

TROPICITY

CAPACITY PROFILE

FACTORY

DUC TUONG CONSTRUCTION ARCHITECTURE COMPANY LIMITED

SD-1325CC

R-RP1000



VISION

- Maintain and sustainably develop a reputable brand in the field of design consultancy, construction, and project management of interior and exterior architectural works in Vietnam.
- Exporting wood and wood products from Vietnam to the world.

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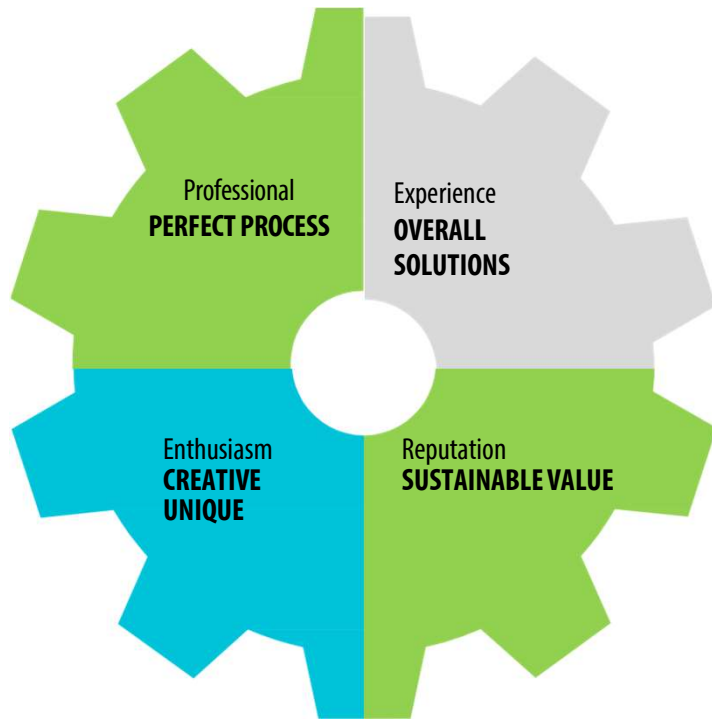
MISSION

Together build sustainable values.
Dedicated and responsible for the products
we bring to customers



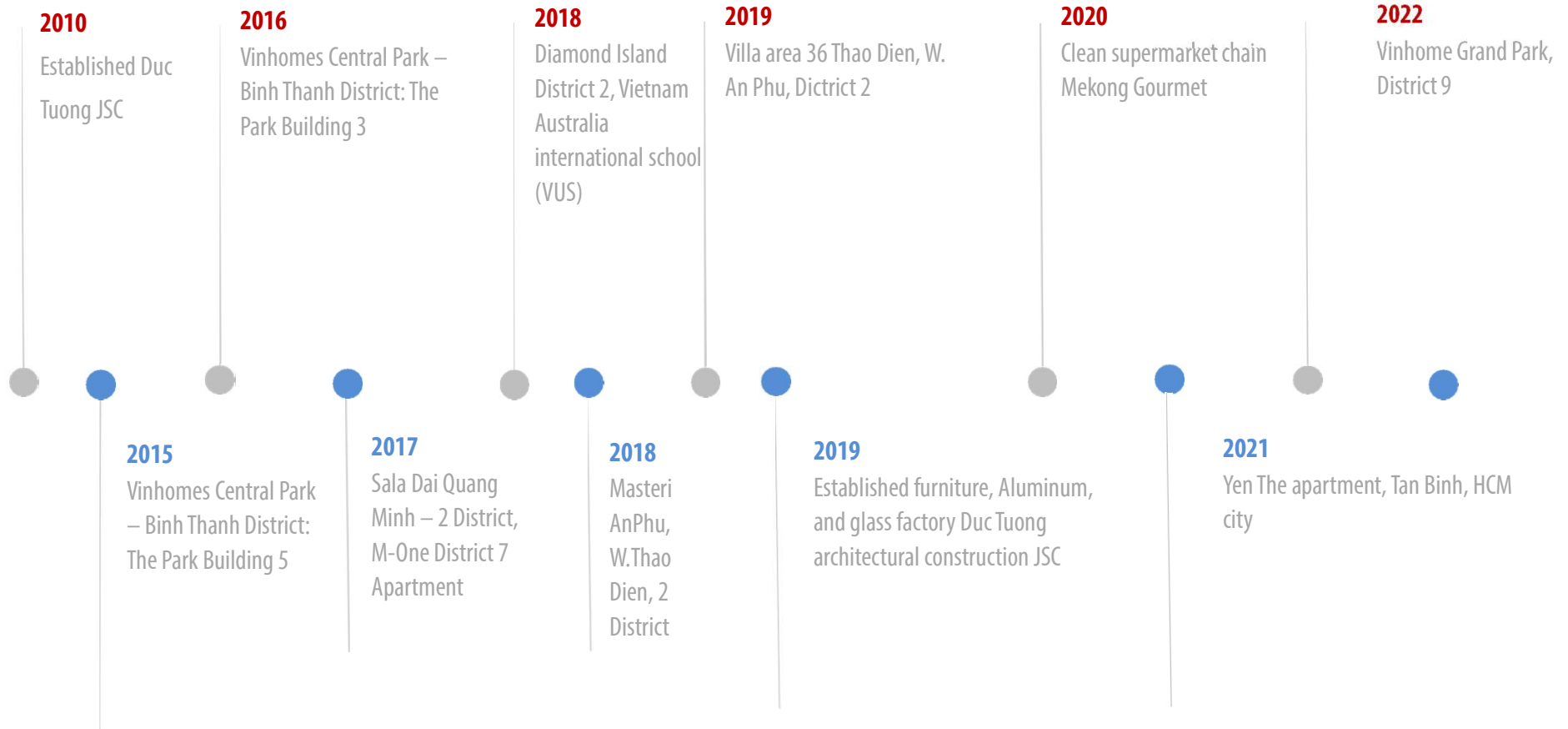
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CORE VALUES



