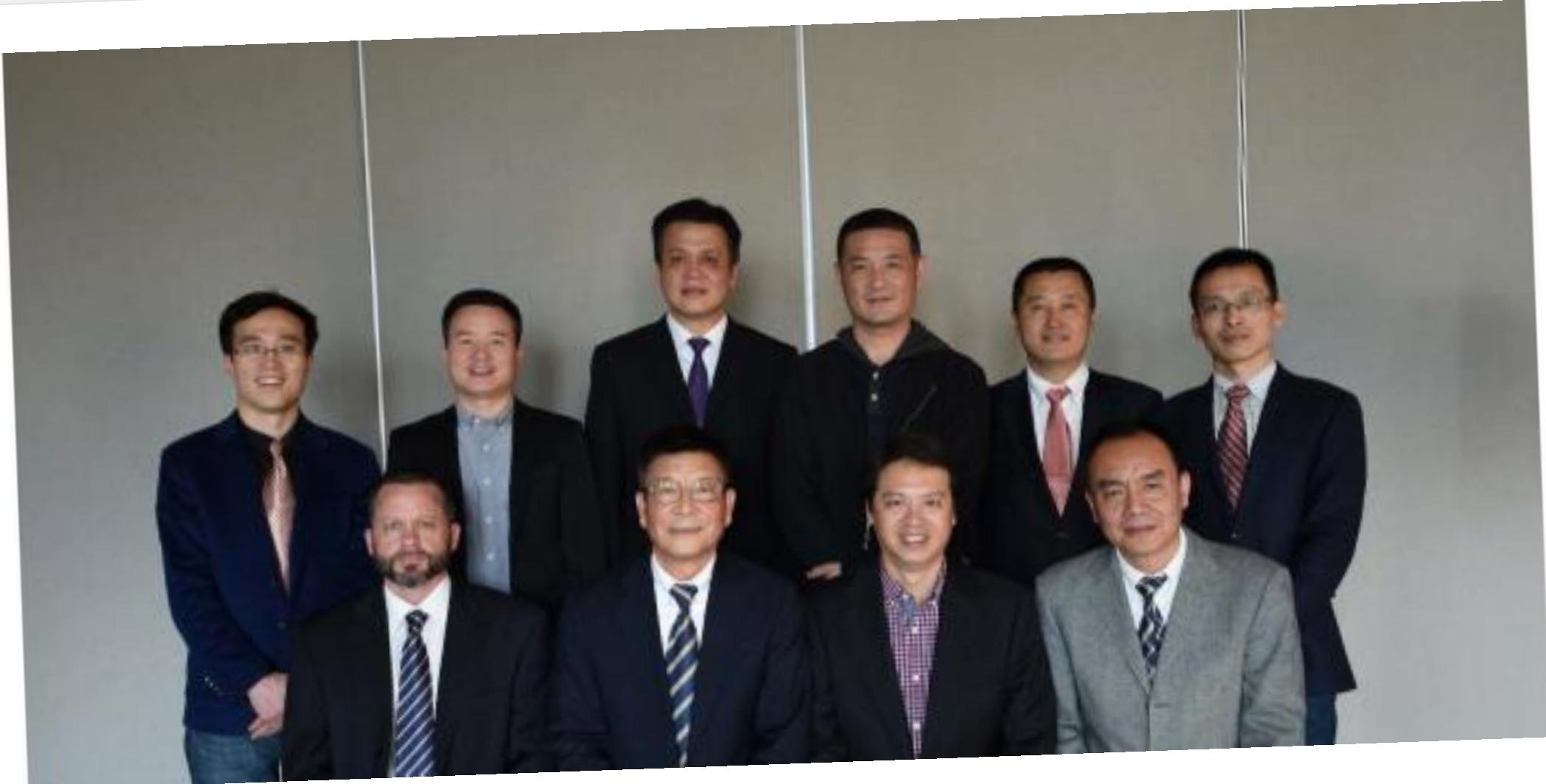
800KW竹制风电叶片安装
Installation of 800KW bamboo wind turbine blades



800KW竹制风电叶片安装

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

Competitive Material	dasso.XTR	Ipe	Meranti Mahogany	Southern Yellow Pine	Western Red Cedar
Density	1,100 kg/m ³	1,050 kg/m ³	730 kg/m ³	590 kg/m ³	410 kg/m ³
Strength (psi)	20,100	25,400	12,700	14,200	7,500
Stiffness (1,000psi)	2,103	3,140	1,612	1,510	930
Janka Hardness (lbs)	3,820	3,060	780	750	350
Insect & Decay Resistance	High	High	Low	Low	High (Heartwood only)

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



**STRONG
DURABLE
SUSTAINABLE
CLASS-A FIRE RATED**

 dasso.XTR

Panels are milled into decking, RainClad[®] siding,
porch flooring, lumber & more!

