

# THACO INDUSTRIES



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THACO CHU LAI IZ, NUI THANH DIST., QUANG NAM PROVINCE, VIETNAM

**SUPPORTING INDUSTRIES  
&  
MECHANICS CORPORATION - THACO INDUSTRIES**



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**Supporting Industries & Mechanics Corporation - THACO Industries** has the area of 120 ha, investment capital of USD 200 million with 4,200 employees. THACO Industries includes mechanical manufacturing & processing complex, supporting industry complex and R&D center with the purpose of researching and developing products to meet the unique needs of customers. As a pioneer enterprise in investing in the development of mechanical engineering and supporting industries with the largest scale in Vietnam, THACO Industries set the goal for joining the global value chain with the strategic vision and thinking.

### VISION

BECOME THE LEADING CORPORATION IN MECHANICAL AND SUPPORTING  
INDUSTRY OF VIETNAM, REACH OUT TO THE ASEAN REGION

### MISSION

BRING THE HIGHEST VALUE TO CUSTOMERS, CONTRIBUTE TO THE MECHANICAL  
INDUSTRY DEVELOPMENT STRATEGY OF VIETNAM

THACO INDUSTRIES PROVIDES 4 MAIN CATEGORIES:

**Mechanic products:** Supplying steel material, mechanical processing, mold base, construction mechanics, industrial equipment, agro-forestry mechanics, semi-trailers and specialized equipment.

**Automotive and motorcycle products:** glass, leaf springs, condenser, air-conditioner, wire harness, interior- exterior, accessories.

**Other products:** engineering plastic, civil glass, sealant and specialized fluid, electricity - electronics - refrigeration wire harness, composite product used for construction - civil - industry - agriculture, packing, glove.

**Services:** designing, testing material, surface treatment (plating, shot peening, heat treating, plating, powder coating).

In domestic market, THACO Industries became strategic partner of automotive brands as Kia, Mazda, Peugeot, Toyota, Hyundai, Isuzu and some enterprises as Doosan Vina, Makitech, Agata, Three Star, OGS, GE, Amann, Wanek... Many products have been especially exporting to USA, Germany, Italy, Russia, Australia, Poland, Korea, Japan, India, Portugal, Malaysia, Cambodia, Turkey, Kazakhstan... and ASEAN countries.



# MECHANICAL MANUFACTURING & PROCESSING COMPLEX

- 01 STEEL PROCESSING PLANT
- 02 MOLDS PLANT
- 03 MECHANICAL COMPLEX
- 04 SPECIAL VEHICLES PLANT





## STEEL PROCESSING PLANT



**Area:** 5 ha  
**Capacity:** 255,000 ton/ year  
**Product:** Steel material, non-ferrous metal, precision mechanical parts...



### SLITTING LINE

Quantity: 03 lines  
 Thickness: 0.3 - 6 mm  
 Width: 50 - 1,200 mm



### FIBER LASER CUTTING MACHINE

Quantity: 04 machines  
 Thickness: 25 mm  
 Cutting size: 12,300 x 2,000 mm



### SQUARE STEEL, TUBE STEEL LASER CUTTING MACHINE

Thickness: 8mm (Steel); 4mm (Inox)  
 Cutting size: Ø20 - 220 mm; Ø15 - 155 mm



### HYDRAULIC PRESS MACHINE 1,000T

Press force: 1,000 ton  
 Working table size: 3,500 x 2,200 mm





**Area:** 5,000m<sup>2</sup>

**Capacity:** 600 sets/ year

**Product:** Plastic injection mold, plastic extrusion mold, stamping dies, precision mechanical processing and heat treatment...



