

CAPACITY PROFILE DTHOUSE FACTORY



Specializing in providing furniture - installing
wooden doors, Xing fa aluminum door - facade



TROPICITY

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.



TROPICITY

MISSION

Together build sustainable values.

Dedicated and responsible for the products we bring to customers



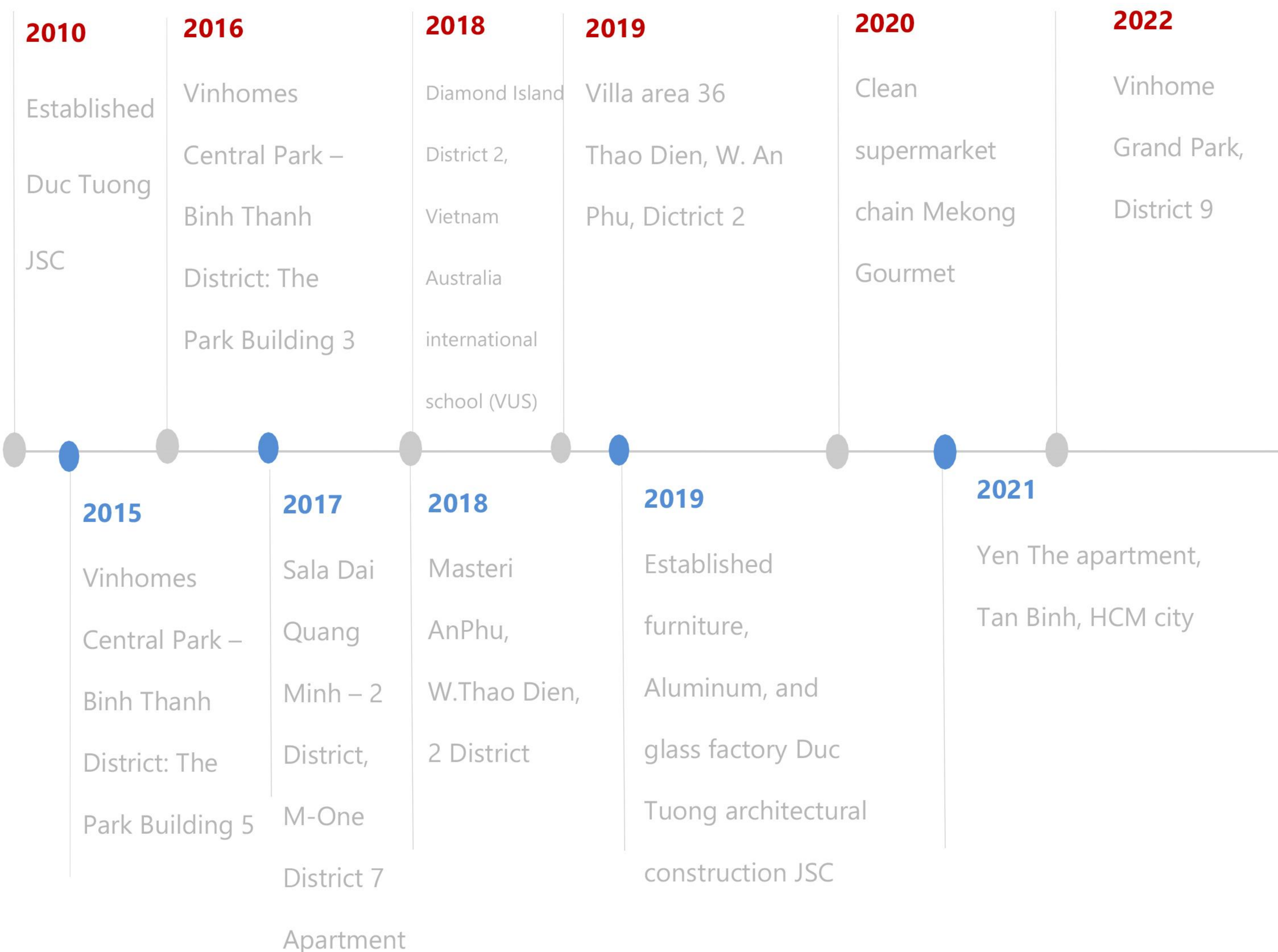
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CORE VALUES