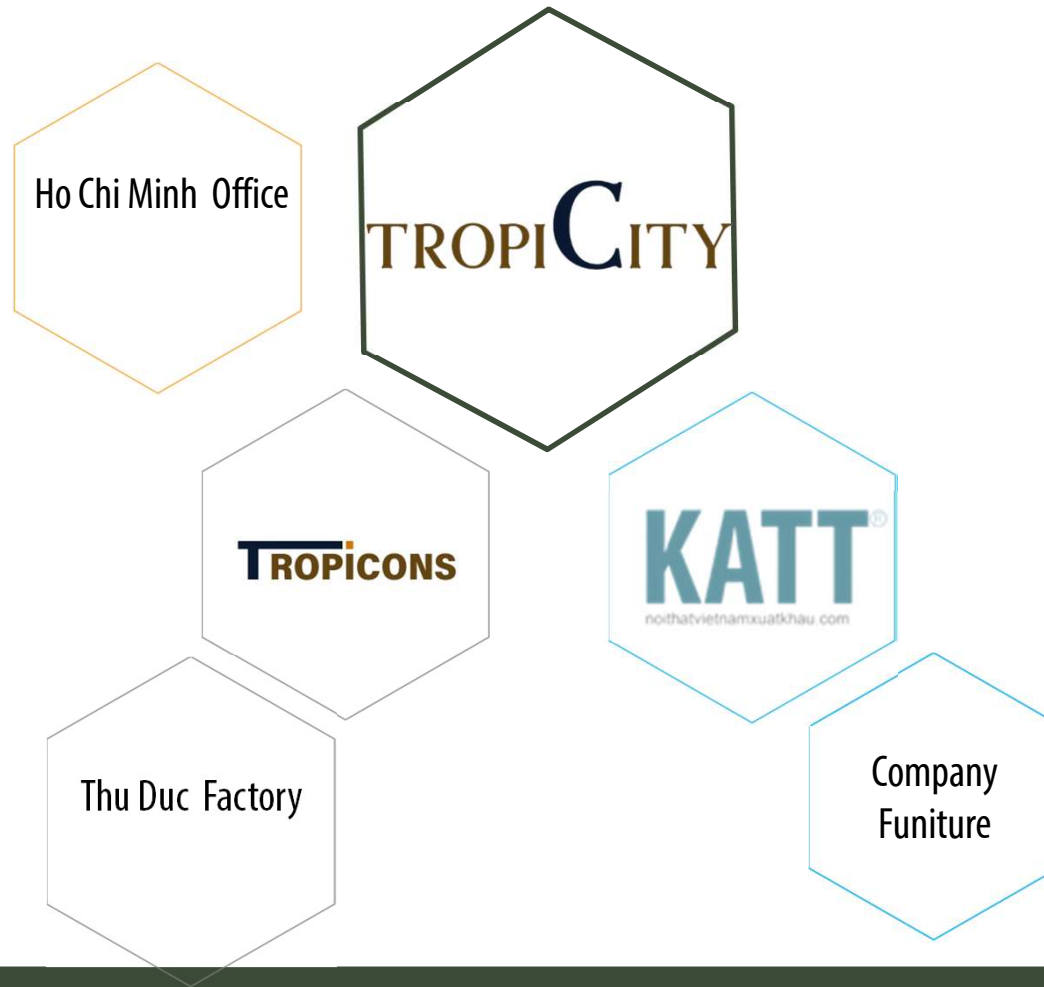
DEVELOPMENT PROCESS

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Organizational structure

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FIELD OF ACTIVITY

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Design Consultancy
And Interior Construction



Supervision consultants
And Project Manager



Furniture Production
And High-quality Materials

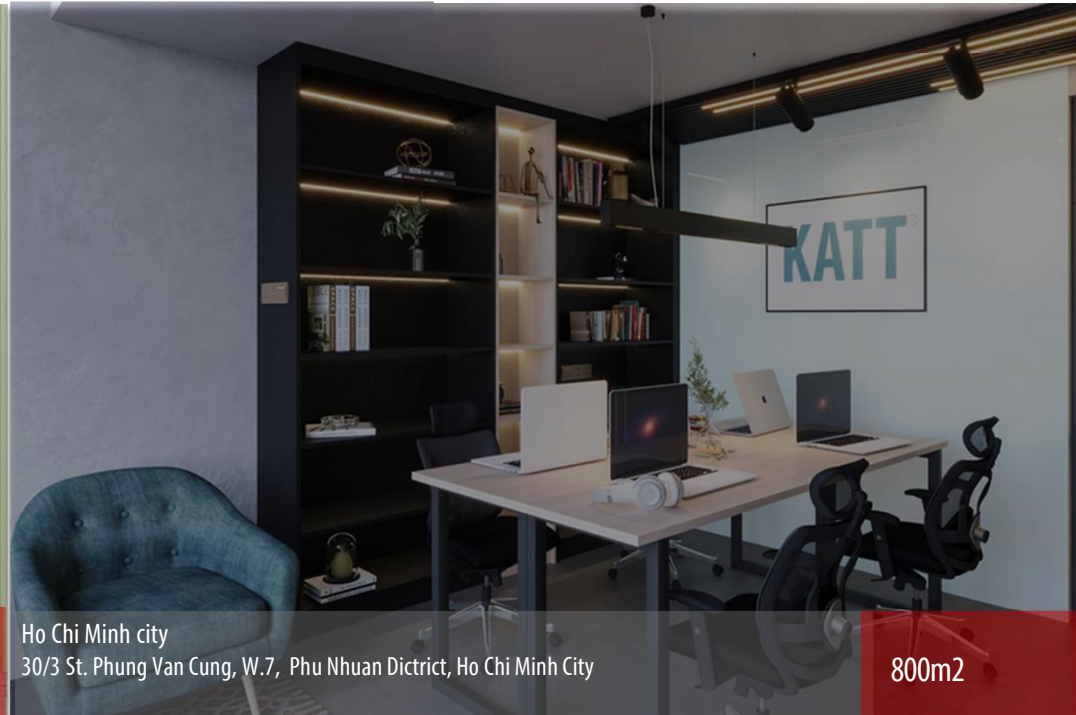
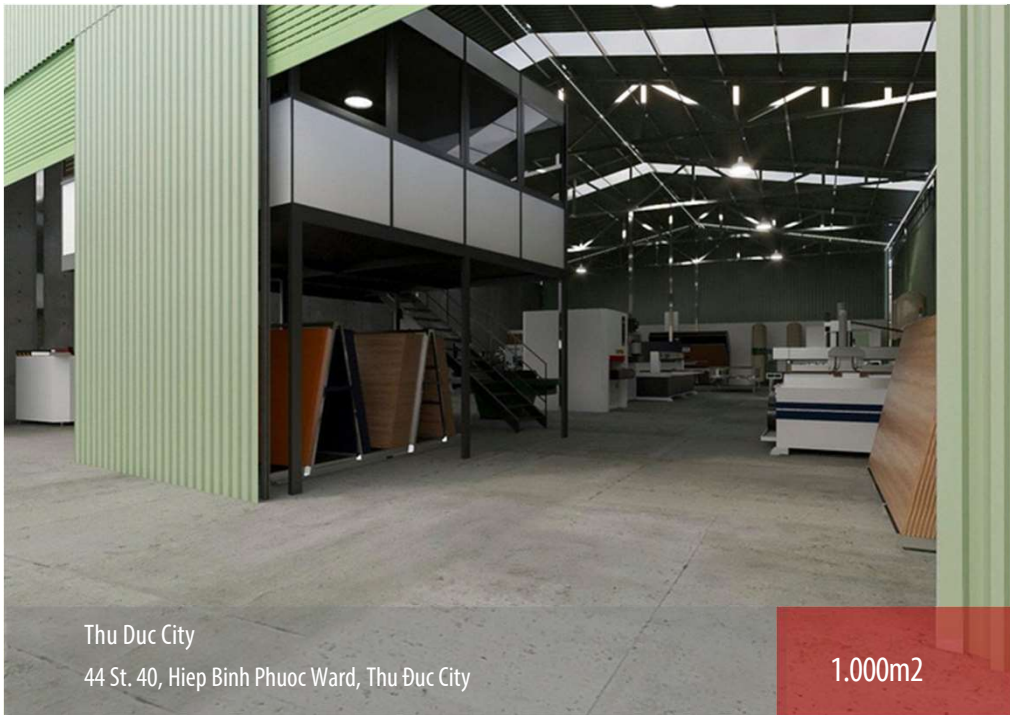
Customers