How is Fused Bamboo® Produced?



Features & benefits

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



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



2-SIDE GROOVED

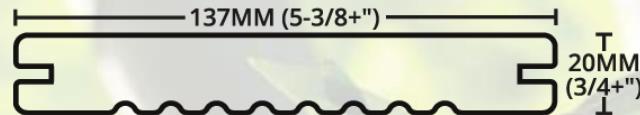
Use Hidden Fasteners



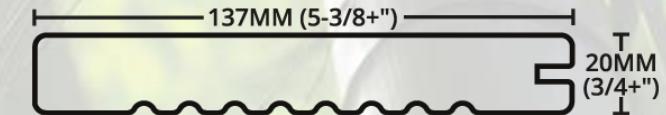
1-SIDE GROOVED

Edging & More

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



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



RECOMMENDED SPAN 12", 16", 24"

Off-joist installation only on span of 16" or less.
End-matched joint withstands a load of 100PSF



Fused Bamboo® Commercial Decking



END MATCHED



REVERSIBLE FACES
Smooth / Reeded



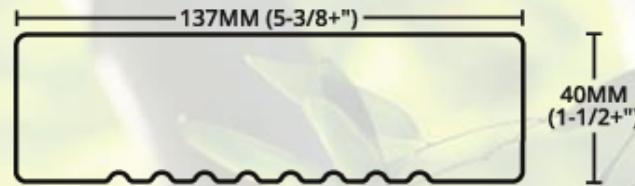
NO SIDE GROOVE

HEAVY DUTY USAGE

- Boardwalks
- Marinas
- Piers

 **dasso.XTR**

**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

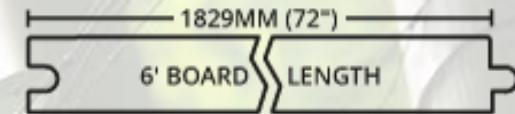
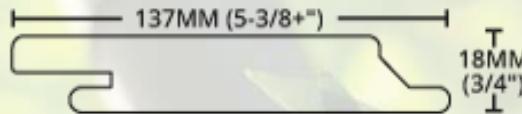


END MATCHED

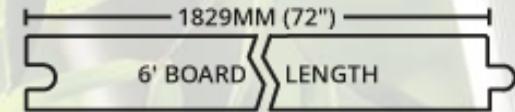
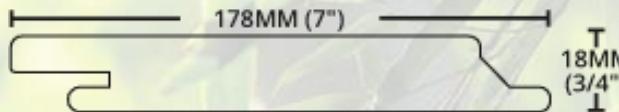
For Modular Fitting