## VERTICAL MILLING MACHINE

Quantity: 02 machines

Max load on table: 30,000 kg

Axis travel: 4,200 x 3,000 x 1,100 mm



## CNC GUN DRILLING MACHINE

Max load on table: 20,000 kg

Axis travel: 2,500 x 1,250 x 1,700 mm

Drill diameter: Ø3 - 32 mm



## EDM MACHINE

Max load table: 16,000 kg

Axis travel: 2,700 x 1,100 x 600 mm



## HEAT TREATMENT FURNACE

Weight: 450 kg

Size: 1,000 x 1,150 x 800 mm

Hardness: 58 - 62 HRC





**Area:** 13 ha  
**Capacity:** 300,000 mechanical component sets/ year  
**Product:** Automobile mechanics, construction mechanics, industrial equipment, agro-forestry mechanics, surface treatment...



**WELDING ROBOT LINE**  
 Quantity: 63 machines  
 Gas metal arc welding  
 Flux cored arc welding



**SHOT BLASTING BOOTH**  
 Load: 10,000 kg  
 Max material size: 14,000 x 2,500 x 3,500 mm



**ZINC-ELECTROPLATING LINE**  
 Load: 150kg  
 Axis travel: 1,800 x 1,400 x 400 mm



**POWDER COATING LINE**  
 Load: 140 kg  
 Max material size: 5,500m x 2,000 x 600 mm





**Area:** 4 ha  
**Capacity:** 12,000 products/ year  
**Product:** Semi-trailers, special semi-trailer, special heavy vehicle...



**CNC GAS & PLASMA CUTTING MACHINE**  
 Thickness: 150 mm  
 Cutting size: 3,200 x 15,000 mm



**CNC PRESSING MACHINE (12M)**  
 Thickness: 0.6 - 12 mm  
 Workable length: 12,000 mm



**CNC PLATE ROLLING MACHINE**  
 Maximum length: 2,550 mm  
 Diameter axes: 300 mm  
 Maximum thickness: 13 mm



**SEMI-TRAILER CHAIN TURNING EQUIPMENT**  
 Max load on table: 10 tons  
 Dimension: 6,000 x 4,100 x 5,000 mm





## PRODUCT

### MECHANICAL PROCESSING & MOLD BASE



Steel coil slitting



Steel sheets, non-ferrous metal



Square steel, tube steel



Stamping dies



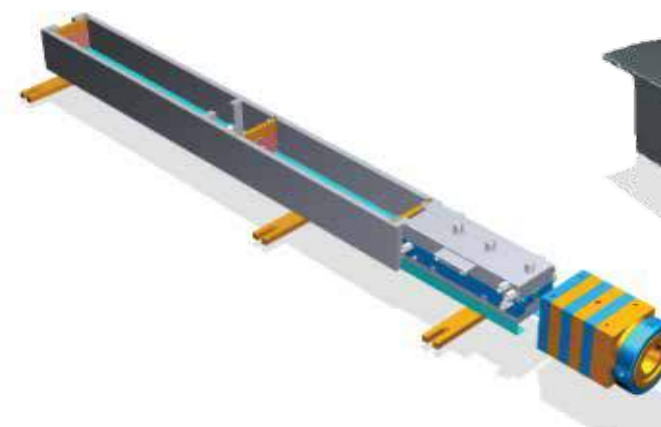
Plastic injection mold



Punching & pressing parts



Bending parts



Plastic extrusion mold



Stamping parts



Laser cutting items



Precision mechanical processing



Heat treatment





## PRODUCT

### INDUSTRIAL EQUIPMENT



JIG & Fixture



Electric monorail system



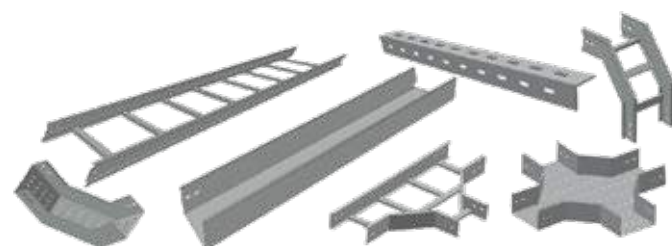
Industrial control cabinet



Tool cabinet



Automatic guided vehicle (AGV)