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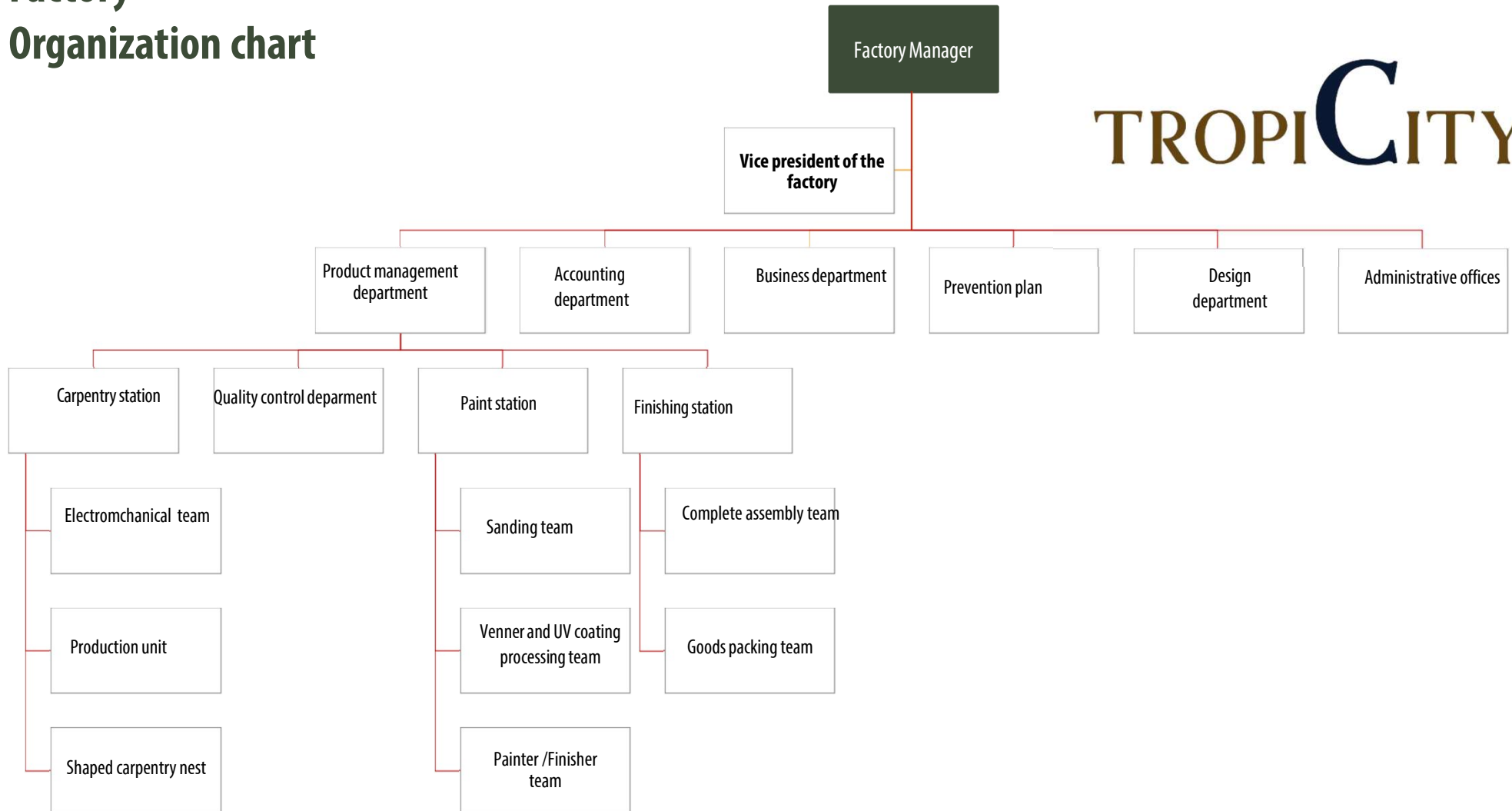
Address Of Company And Factory

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Factory Organization chart

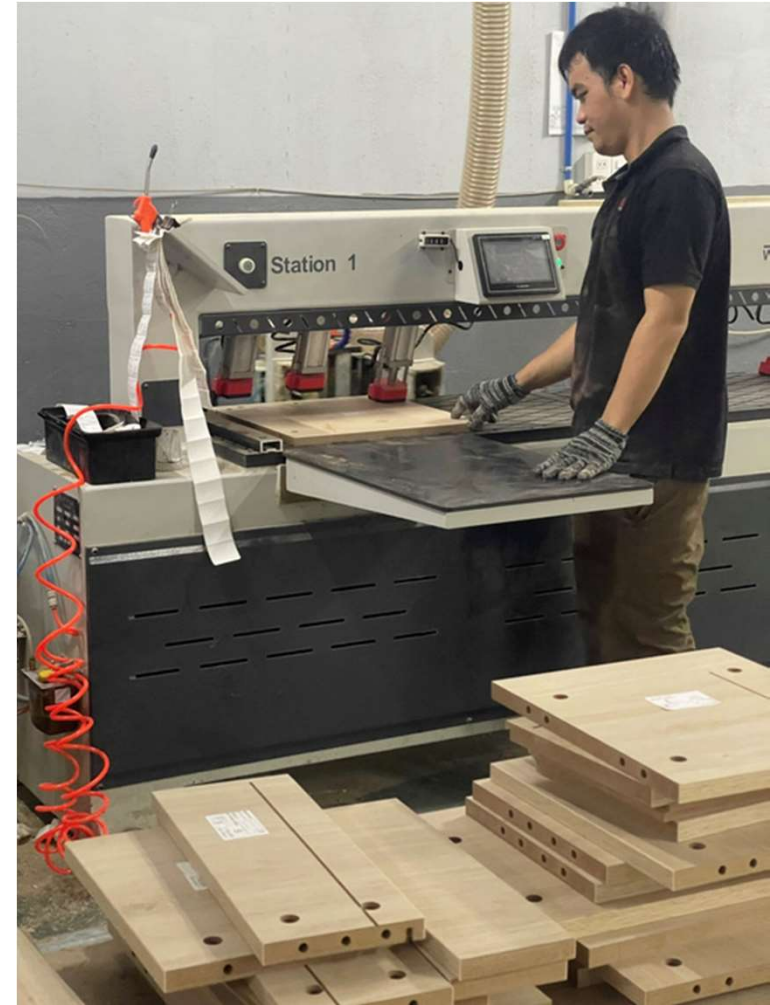
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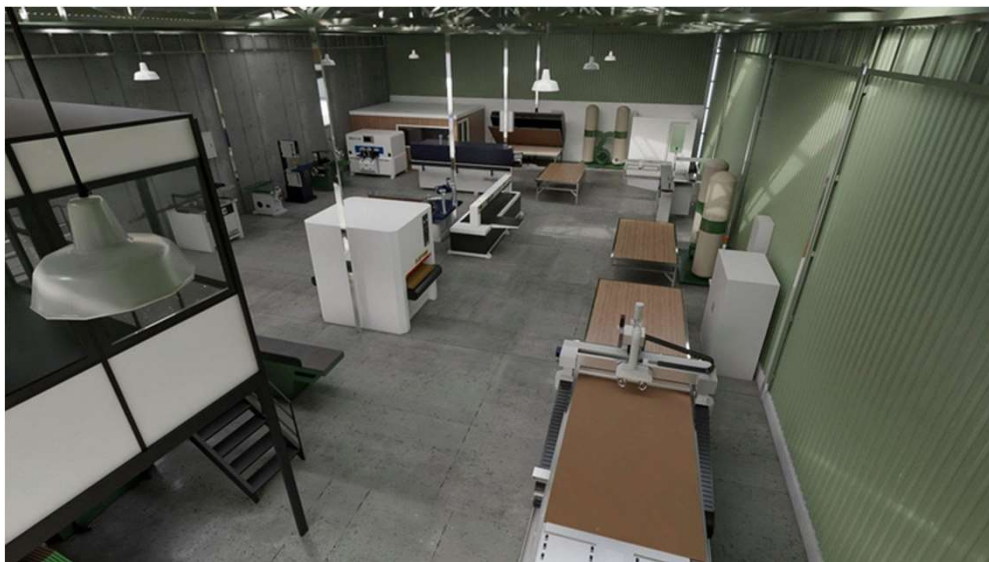
KATT[®]
noithatvietnamxuatkhu.com