DEVELOPMENT PROCESS

TROPICITY





FIELD OF ACTIVITY

TROPICITY



Design Consultancy
And Interior Construction

Furniture Production
And High-quality Materials



Supervisionn Consultants
And Project Manager

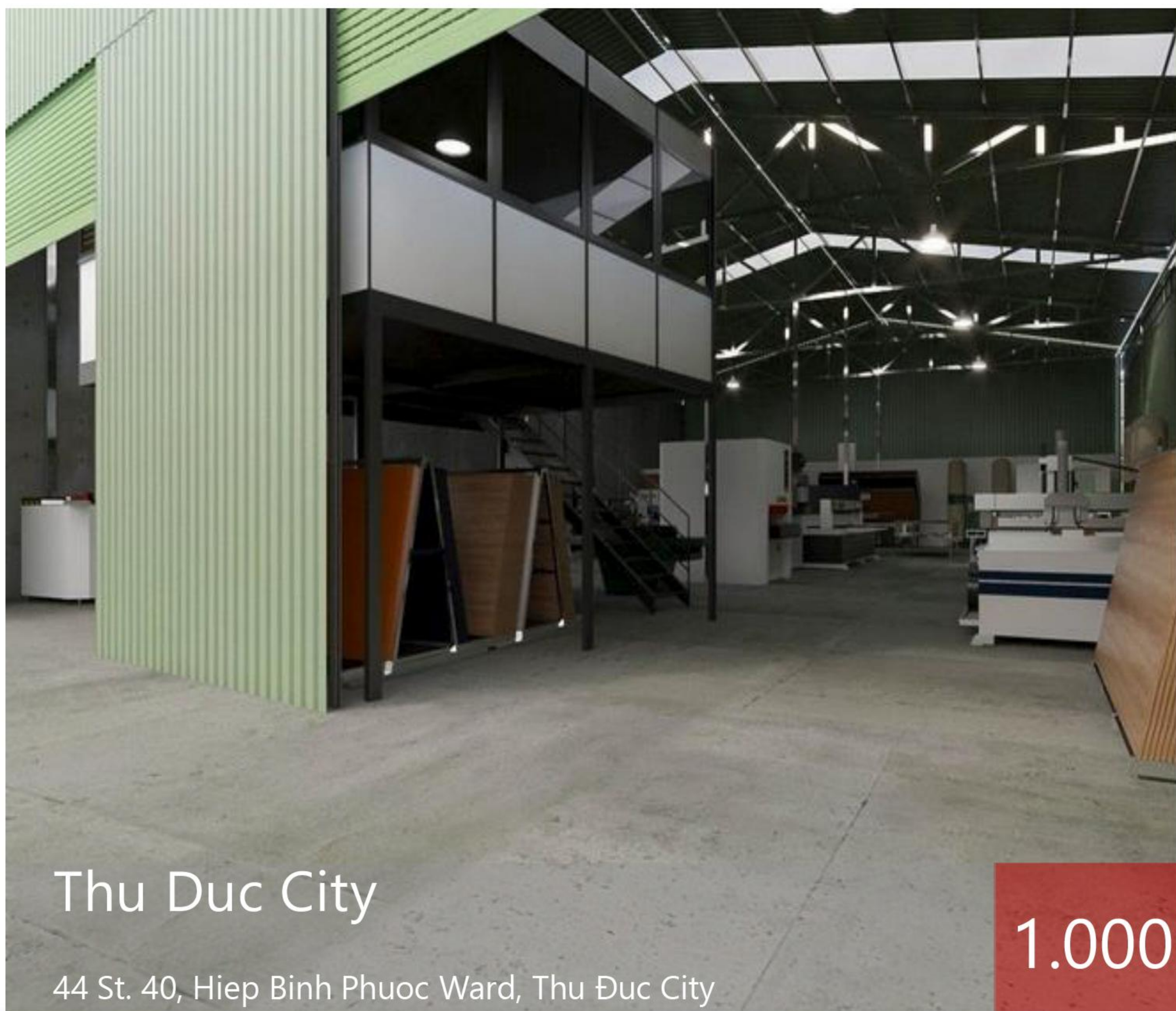
CUSTOMERS

TROPICITY



ADDRESS OF COMPANY AND FACTORY

TROPICITY



Thu Duc City

44 St. 40, Hiep Binh Phuoc Ward, Thu Duc City

1.000m²



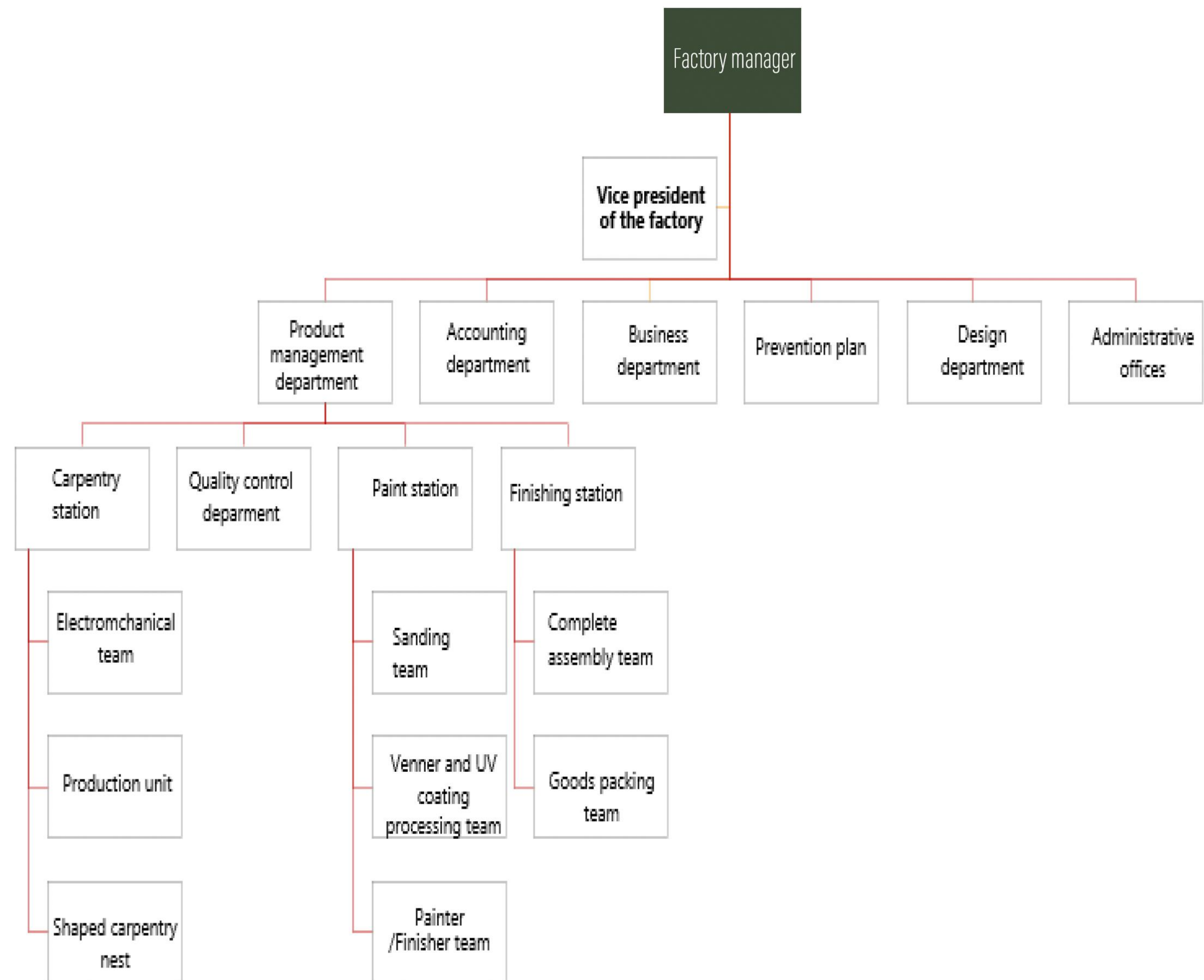
Ho Chi Minh city

30/3 St. Phung Van Cung, W.7, Phu Nhuan District, Ho Chi Minh City

800m²

FACTORY ORGANIZATION CHART

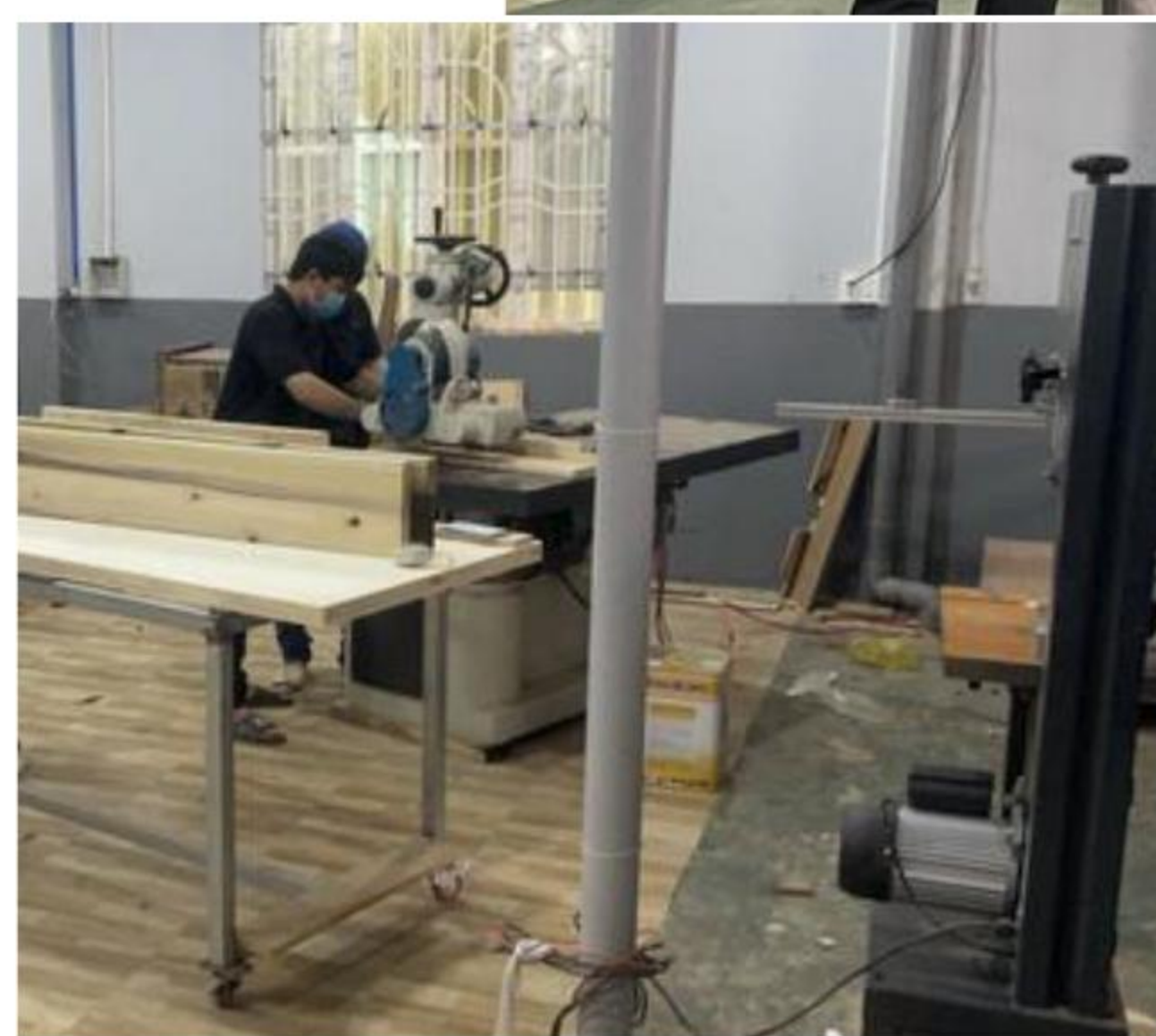
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FURNITURE SERVICES JOINT
STOCK COMPANY