Cable trunking



Two-post/ four-post lift



Lifting table



Conveyor



Storage shelves



Processing line for fodder



Processing line for fruits, vegetables





## PRODUCT

### AGRO-FORESTRY MECHANICS



Rotavator



Tree planting equipment



Chemical sprayer system



Mixer machine



Feed storage farm silo



Farm equipment

### CONSTRUCTION MECHANICS



Construction and civil steel assy



Pre-engineered building construction



Ventilation and Air-Conditioning System



Construction building installation





## PRODUCT

### AUTOMOBILE MECHANICS



**Dump box**



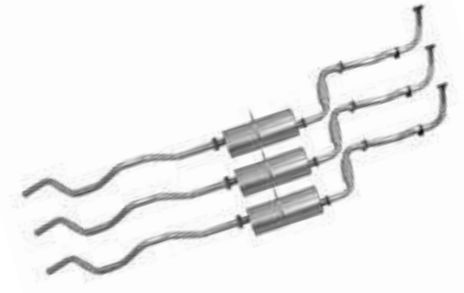
**Refrigeration box**



**Seat frames**



**Hydraulic cylinders**



**Exhaust systems**



**Specialized medical truck body  
for X-ray and ultrasound**



**Specialized truck body  
for mobile vaccination**



**Skeleton semi trailer  
3 Axle - 45 feet - 12 twist lock**



**Flatbed semi trailer  
3 Axle - 40 feet - 8 twist lock**



**Fuel tank**



**Safety loader deck**



**Dump semi trailer  
3 Axle - 23m<sup>3</sup> - FC202**



**Special semi trailer  
Semi trailer (18.6m)**



# SUPPORTING INDUSTRIAL ZONE

- 01 PLASTIC COMPONENTS PLANT
- 02 GLASS PLANT
- 03 SEAT PLANT
- 04 ELECTRIC COMPONENT PLANT
- 05 AIR-CONDITIONER PLANT
- 06 INTERIOR PARTS PLANT

- 07 AUTOMOTIVE SPRINGS PLANT
- 08 AUTOMOTIVE BODY PARTS PLANT
- 09 COMPOSITE PLANT
- 10 SPECIALIZED SEALANT & FLUID PLANT
- 11 GLOVES PLANT
- 12 PACKAGING PLANT







PLASTIC COMPONENTS PLANT



Area: 3.5 ha  
Capacity: 32,000,000 products/ year  
Product: Plastic components for truck- bus- passenger car, civil & industrial plastic,...



3,200 TONS INJECTION MACHINE  
Injection pressure: 200 Kg/cm²  
Productivity: 120,000 products/year



ROBOT PAINTING  
Quantity: 5 robots  
Capacity: 160,000 sets/year



PLASTIC COMPONENTS FOR CAR



Luggage compartment



Car bumper



Seating cover



Wheel rim cover



CIVIL & INDUSTRIAL PLASTIC



Plastic sink



Industrial trolleys pallet



Plastic core spun thread industry



HDPE pipe



Hydroponic plastic pipe



Plastic bottle





## GLASS PLANT



**Area:** 6 ha

**Capacity:** 50,000 sets/ year

**Product:** Truck - bus glass, passenger car windshield, truck barrel glass, electric vehicle glass, excavator glass, construction and civil glass,...