FURNITURE SERVICES JOINT
STOCK COMPANY





Factory in Thu Duc City



KATT[®]
noithatvietnamxuatkau.com

Atmosfera
Headquarters
Factory in Thu Duc City Atmosphere



Competitive advantage

1100 chairs per month

530 standard kitchen cabinets per month

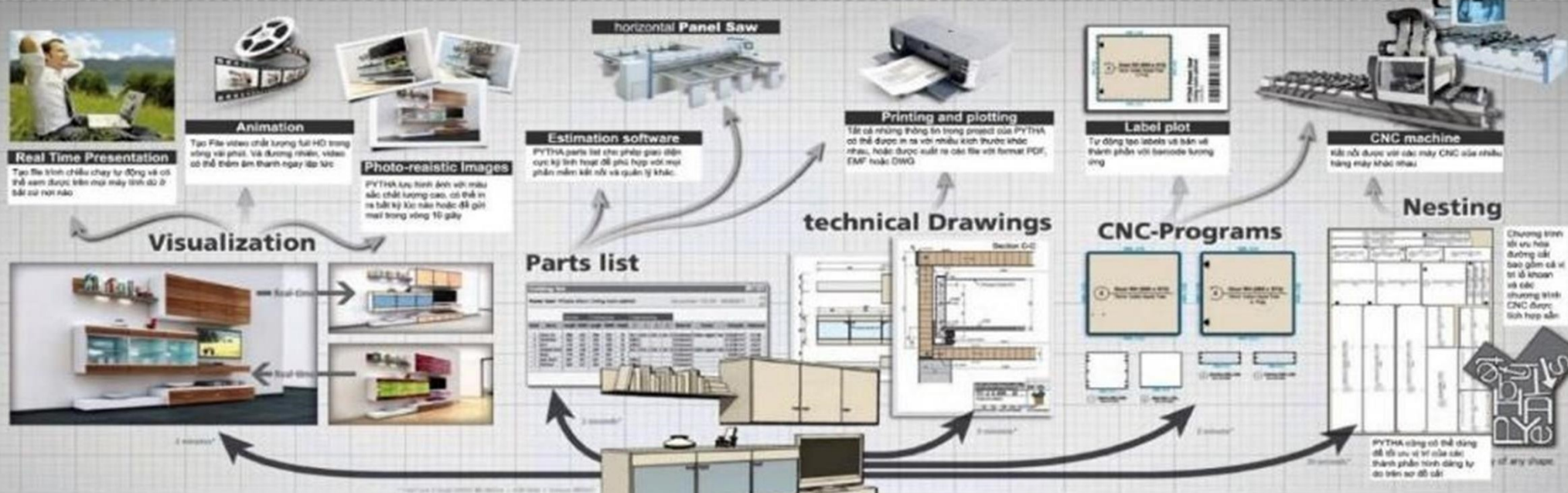
650 m2 UV coating/day

1300 sets of doors per month



Machine lines are imported from Taiwan, Germany, Spain, Poland...with an area of up to 400m².

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Với PYTHA, bạn đã chọn cho mình một phần mềm sinh dẫn nội thất trực quan chất lượng cao. Không chỉ là tạo ra hình ảnh nội thất thực tế chất lượng cao trong một thời gian ngắn mà còn tương tác trực tiếp với chúng. Bước ngang chúng. Điều này nghĩa là, cùng với khách hàng, bạn có thể kiểm tra thiết kế của bạn ở mọi góc độ. Thử nghiệm với nhiều nguyên vật liệu khác nhau, mở các cửa bằng 1 cái bấm chuột. Giúp bạn có một buổi trình chiếu hoàn hảo.

PRESENTATION

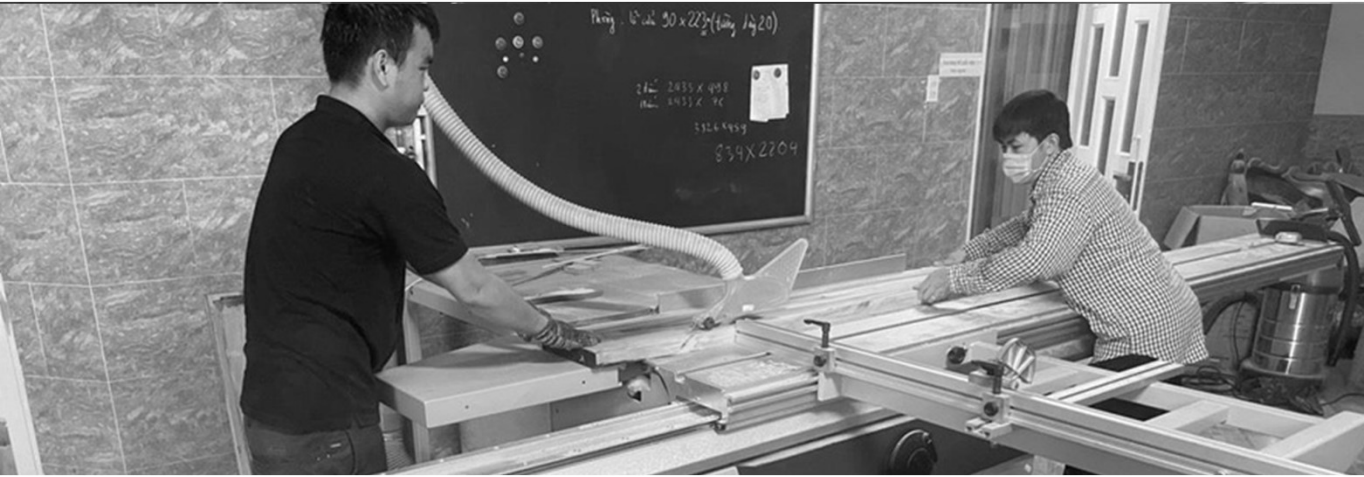
Sau một thời gian ngắn, bạn có thể lên kế hoạch chi dự án của mình một cách nhanh chóng và chính xác, trong môi trường 3D! Giao diện sử dụng dễ dàng và các công cụ triển khai giúp bạn mang tất cả thiết kế nào về thành thực tế

PLANNING

PYTHA sẽ tạo ra chương trình chạy máy CNC cho bạn giúp công việc của bạn trở nên thuận tiện hơn bao giờ như những hôm.

PRODUCTION

Design software system product **CABINET VISION** is synchronous and flexible.



Every stage of production is controlled by a **quality process**

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The testing phase of fire door
according to **QCVN 06:2010/BXD**.

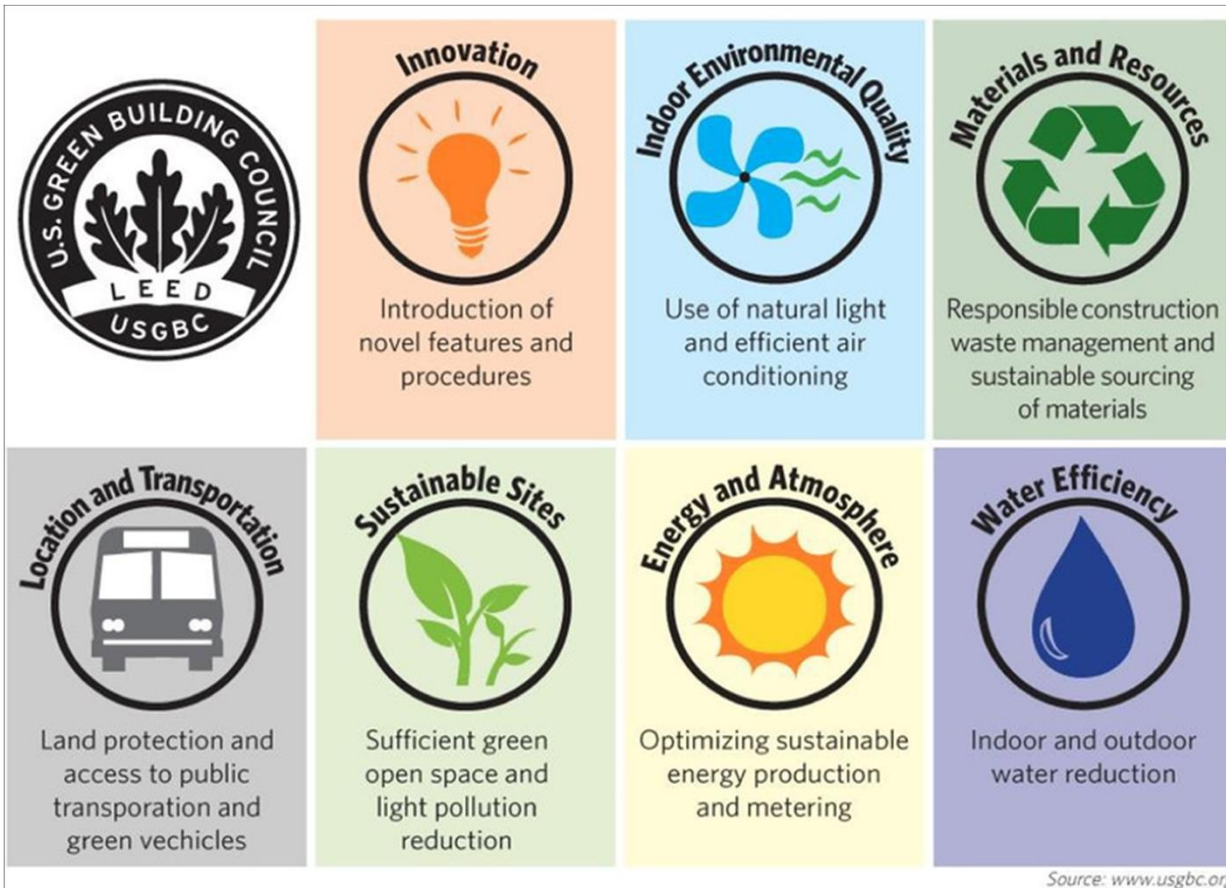
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Standard Factory