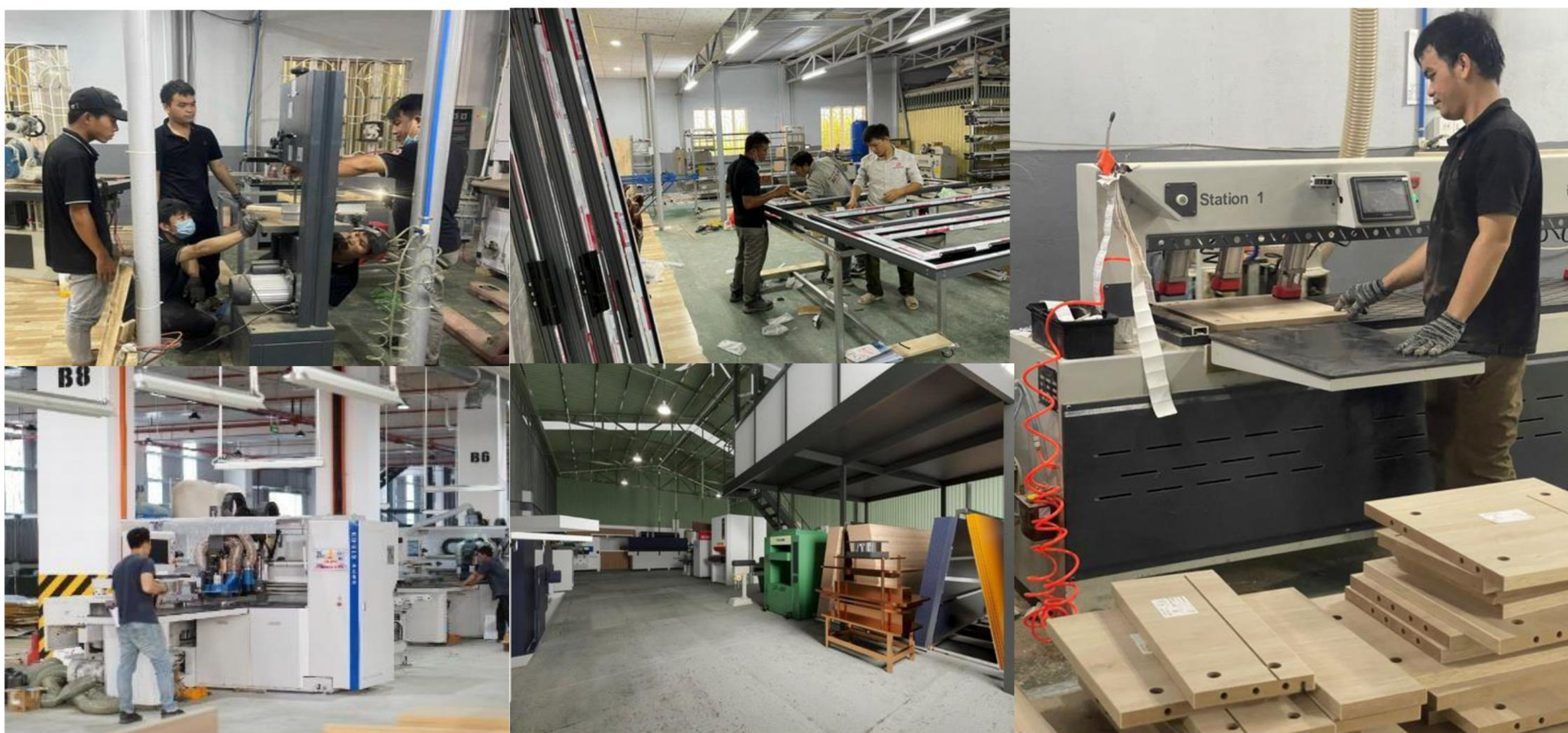
KATT[®]
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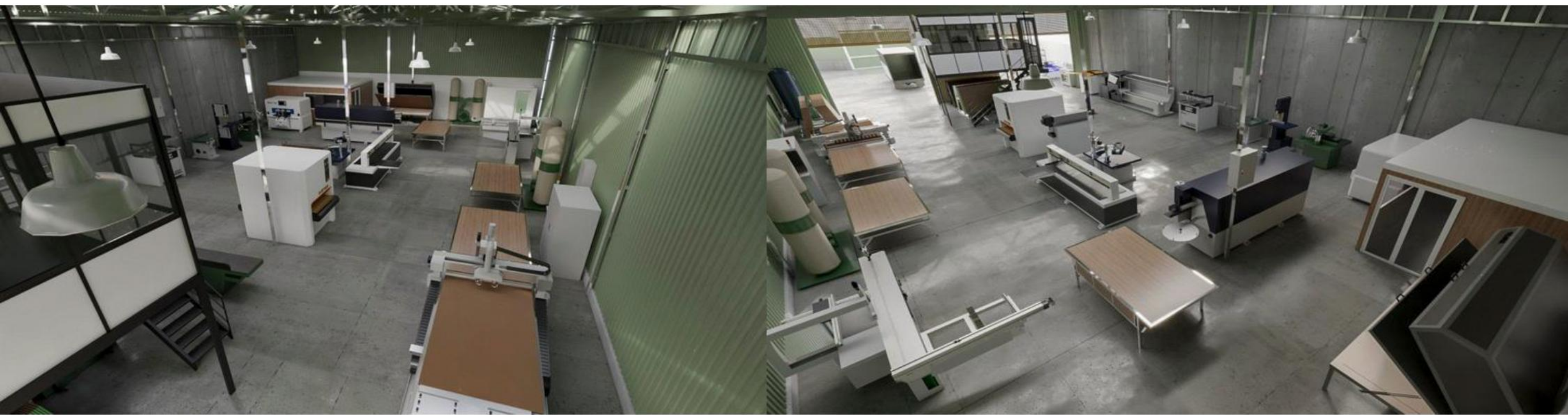
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FURNITURE SERVICES JOINT
STOCK COMPANY



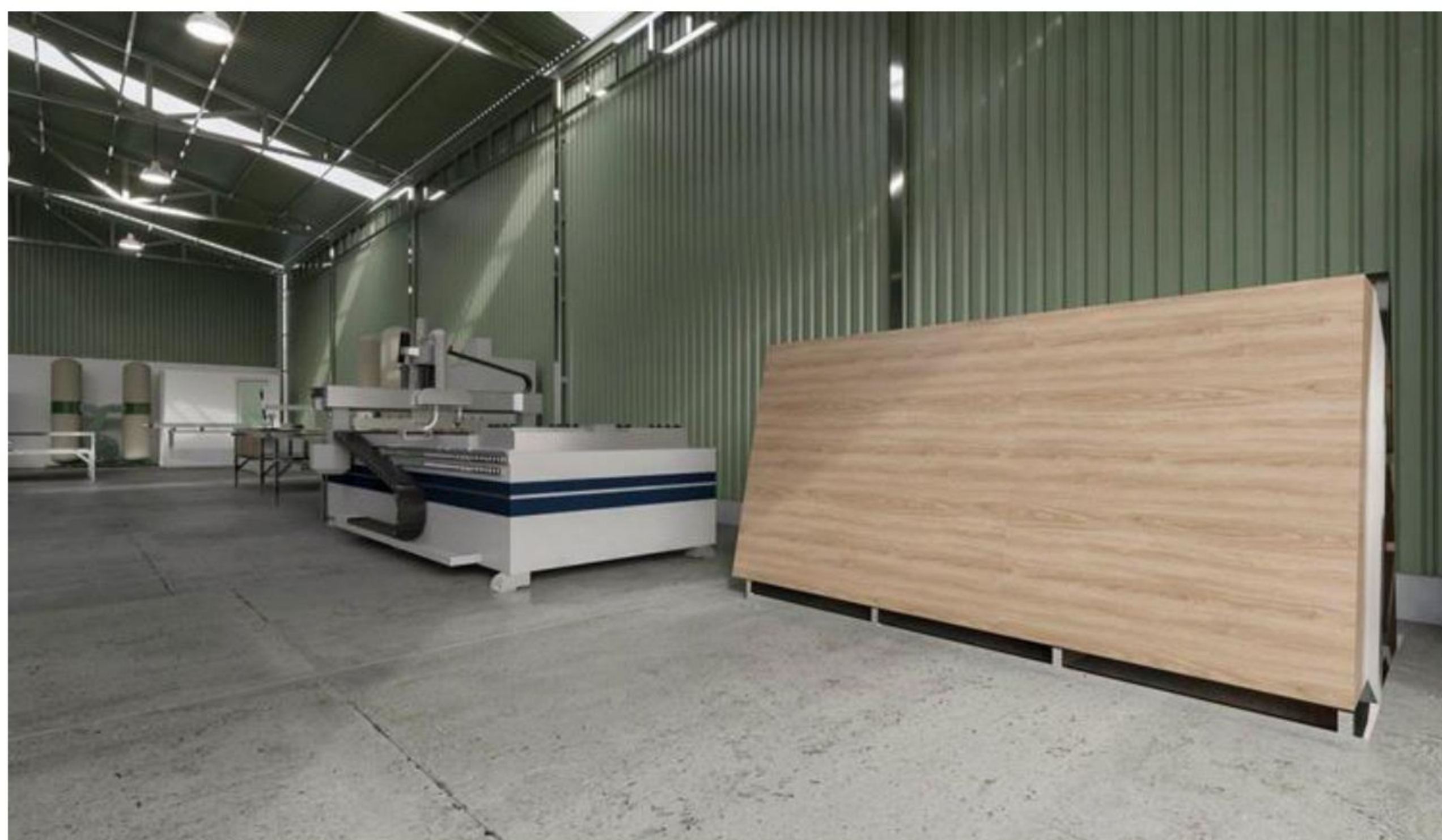
Factory in Thu Duc City

TROPICITY



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Atmosphere
Headquarters
Factory in Thu Duc City