### SINGLE BENDING FURNACE

Output dimension: 2,000x3,000 mm  
Productivity: 380 Kw

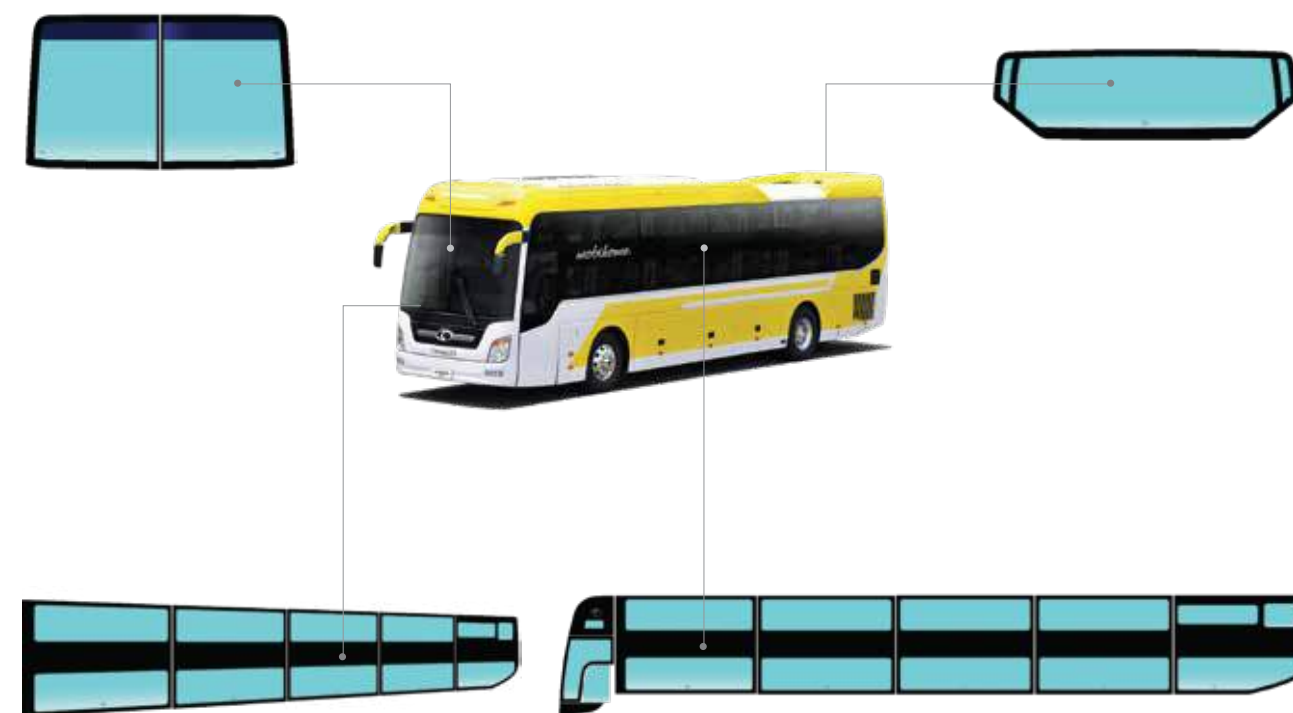


### 2D GLASS TEMPERING FURNACE

Glass dimension (max): 2,200x1,500 mm  
Glass thickness: 3.5~6 mm



## CAR GLASS



Door glass, side-fixed glass & bus, truck windshield



## HOUSEHOLD EQUIPMENT GLASS



Tempered glass





## SEAT PLANT



**Area:** 12,000 m<sup>2</sup>

**Capacity:** 90,000 sets of chairs - beds / year and 300,000 sets of export chairs / year

**Product:** Truck - bus - passenger seat, car seat components, car accessories (gear knob & seat cover, steering wheel cover, floor mat...)



### AUTOMATIC SEWING MACHINE

Quantity: 800 machines  
Capacity: 1,000 sets/day



### CAR SEAT ASSEMBLY LINE



## CAR SEAT - TRUCK - BUS



Bus seat



Car seat



## CAR ACCESSORIES



Seat cover



Floor mat



Gear knob



Sun protector cover



Car cover



Backrest & neck pillow



## ELECTRIC COMPONENT PLANT



**Area:** 7,000 m<sup>2</sup>

**Capacity:** 65,000 sets/ year

**Product:** Truck - bus- passenger car wire harness, electric bicycle wire harness, booster cable, electronic – refrigeration wire harness,...