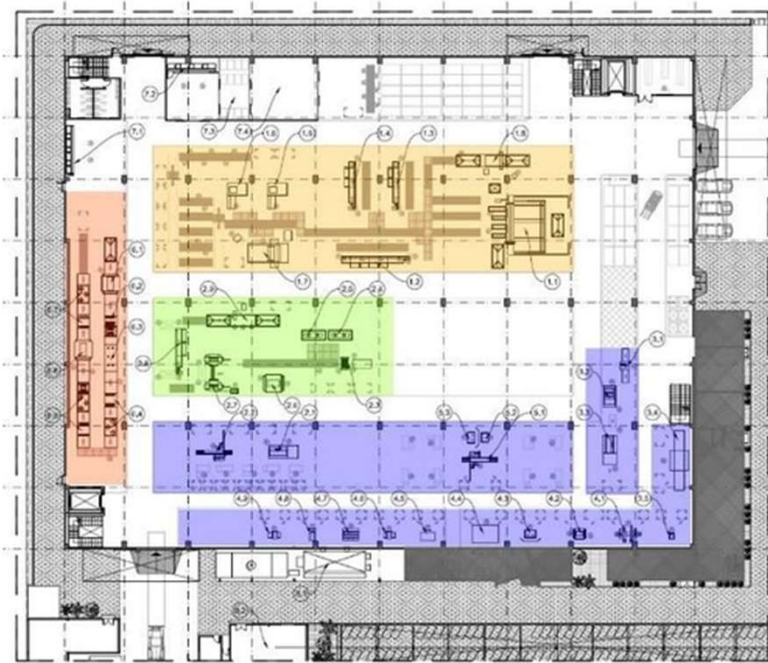
LEED

(Leadership in Energy & Environmental Design) is a certificate for green building issued by the Green Building Council in the US(1995).

This is the pioneering international standard for building energy-saving and environment-friendly buildings



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PRODUCTION LINE

Factory production line



Panel saw cutting machine



Automatic edge banding machine



CNC machining centers

Door product line



2-sided Glue roller machine



Cold press machine



Sanding machine



Double head milling cutter



Automatic gluing line



CNC door routing

Production line for furniture - natural wood



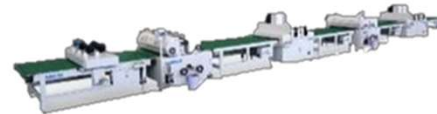
Wood processing line



Wood reeving line



Automatic UV lamination coating line



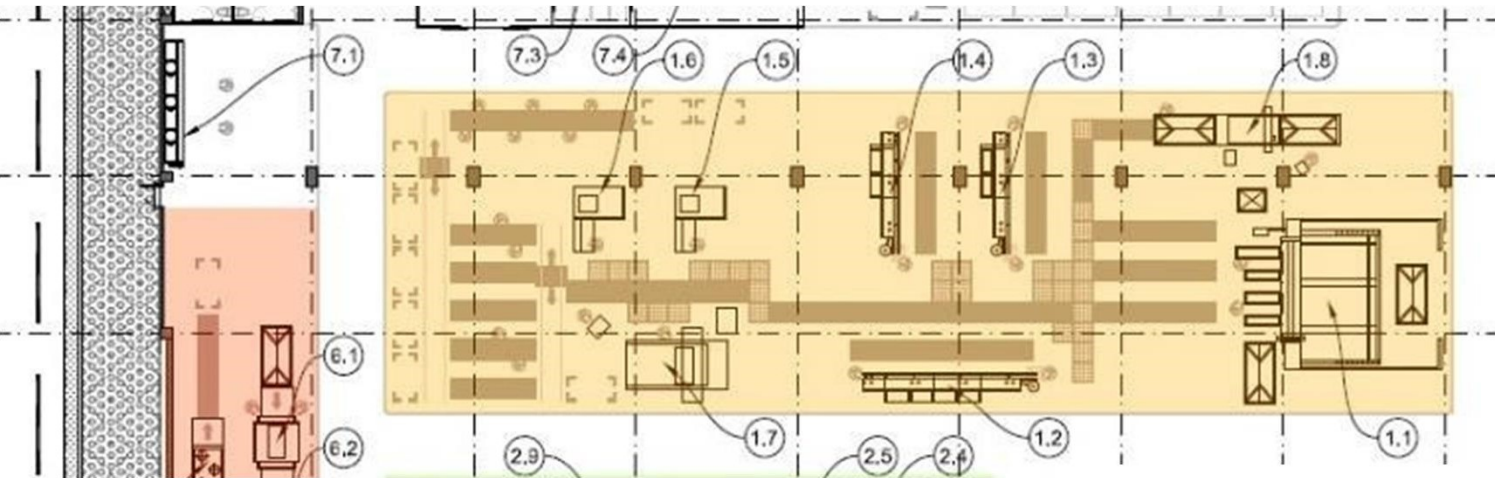
Automatic UV lamination coating line



Piano surface sander



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PRODUCTION LINE

WOOD PANEL

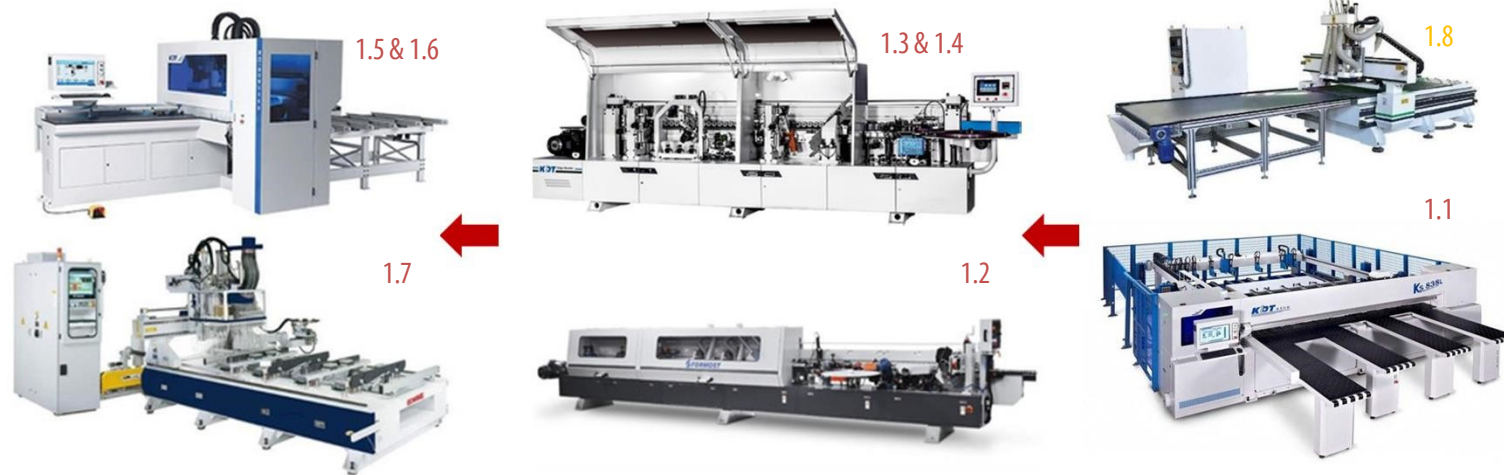
1.1: CNC plank cutting machine-Automatic board leveling
1.2: Automatic edge banding machine-glue straight edge and cut edge