Lợi thế cạnh tranh

1100 ghế/ tháng

530 bộ tủ bếp tiêu chuẩn/ tháng

650 m² cán sơn UV/ ngày

1300 bộ cửa /tháng



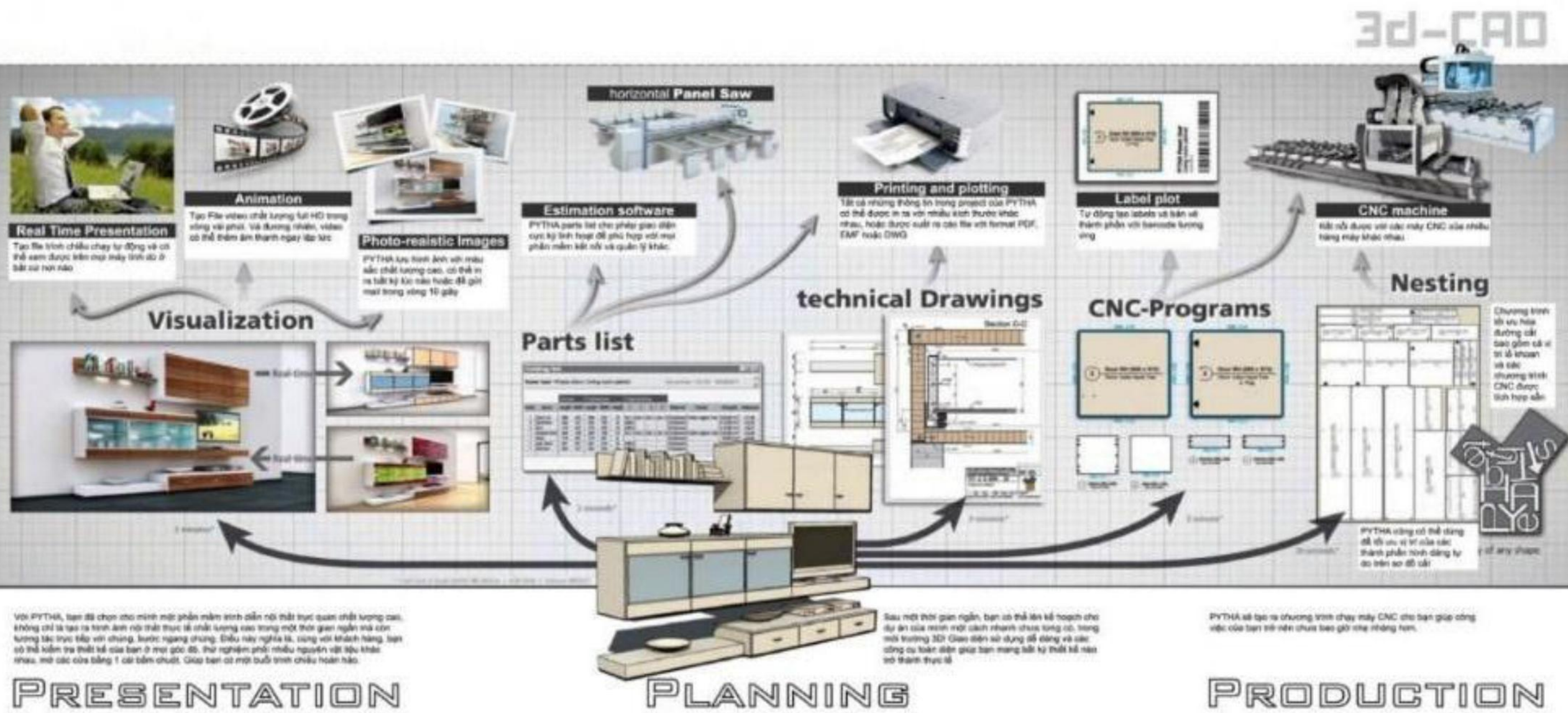
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Machine lines are imported from Taiwan, Germany, Spain, Poland..with an area of up to 400m².



TROPICITY



Design software system product
CABINET VISION
 is synchronous and flexible.



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Mọi khâu sản xuất
được kiểm soát bởi
**Quy trình kiểm
soát chất lượng.**



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



STANDARD FACTORY LEED TROPICITY

(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



Innovation

An orange lightbulb with rays emanating from it, enclosed in a black circle.

Introduction of novel features and procedures

Indoor Environmental Quality

A blue fan with green wavy lines representing air, enclosed in a black circle.

Use of natural light and efficient air conditioning

Materials and Resources

A green recycling symbol (three chasing arrows forming a triangle), enclosed in a black circle.

Responsible construction waste management and sustainable sourcing of materials

Location and Transportation

A grey silhouette of a bus, enclosed in a black circle.

Land protection and access to public transportation and green vehicles

Sustainable Sites

A green plant with three leaves, enclosed in a black circle.

Sufficient green open space and light pollution reduction

Energy and Atmosphere

A yellow sun with rays, enclosed in a black circle.

Optimizing sustainable energy production and metering

Water Efficiency

A blue water drop, enclosed in a black circle.

Indoor and outdoor water reduction

Source: www.usgbc.org

PRODUCTION LINE TROPICITY

Factory production line



Panel saw cutting machine



Automatic edge banding machine

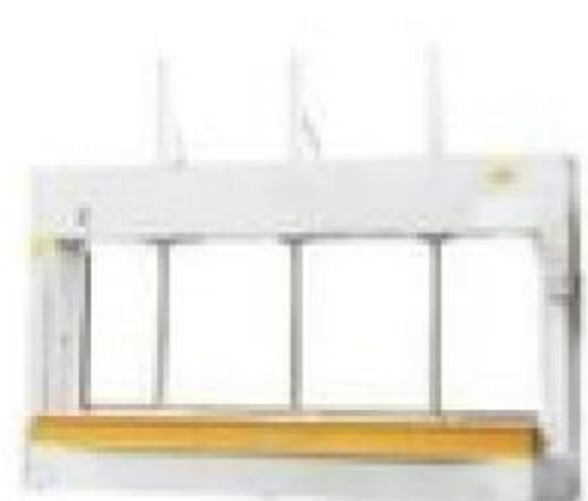


CNC machining centers

Door product



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 processing line



Wood reefing line



Automatic UV lamination coating line



Automatic UV lamination coating line



Piano surface sander



PRODUCTION LINE

1.1: CNC plank cutting machine-Automatic board leveling

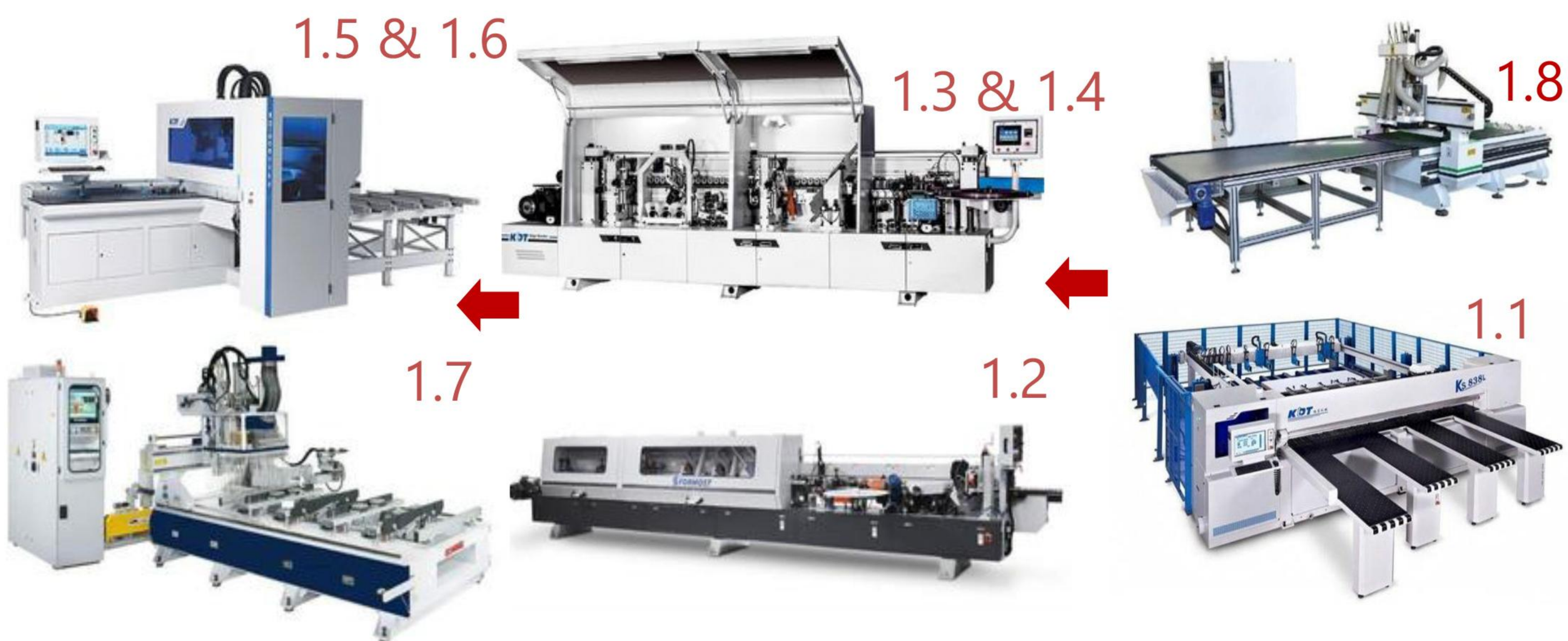
1.2: Automatic edge banding machine-glue straight edge and cut edge