### TERMINAL CUTTING MACHINE

Quantity: 29 machines

Capacity: 600 products/hour



### AUTOMATIC CUTTING MACHINE

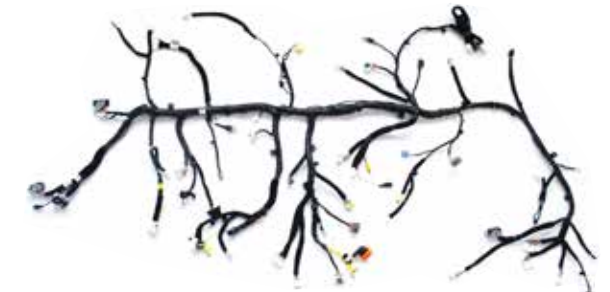
Quantity: 9 machines

Capacity: 1,200 products/hour

## CAR- BUS- TRUCK WIRE HARNESS



Bus wire harness



Passenger car wire harness

## ELECTRICAL - ELECTRONIC - REFRIGERATION WIRE HARNESS PRODUCTS



Electronic equipment's wire harness



Refrigeration equipment's wire harness





## AIR CONDITIONER PLANT



**Area:** 5,000 m<sup>2</sup>

**Capacity:** 300,000 sets/ year

**Product:** Air conditioner, exhaust gas pipe, condenser for truck - bus - passenger car,...



### FIN MACHINE

Strip input speed: Max 300 m/min  
Fin thickness: 0,08 ~ 0,2 mm



### NB FURNACE

Temperature brazing furnace: Max 6500C  
Capacity: 90 product/ hour

## AIR- CONDITIONER AND AIR-CONDITIONER PARTS



Bus evaporator



Bus air conditioner



Passenger car air conditioner



Condenser



Exhaust gas pipe



## INTERIOR COMPONENTS PLANT



**Area:** 3,200 m<sup>2</sup>

**Capacity:** 7,000 sets/year

**Product:** Plastic interior, car - bus - truck PU Foam; extrusion, blowing plastic products,...



**EXTRUSION BLOW MOLDING MACHINE 0.5 ~ 5L**

Production volume: 0.5L ~5L  
Material: HDPE, LDPE...



**EXTRUSION BLOW MOLDING MACHINE 10 ~ 30L**

Production volume: 10L ~30L  
Material: HDPE, LDPE, ABS...

## AUTOMOTIVE INTERIOR COMPONENTS



Front headlining



Rear headlining



Dashboard - assy main



Luggage compartment mat



Spoiler



Luggage compartment mat



Bus bed frame cover (RR)



Bus bed frame cover (FRT)