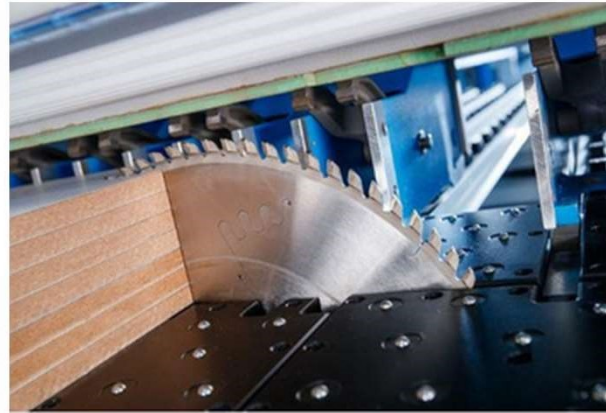
1.3&1.4: Automatic edge banding machine

1.5&1.6: CNC milling drilling machine-machining six sides of the board

1.7: CNC machine centers

1.8: CNC nesting machine





Main saw blade height up to 120mm
(6 boards 18mm)



Automatic barcode stamp printing

Automatic board leveling

CNC board cutting

machine

- 250 - 300 planks/ day.
- The automatic lift is controlled by the sensor, stable when lifting and feeding the board according to the program.
- Cutting diagrams are automatically programmed using Bazis production design software.
- Main saw blade and termite saw blade controlled by independent lifting system, precisely determine where to start cutting according to board size, reducing saw blade or free time.
- The bait saw blade is controlled up and down, in and out computer, reducing the time to change the saw blade.

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Inclined Side Processing Flow Chart

Partially Inclined Side Processing Flow Chart



Automatic edge banding machine, straight edge banding and beveled edge banding machine

- Quick function change between beveled edge banding and straight edge banding.
- Just stick the edge without glue, less glue, no glue flow, high aesthetic, suitable for acrylic products.

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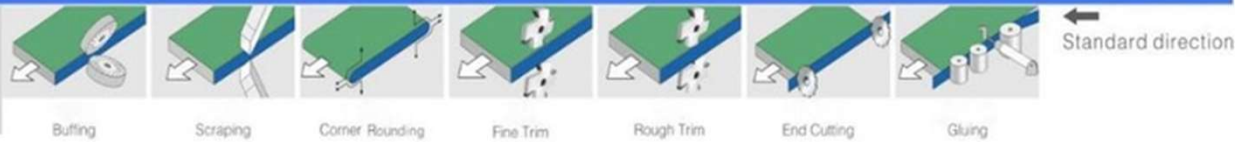
Set of corning functions

Automatic edge banding machine

- Boarding edge function: KDT's exclusive patent, precise configuration, ensure processing efficiency
- Feeding speed: 15-23m/min
- Glue temperature control function: preservation temperature can be set.
- When the device is set to idle, it will automatically enter the shutdown heat preservation function state, saving energy and reducing the carbonization of the glue.



Function diagram



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Processing 6 sides of the board



Read barcode stamps

CNC milling machine (Processing 6 sides of the board)

- Drilling/milling of six boards at the same time.
- Machine speed: 75/30m/min.
- Workpiece feeding and unloading functions: front in and out, front in and back out and back
- Read barcode stamps to download machining programs..
- Workpiece clamping function and pneumatic blowing operation table for precise machining and no scratches on the board.

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CNC machining centers

- Automatic tool change according to the machining program.
- The power 9kw motor can process industrial and natural wood
- Automatically get the origin according to some machining programs
- The 360-degree tool head can handle complex parts.
- Read barcode stamps to download the program.



Woodmaster.com.vn



360-degree machining head



Read barcode stamps



Automatic tool chnnger

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Automatic feeding of planks



Read barcode stamps



Four CNC machine heads

CNC Nesting

- Automatically feed planks and deliver semi-finished products.
- Four high-speed CNC machining heads.
- Cut and trim the board at the same time.
- Read barcode stamps to download machine programs.

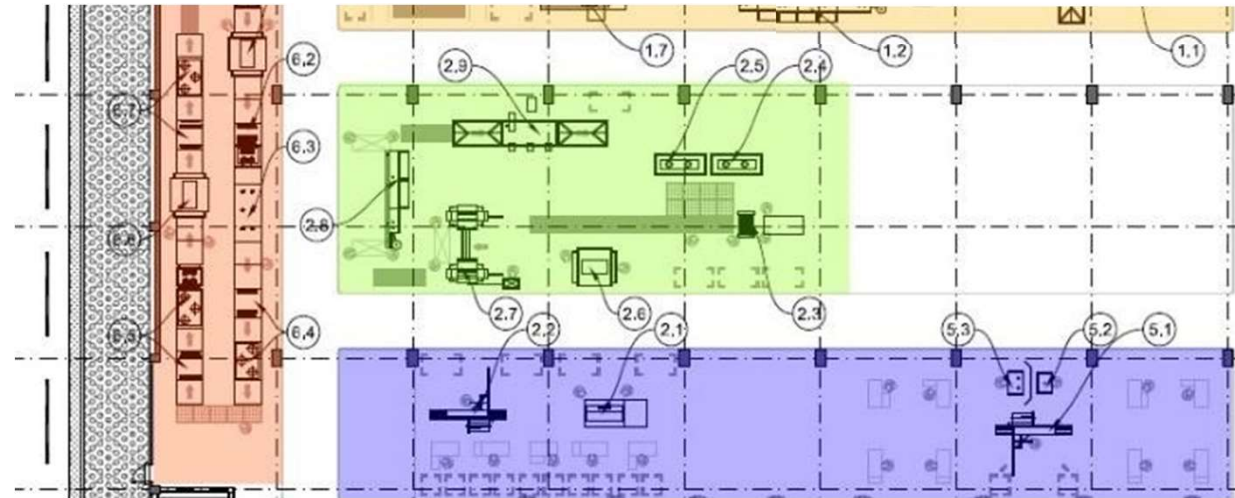
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PRODUCTS OF THE PLYWOOD PRODUCTION LINE

PRODUCTION LINE DOOR

- 2.1: Multi-blade sawing machine
- 2.2: Sliding table cutter
- 2.3: 2-sided Glue roller machine
- 2.4 & 2.5: 100-ton cold press machine
- 2.6: Felder "MVP 300" Membrane Press
- 2.7: 1300mm wide barrel sanding machine
- 2.8: Automatic two-head milling cutter
- 2.9: Automatic edge banding machine
- 3.0: CNC accessories lock punching machine



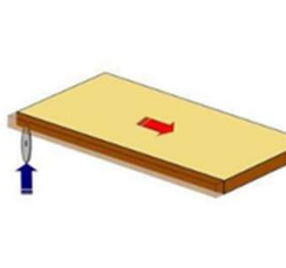
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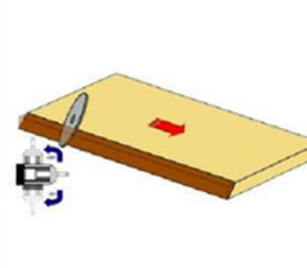
Main saw system



Lure saw system



Precision guide bar

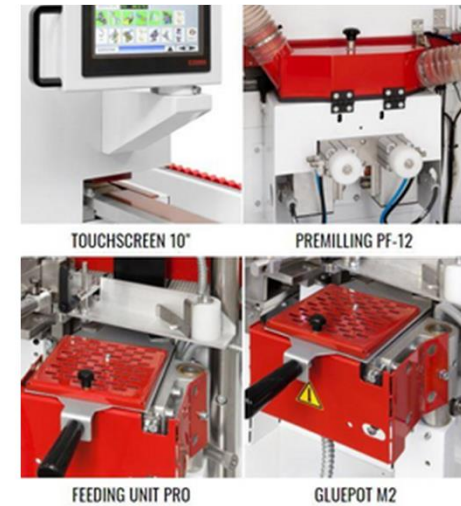


Milling system

Automatic Double Head Milling Cutting Machine

- Precision guide bar; The moving machine assembly is placed on a linear guide bar, ensuring absolute precision when machining.
- Equipped with wear-resistant metal bearings.
- The bail door system: has the ability to tilt the blade 90-degrees
- Main saw system: capable of tilting the blade 90 degrees.
- Play system: equipped with high-power, capable of tilting the hole 90 degrees.