1.3&1.4: Automatic edge banding machine

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

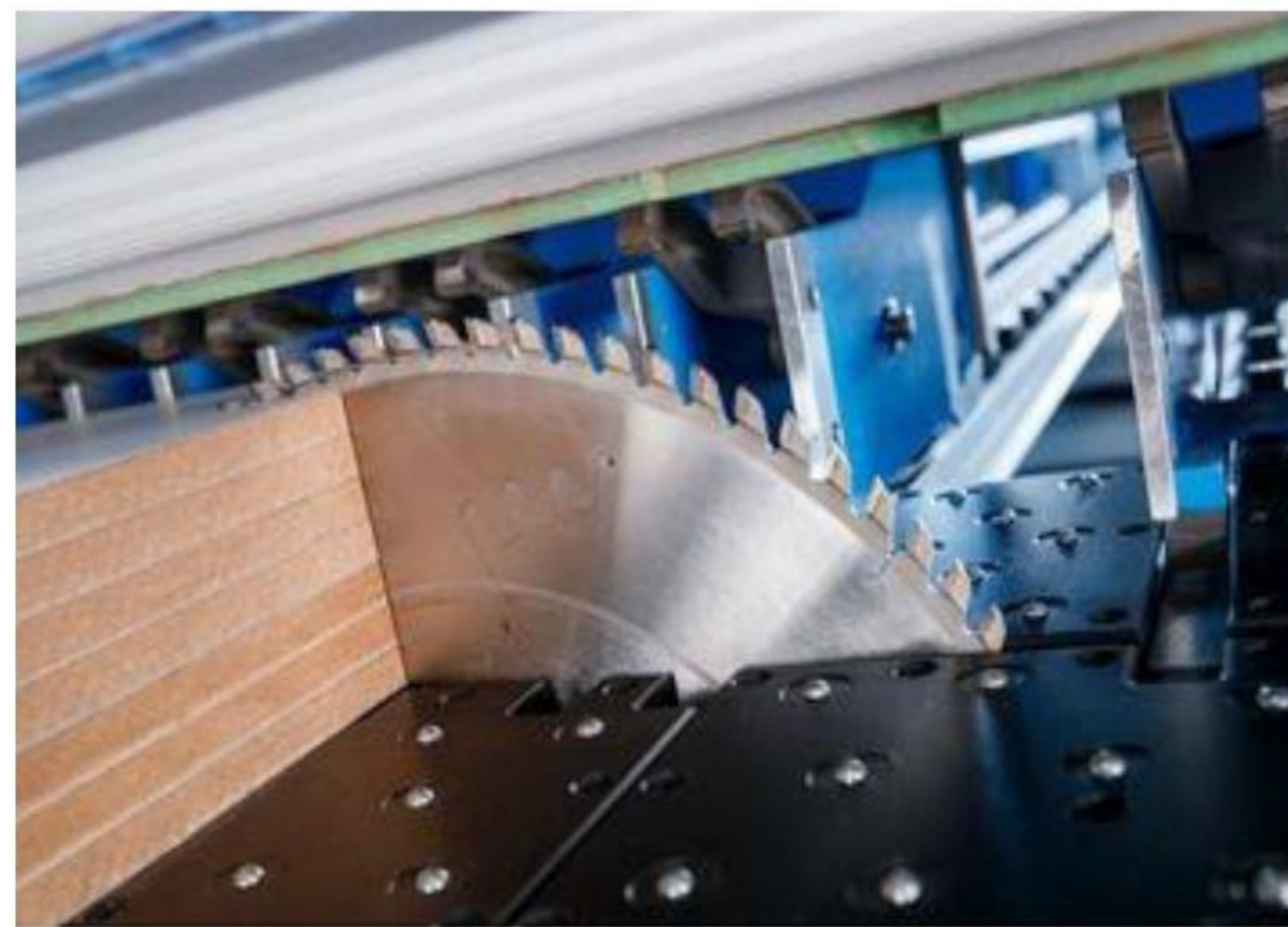
1.7: CNC machine centers

1.8: CNC nesting machine



Automatic board leveling CNC board cutting machine TROPICITY

- 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.



- 250 - 300 planks/ day.

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



Automatic barcode stamp printing

TROPICITY



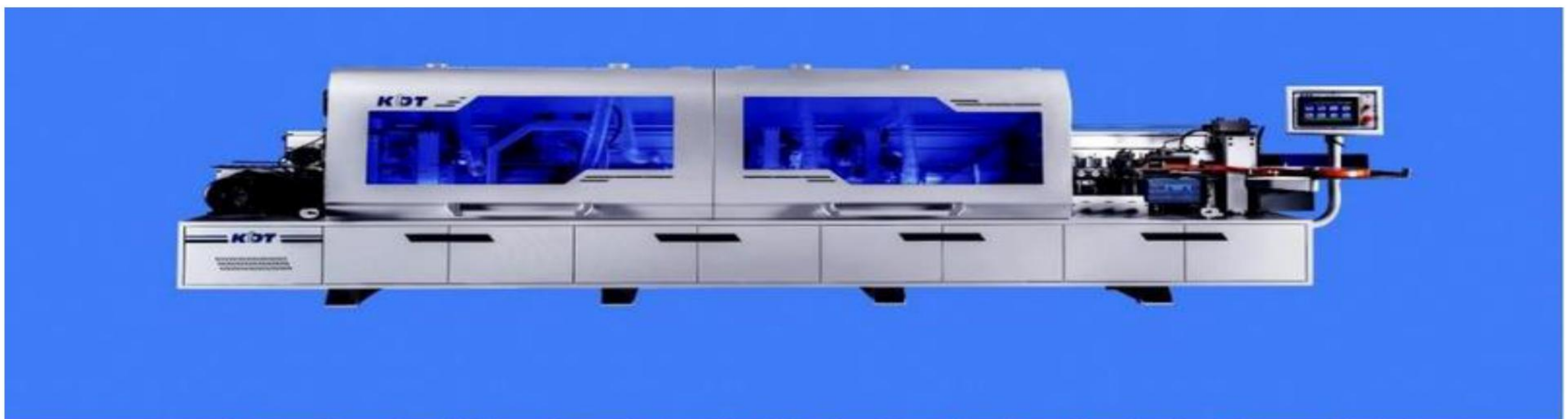
Automatic edge banding machine, straight edge banding and beveled edge banding machine

- 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.

TROPICITY 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.