## AUTOMOTIVE SPRINGS PLANT



**Area:** 2 ha

**Capacity:** 12,000 tons springs/ year

**Product:** Light truck, medium duty truck, semi- trailer springs, leaf springs products,...



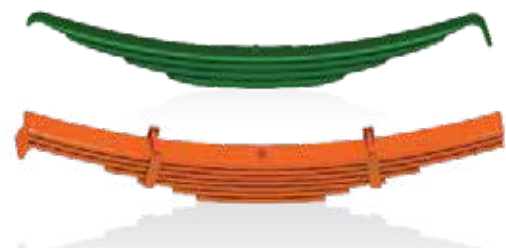
LIGHT TRUCK MULTI LEAF SPRINGS



MEDIUM DUTY TRUCK MULTI LEAF SPRINGS



SEMI- TRAILER SPRINGS



LEAF SPRINGS

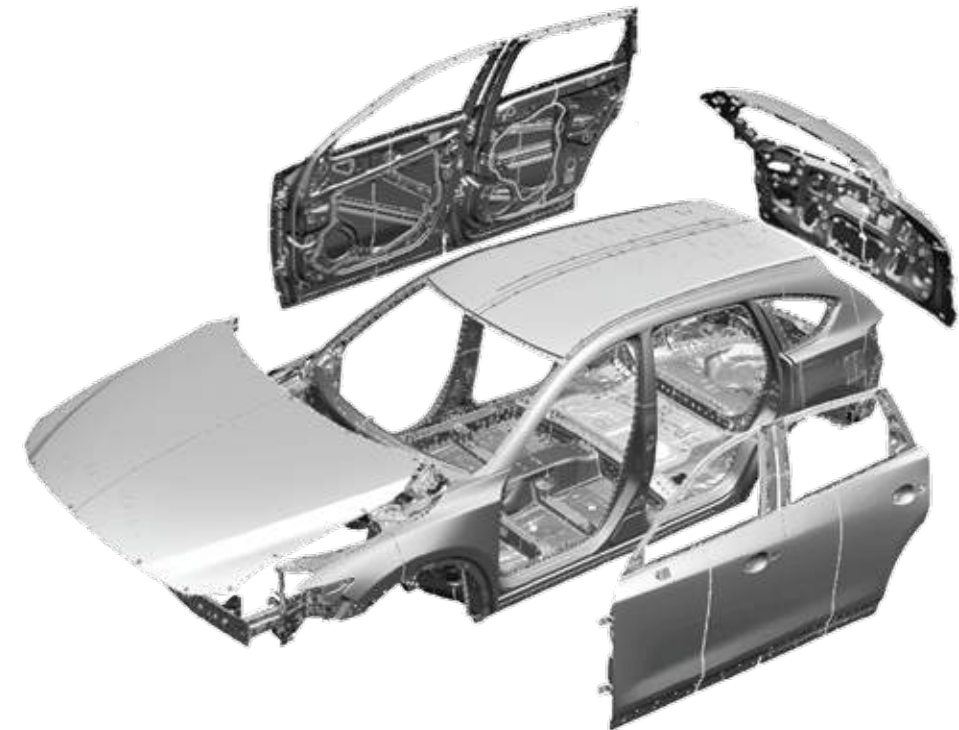
## BODY PARTS PLANT



**Area:** 5,000 m<sup>2</sup>

**Capacity:** 60.000 sets/ year

**Product:** Body parts for car (doors, trunk lid, hood)





## COMPOSITE PLANT



**Area:** 1.1 ha  
**Capacity:** 38,000 sets/year  
**Product:** Car - bus - truck components and others.



Racing seat frame



Canopy



Spoiler



Composite flower pot



Garbage can



Mounted sprayer tank

## SPECIALIZED SEALANT AND FLUID PLANT



**Area:** 2,000 m<sup>2</sup>  
**Capacity:** 900 tons sealant/ year, 6,000 m<sup>3</sup> specialized fluid, 1 million tape rolls/ year  
**Product:** Adhesive tape, painting workshop tape, welding workshop tape, specialized fluid.



Pre-mixed engine coolant



Silicone adhesive



Windshield washer fluid



Diesel exhaust fluid



Butyl tape



PVC body sealer





**Area:** 5,600 m<sup>2</sup>  
**Capacity:** 100 million pairs/ year  
**Product:** Latex coated gloves, PVC coated gloves, Polyester gloves, normal safety gloves.



Latex coated glove



PVC coated glove



Polyester glove



Cotton gloves



**Area:** 6,000 m<sup>2</sup>  
**Capacity:** 80,000 tons/ year  
**Product:** Carton packaging for food, electronic, furniture, fashion, agriculture.