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Automatic Edge banding machine

- Made in Spain.
- Maximum matching height 60mm, suitable for door products...
- Feeding speed: 14m/min



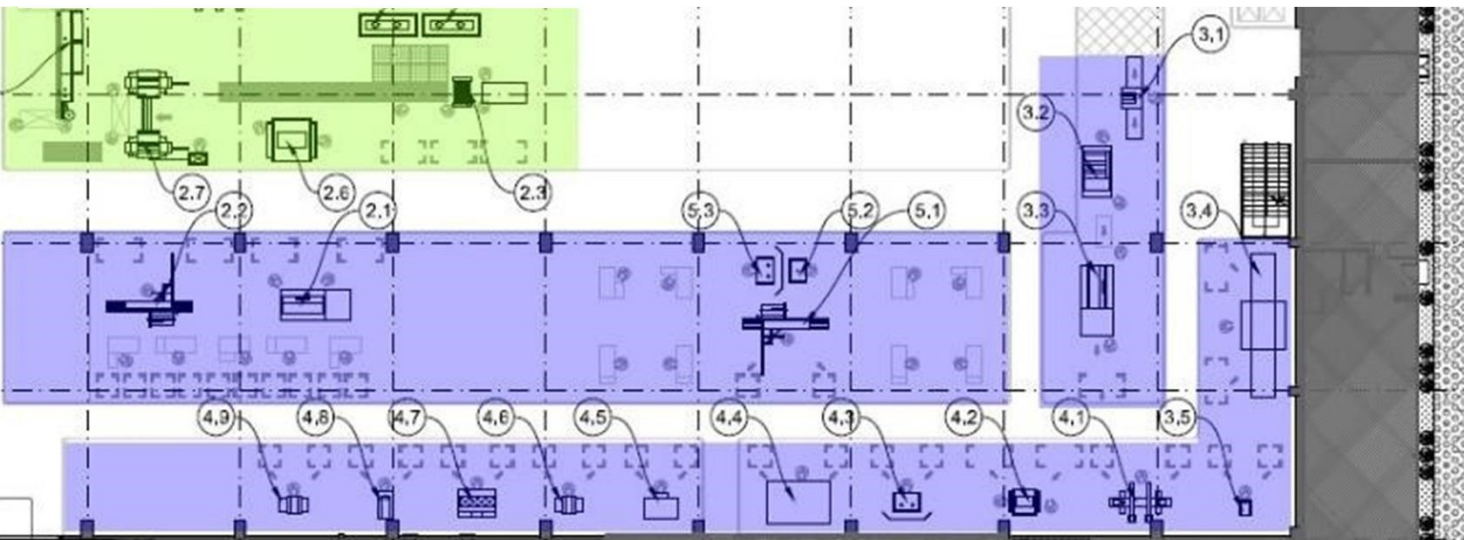
Felder "MVP 300" Membrane Press

- Working temperature up to 50° C
- Working vacuum max. -0,9 bar
- Working pressure 9000 kg/m²
- Thickness of caoutchouc membrane 3 mm
- Elasticity of membrane 700 %.
- Pressing cycle with heating 50° C: 3–5 min
- Power of vacuum pump 25 m³/h
- Pressing area 3000 x 1150 mm.
- Dimensions mm (L x W x H): 3050 x 1350 x 1600
- Weight (kg): 360



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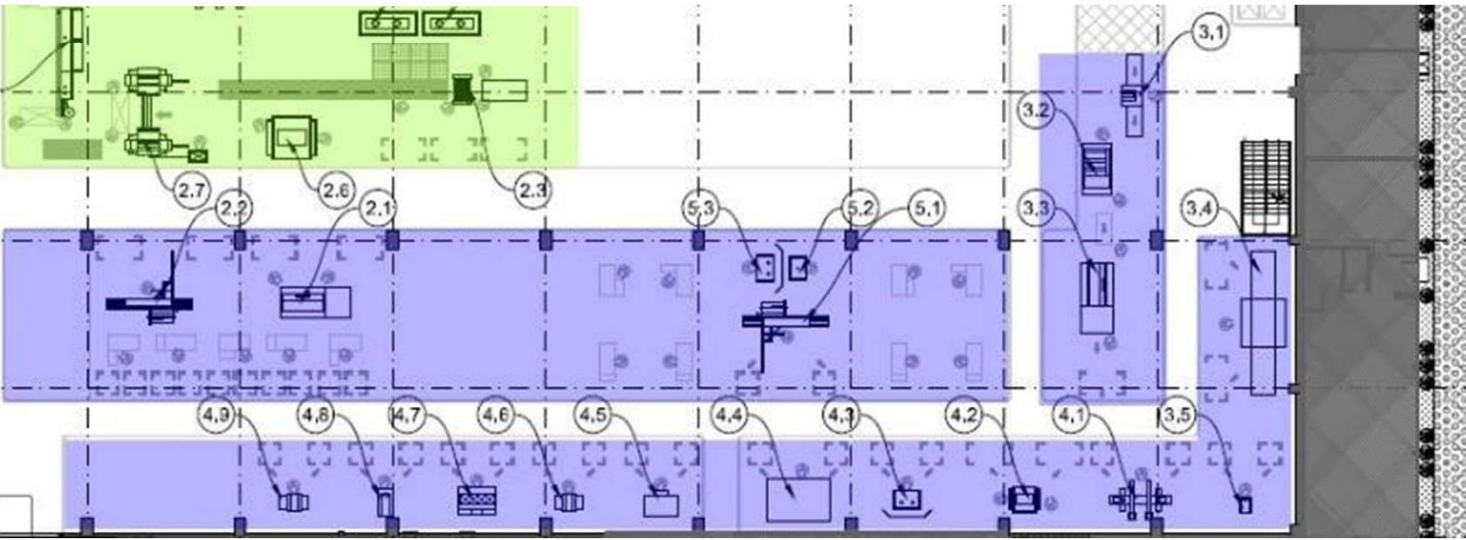
BULK PRODUCTION LINE



- 3.1: Steam short cutting machine
- 3.2: Double-sided planer
- 3.3: Lower blade saw
- 3.4: High frequency band wood joiner machine
- 3.5: Vertical throat saw machine
- 4.1: Double head cutter
- 4.2: 600mm wide barrel sanding machine
- 4.3: Two-axis typist
- 4.4: Photocopy machine

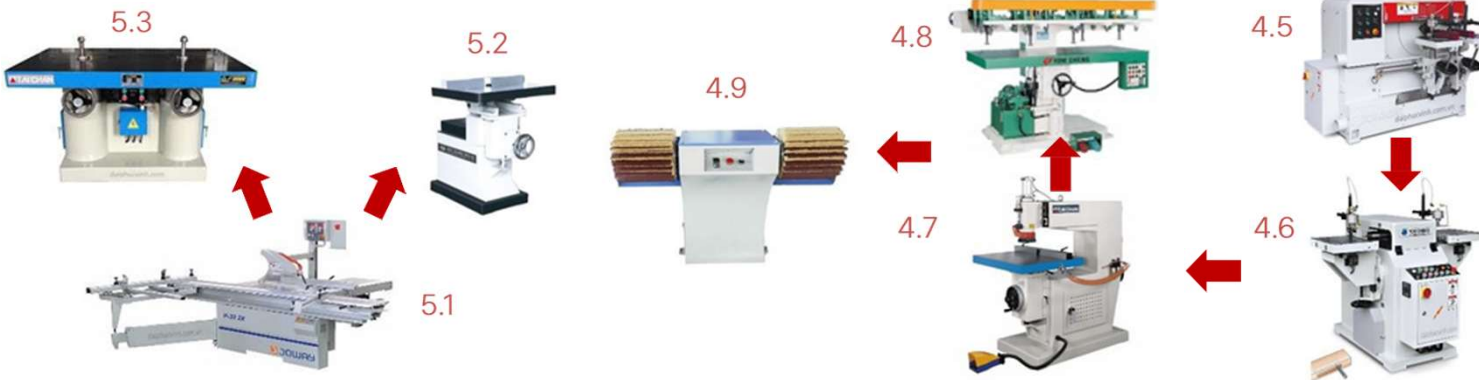


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BULK PRODUCTION LINE

- 4.5: Yang farming machine
- 4.6: Sound mortise machine
- 4.7: Multi-bit drill
- 4.8: Standing router machine
- 4.9: Bud sanding machine
- 5.1: Sliding table cutter
- 5.2: Lower blade router machine
- 5.3: Two-axis tupi machine