Set of cornering functions

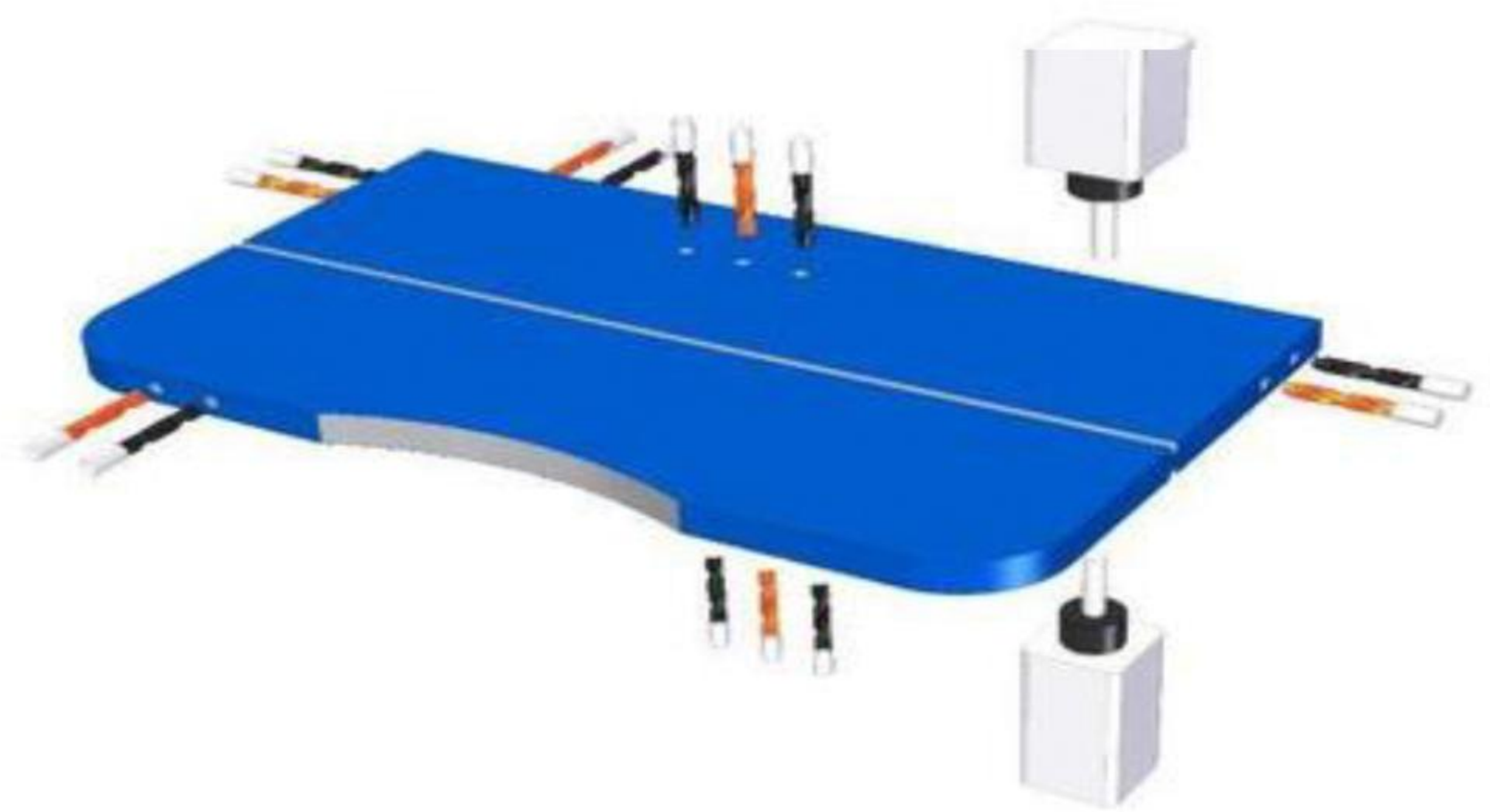


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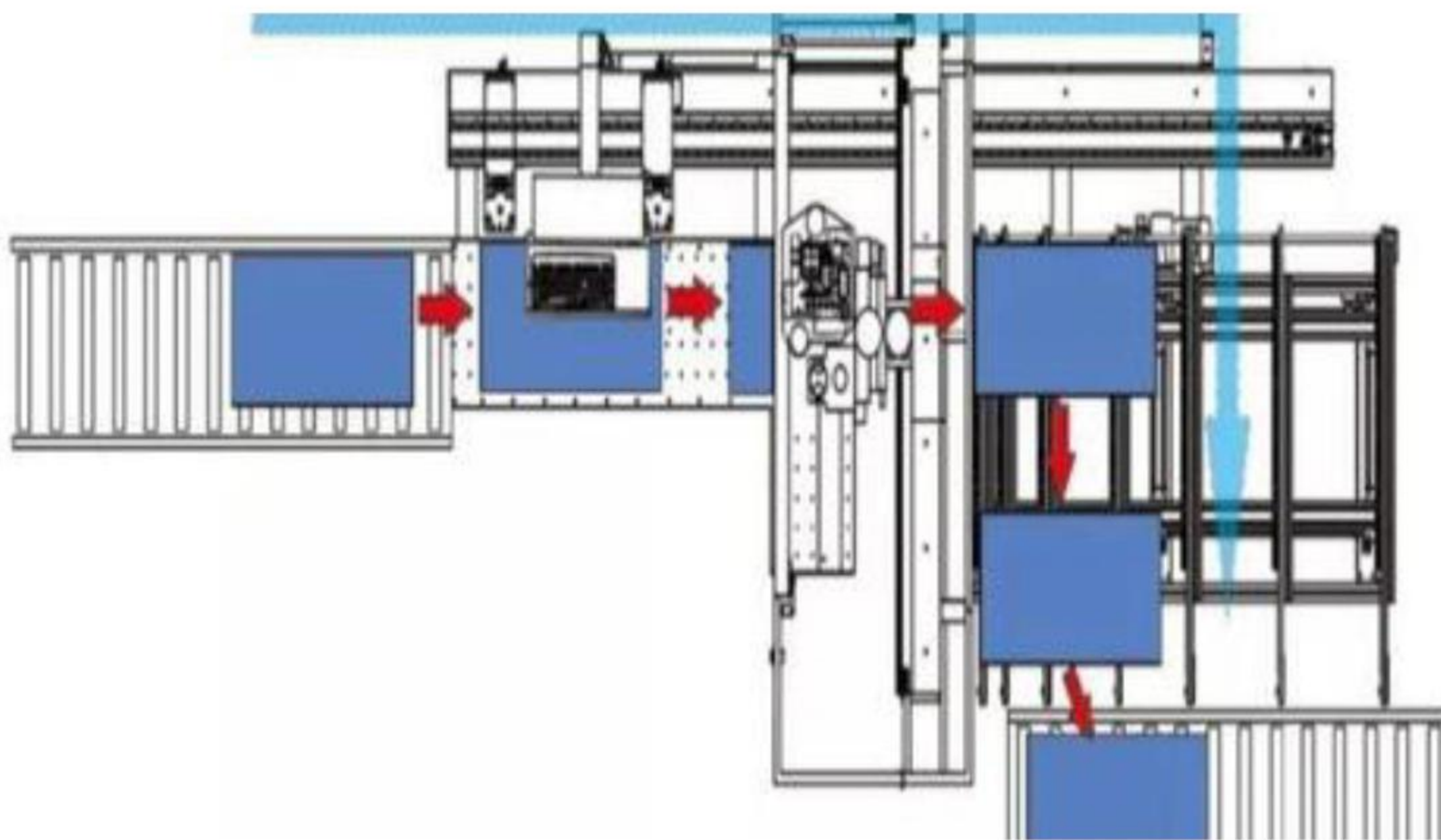
CNC milling machine

(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.



Processing 6 sides of the board



Read barcode stamps

CNC machining centers TROPICITY

- 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.



360-degree machining head



Read barcode stamps



Automatic tool changer

CNC Nesting

TROPICITY

- 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.



Automatic feeding of planks



Read barcode stamps



Four CNC machine heads



TROPICITY



**PRODUCTS OF THE
PLYWOOD
PRODUCTION LINE**

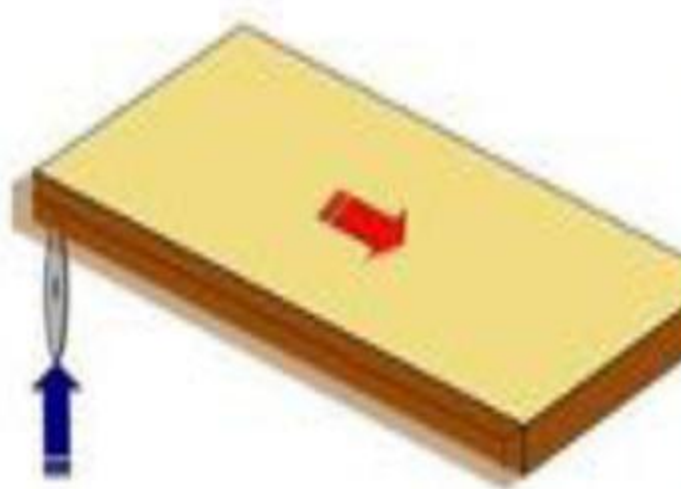
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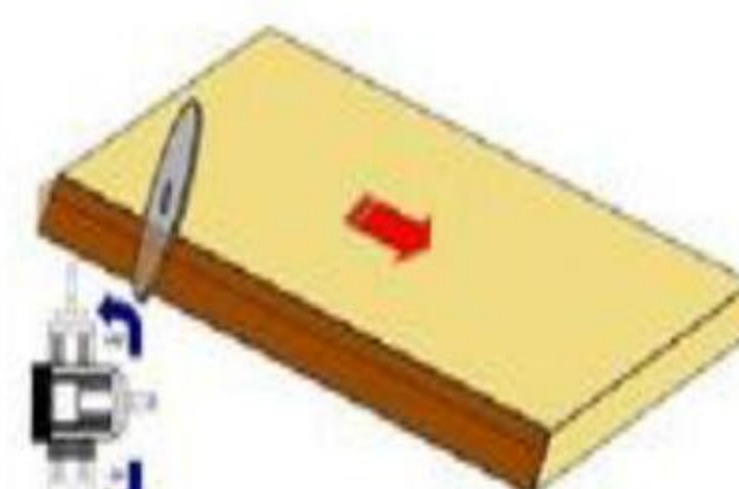
Main saw system



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.

TROPICITY



TOUCHSCREEN 10"

PREMILLING PF-12



FEEDING UNIT PRO

GLUEPOT M2



ROLLER BASE PRO

ENDTRIM V7

TRIMMING BC-5

NON STICK SPRAY (OPTIONAL)

INFRARED LAMP (OPTIONAL)

RADIUS SCRAPER RB-8
(OPTIONAL)

GLUE SCRAPER RR-8 (OPTIONAL)

Automatic Edge banding machine

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

Felder "MVP 300" Membrane Press

TROPICITY



- Working temperature up to 50° C
- Working vacuum max. -0,9 bar
- Working pressure 9000 kg/m²
- Thickness of caoutchouch 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