2 layers carton



3 layers carton



5 layers carton



Waterproofing carton





## RESEARCH & DEVELOPMENT ACTIVITY

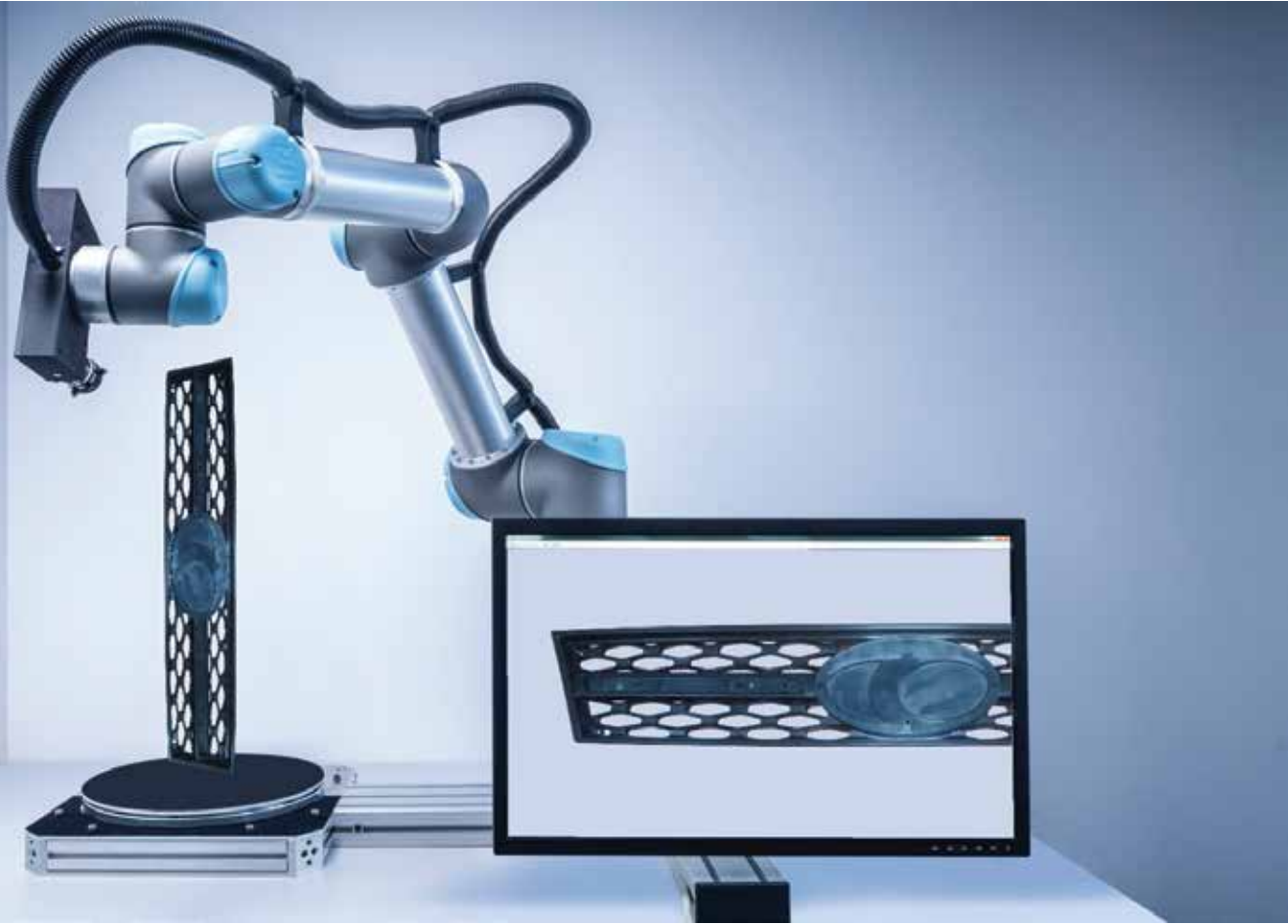
Identifying research and development as an important factor in enhancing the competitive advantage of products and brand positioning, **THACO Industries** always focuses on investing in R&D activities.