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PRODUCTS OF BULK PRODUCTION LINE

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PRODUCTION LINE

AUTOMATIC UV LAMINATION PAINT

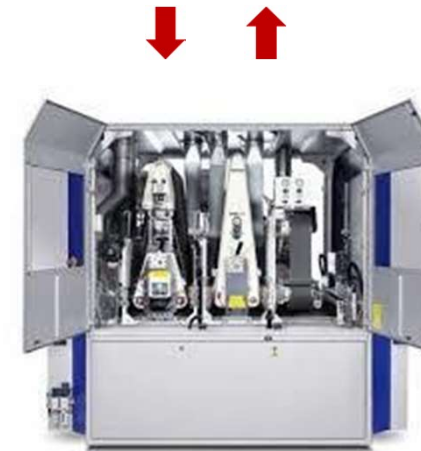
- 6.1: Two-axis piano surface sander
- 6.2: Two-axis color laminating machine
- 6.3: IR Dryer
- 6.4-6.5-6.7: Two axis UV laminating machine and three-lamp UV drying machine
- 6.6: Three-axis piano surface sander



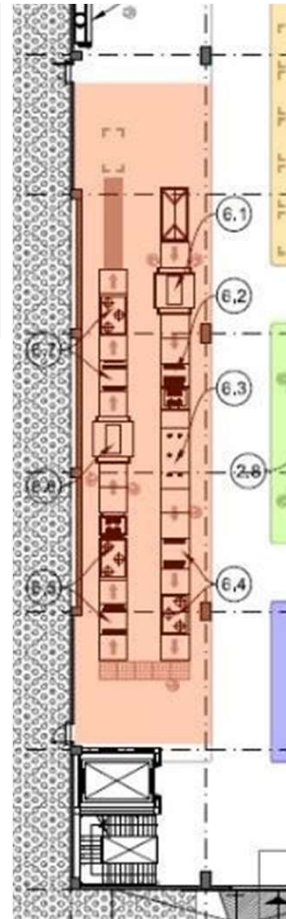
6.2 > 6.5 & 6.7



6.1



6.6



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Two-axis/three-axis piano surface sander

- Made in Germany.
- Workpiece recognition (Piano Technology) Ultra-sensitive sensors with a very small distance (21mm) will recognize the shape of the workpiece before it is put into the machine and provide data about the shape, size, and position of the workpiece on the conveyor belt to finish.
- Pressure beam from CSD®: Precise control of sanding pressure determines superior sanding quality. The highly sensitive CSD sensor system receives data from the workpiece recognition sensor for accurate calculations of required pressure.
- Sanding surface thickness can be precisely controlled to <math>< 1\text{mm}</math> with highly sensitive sensors that control the surface of the workpiece.



Contact roller



Cross sanding unit

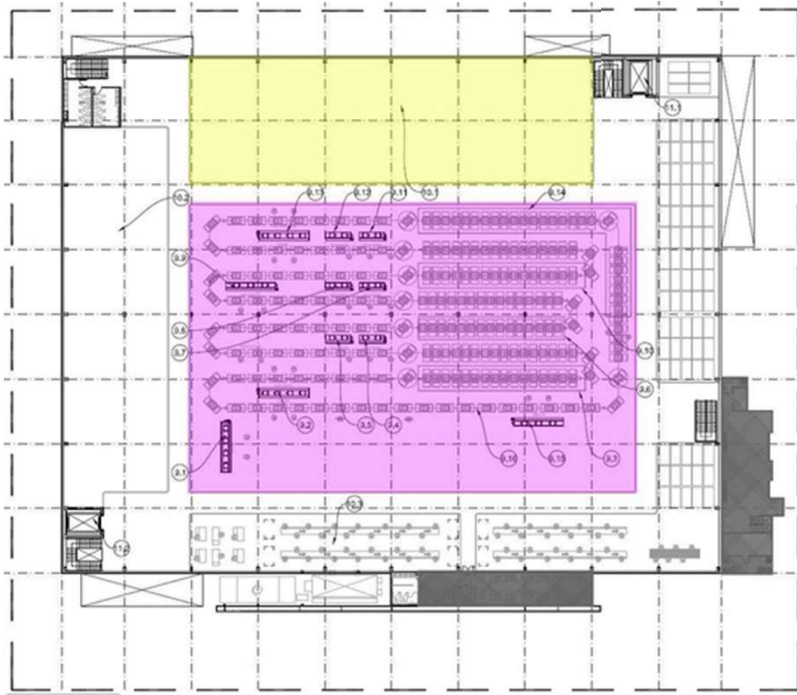


Longitudinal sanding unit



Longitudinal sanding unit
(with pressure segment belt)

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PRODUCTION LINE
(SECOND STAGE)

Automatic pallet painting line and automatic hanging paint line



Upholstery and sofa line



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PRODUCTION LINE

AUTOMATIC PALLET PAINTING AND AUTOMATIC HANGING PAINT TRANSFER

- Pallets are pulled automatically with adjustable speed according to the painting process. After that, the pallet automatically moves into the drying chamber.
- Small, removable parts on suspended paint lines move under the roof automatically.
- The water-based paint tower helps to collect paint dust effectively
- Maximum capacity 30 containers/month.

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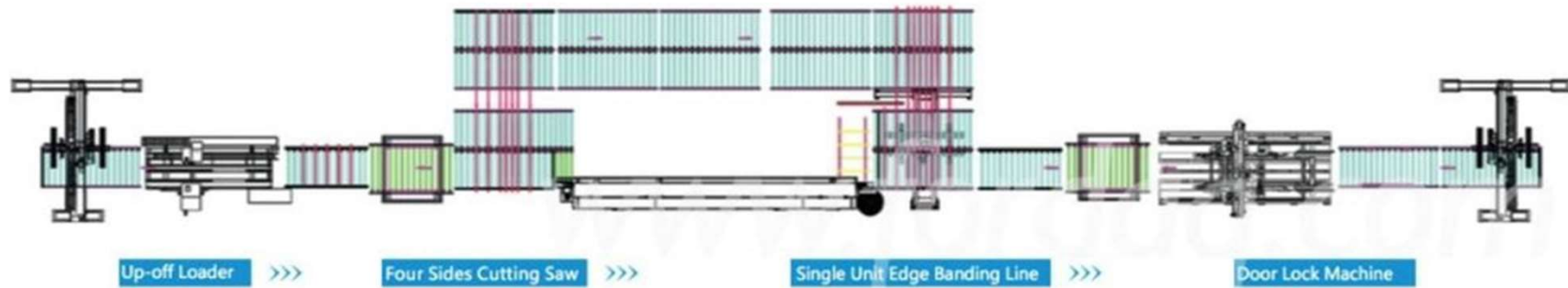
PRODUCTS OF THE CHAIN

AUTOMATIC PALLET PAINTING AND HANGING PAINT LINE

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Wooden Door Production Line



UPGRADE AUTOMATIC DOOR PRODUCTION LINE

- Double door production line output to 3000 sets of doors/month.
- Reduce the number of workers at the door production line. Increase output regardless of the nature of labor.

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SHOWROOM OFFICE DISPLAY PRODUCTS

- Floor area 1200m² including 4 floors:
 - + 1st and 2nd floor: Showroom to display products.
 - + 3rd and 4th floor: Executive Office
- The body structure is pre-engineered steel with fast and economical construction progress.
- The operator glazing system uses reflective solar glass to reduce operating costs and ensure LEED's criteria for energy





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SOLAR BATTERY SYSTEM

- The design capacity of 620Kwp meets 1/3 of the energy demand of the plant.
- The investment cost is approximately 11 billion VND. After 7 years, we will recover their capital and start making profits:
 - + Reduce costs for using grid electricity (about 700 million/year).
 - + Profitable by connecting to the grid to sell crazy at the factory's inactive hours.
 - + Solar panel life can be up to 30 years.

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