TROPICITY 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



TROPICITY 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



TROPICITY



**PRODUCTS OF BULK
PRODUCTION LINE**



PRODUCTION LINE AUTOMATIC LAMINATION PAINT

6.1: Two-axis piano surface sanden

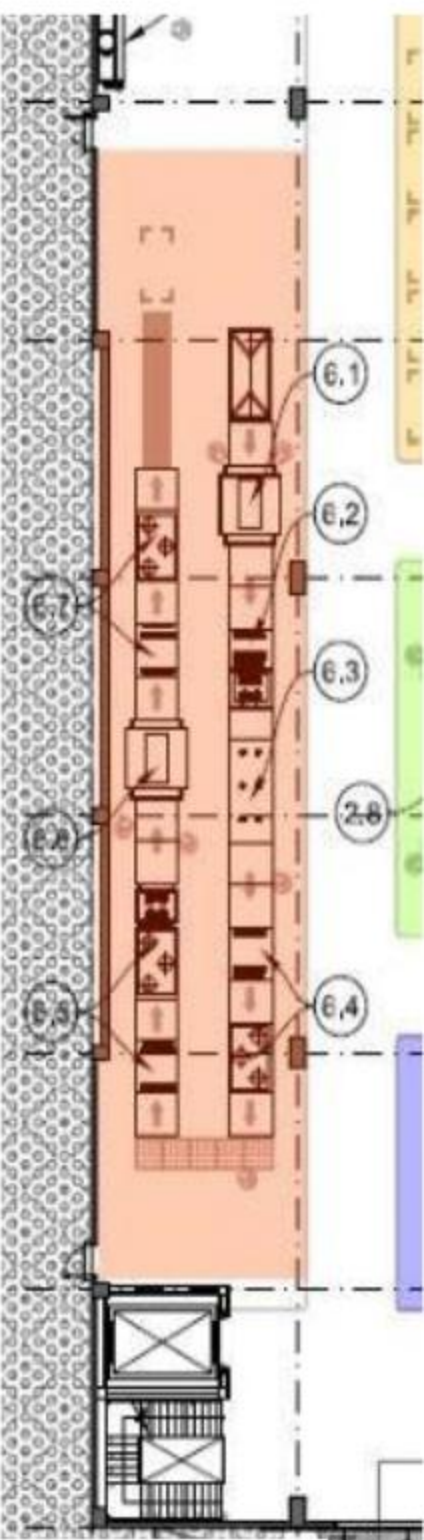
6.2: Two-axis color laminating machine

6.3: IR Dryer

6.4-6.5-6.7: Two axis UVn

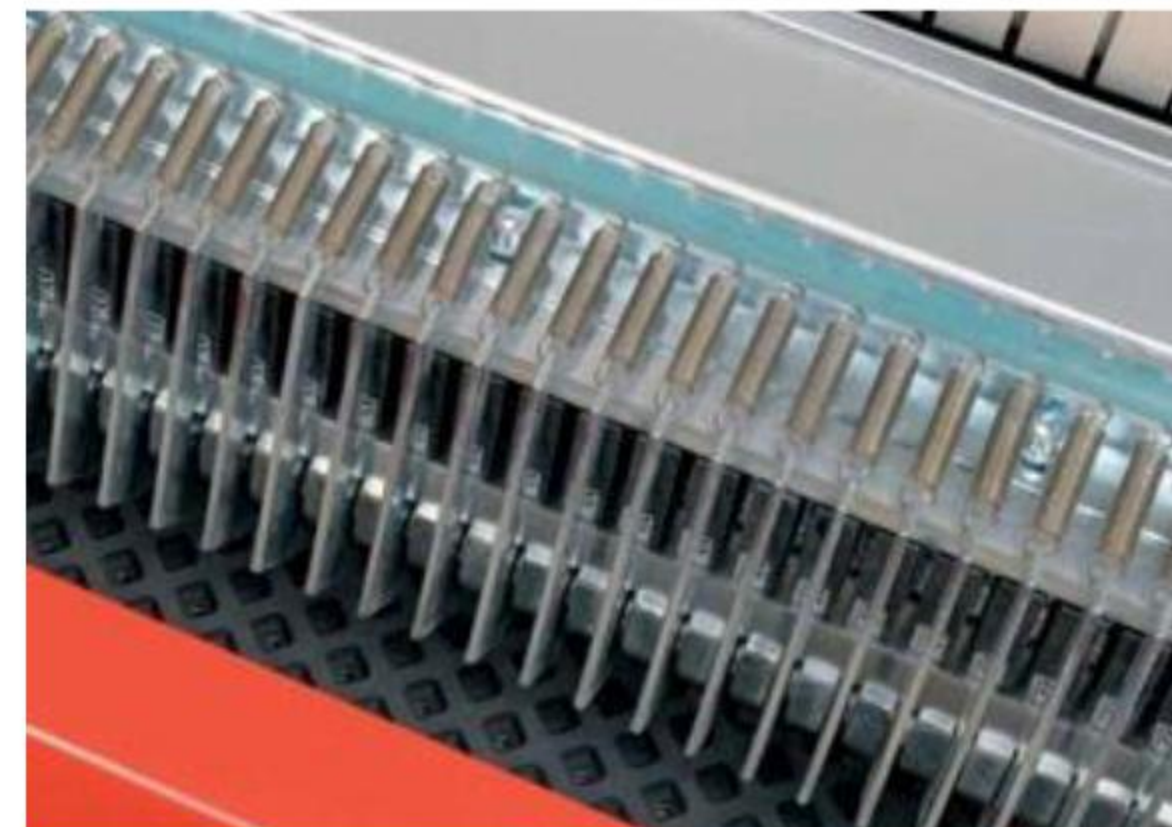
laminating machine and three lamp UV drying machine

6.6: Three-axis piano surface sander



TROPICITY 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.



Contact roller



Cross sanding unit



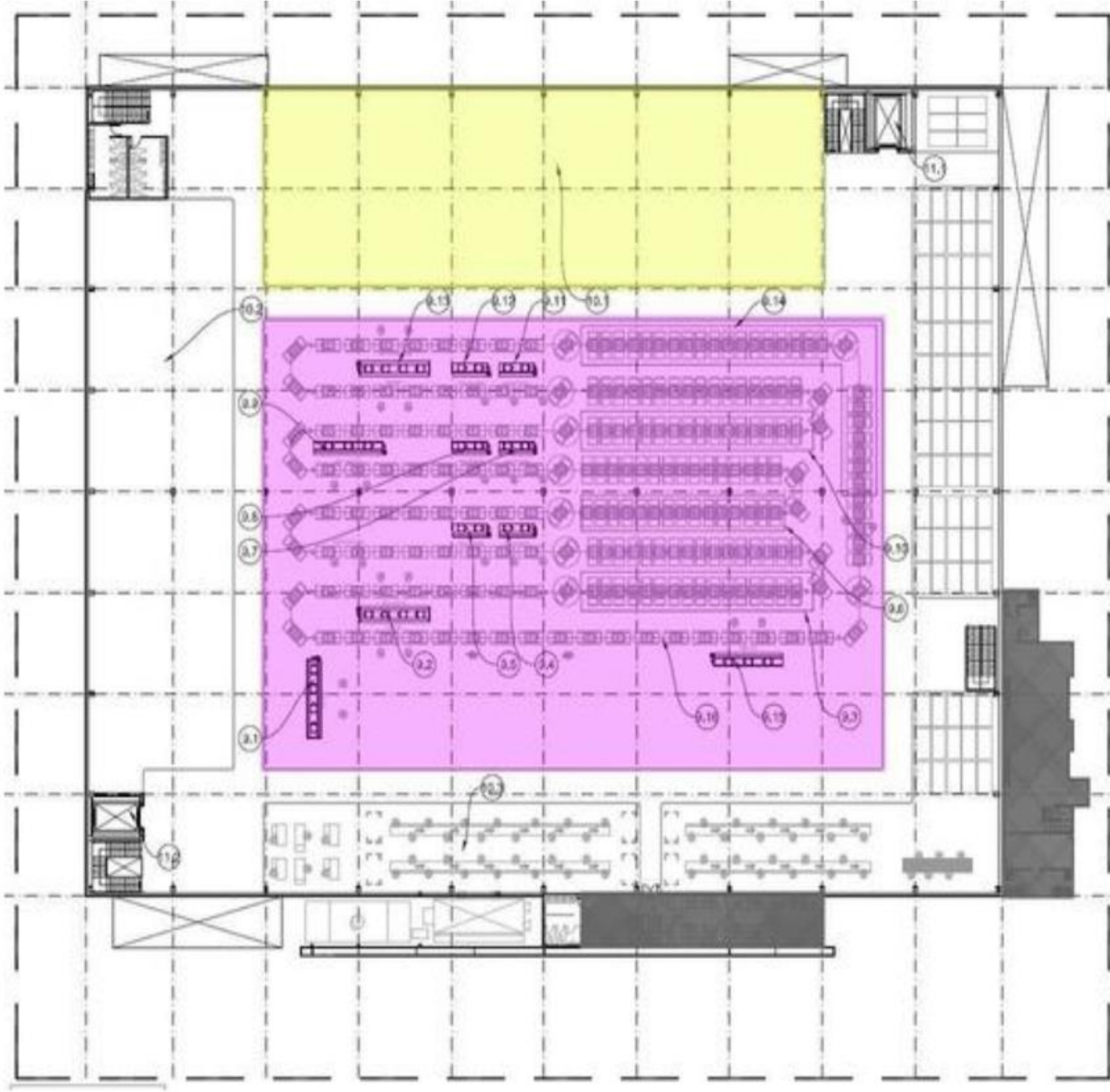
Longitudinal sanding unit



Longitudinal sanding unit
(with pressure segment belt)