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

**1 x 6 RainClad®
XTR-SID18-137TG-PP**



**1 x 7 RaidClad®
XTR-SID18-137TG-PP**



Fused Bamboo® Porch Flooring



REVERSIBLE FACES

Smooth / Reeded

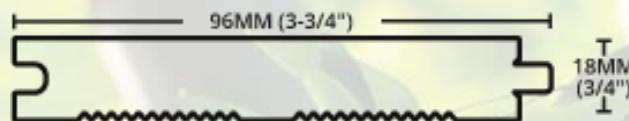


TONGUE & GROOVE

WHERE TO USE

- Covered Walkways
- Covered Porches

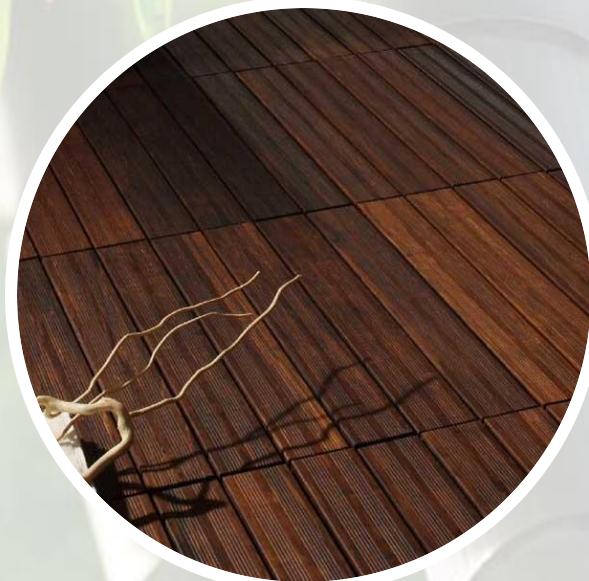
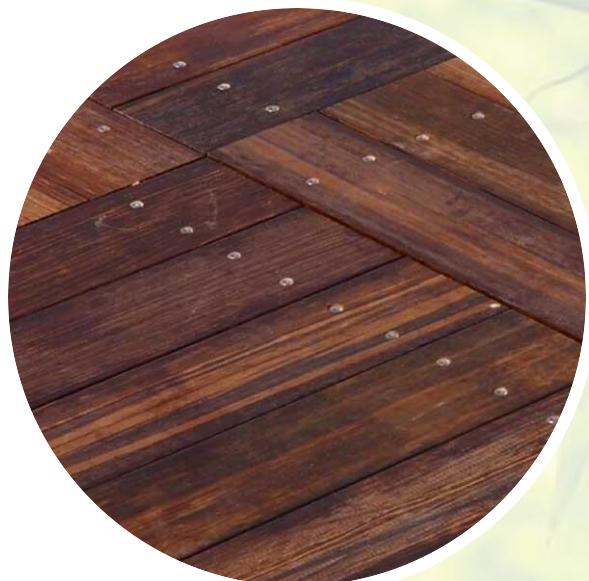
Porch Flooring XTR-POR18-96-PP



Fused Bamboo® Deck Tiles

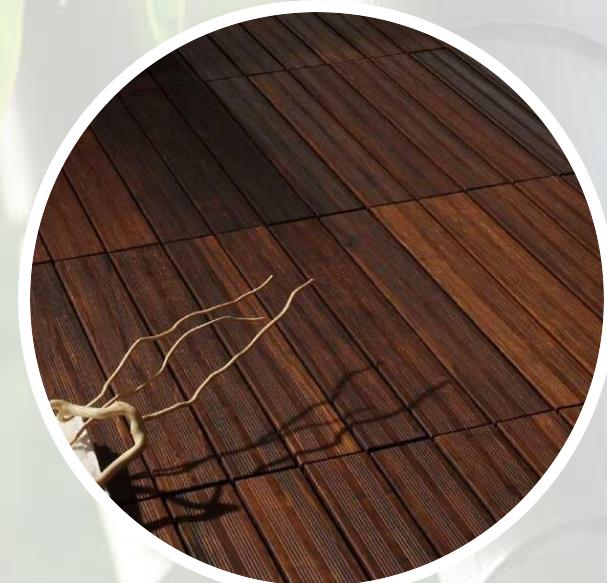
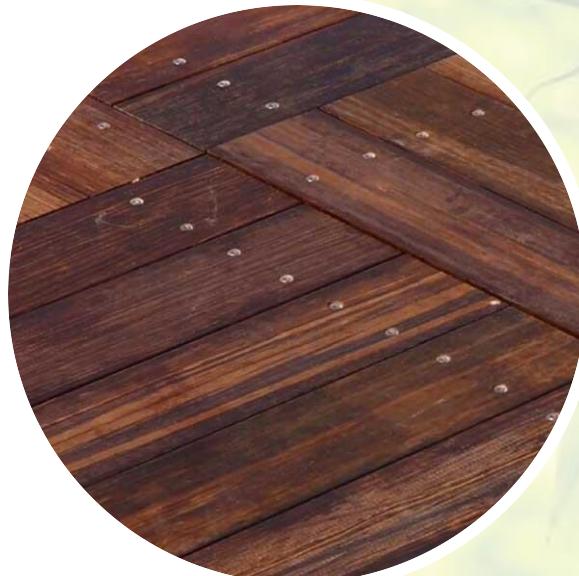
- Precisely Milled in Modular Design
- Speedy Installation

 **dasso.XTR**



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



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

HOW TO USE

- Furnishings
- Privacy screens
- Fences & gates
- Railings
- More...



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