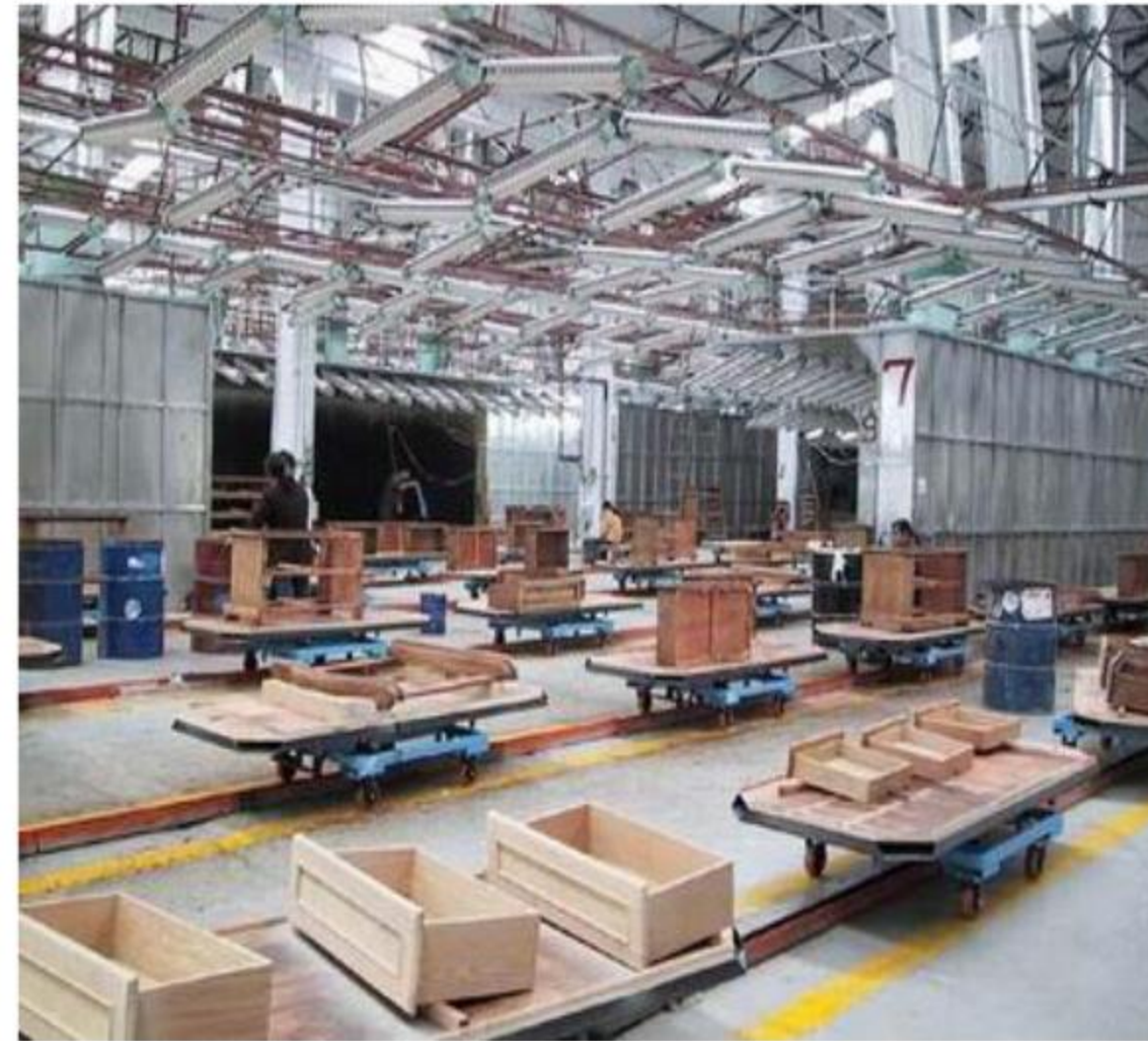
- Pressure beam from CSD®: Precise control of sanding pressure determines superior sanding quality. The highly sensitive CSD sensor system receives data from the workpiece recognition sensor for accurate calculations of required pressure.
- Sanding surface thickness can be precisely controlled to <1mm with highly sensitive sensors that control the surface of the workpiece.

TROPICITY



PRODUCTION LINE (SECOND STAGE)

**Automatic pallet painting line
and automatic hanging paint
line**



Upholstery and sofa line



TROPICITY

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

TROPICITY

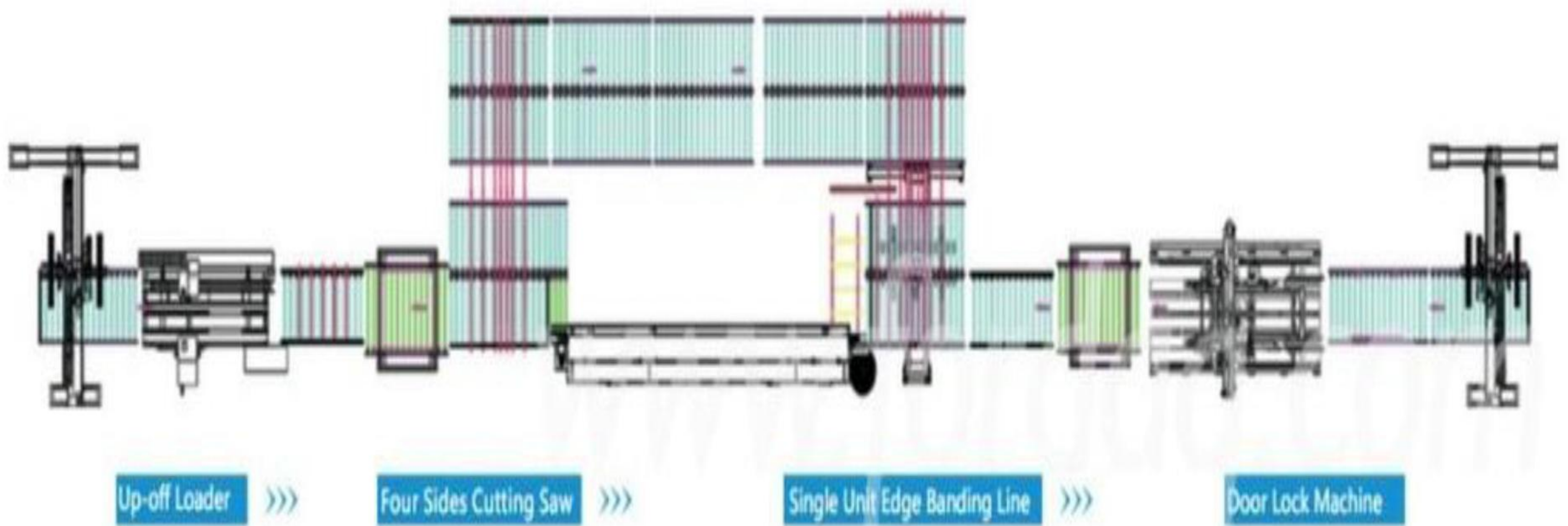


**PRODUCTS OF THE CHAIN
AUTOMATIC PALLET PAINTING AND HANGING PAINT LINE**

TROPICITY



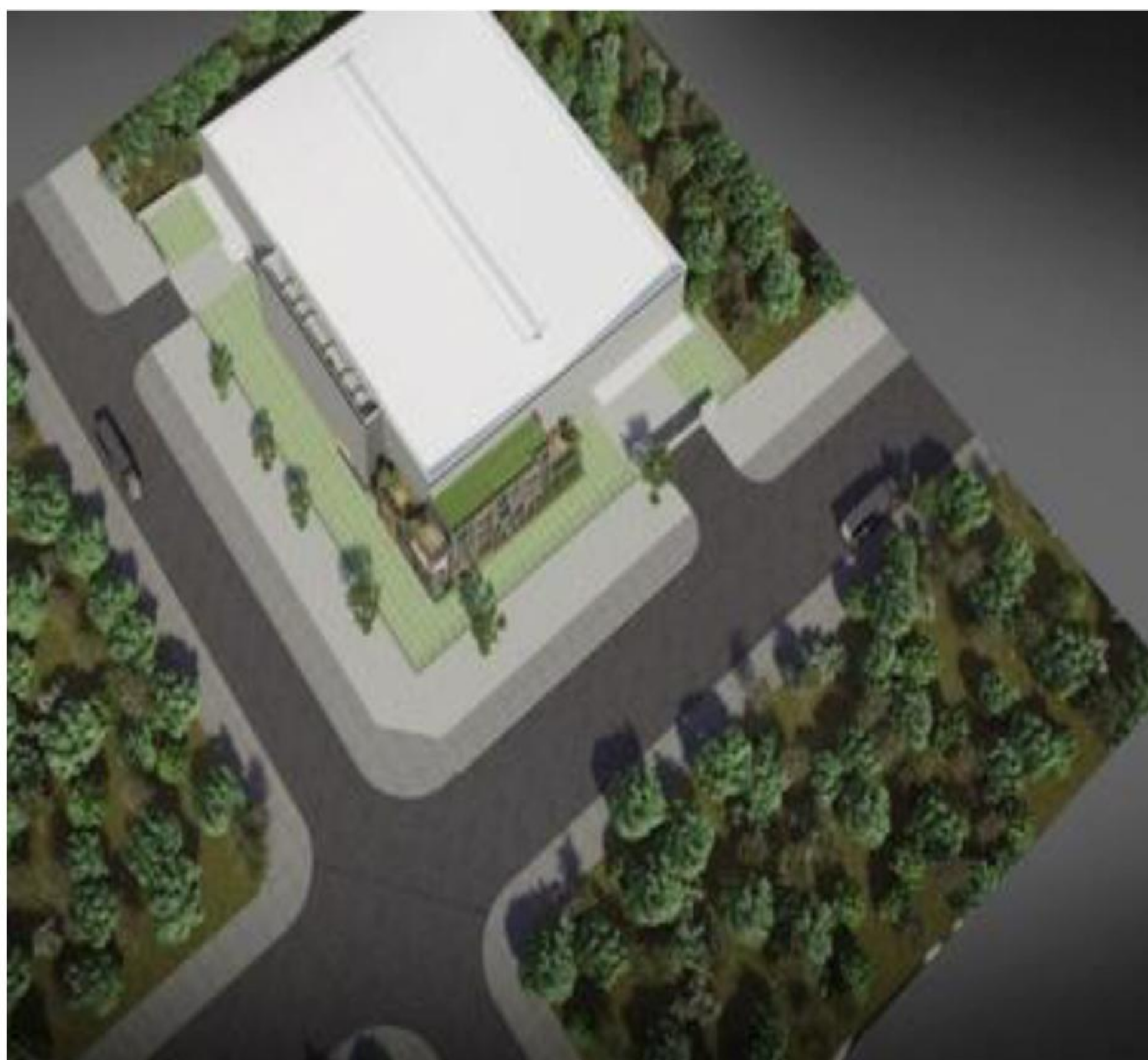
Wooden Door Production Line



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.

TROPICITY



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.

TROPICITY



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.



TROPICITY

Contact



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