**THACO Industries** has established an R&D Center with more than 350 experienced engineers and professionals with the aim of:

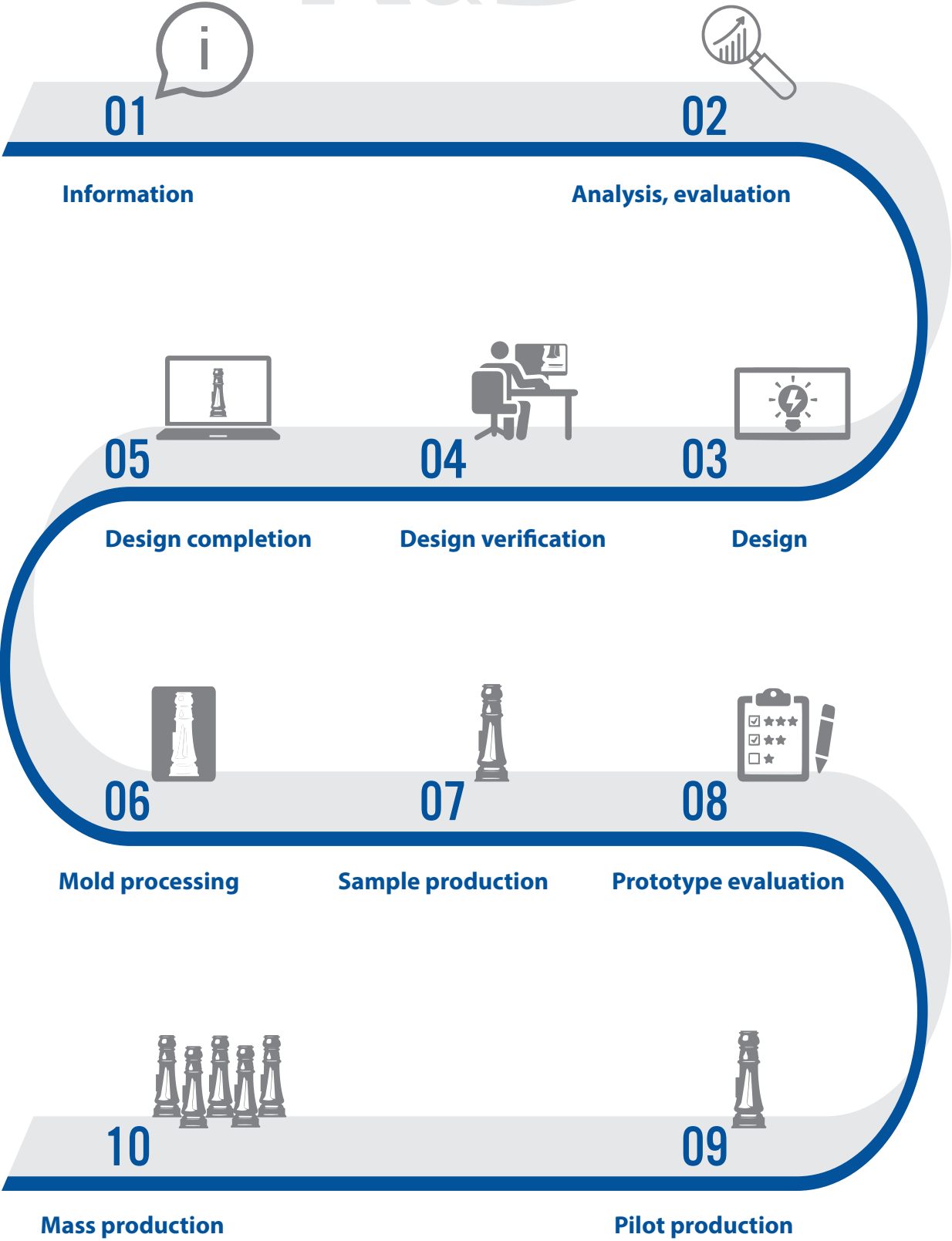
Research and develop a variety of products according to the unique needs of customers.

Application of breakthrough new technology and modern design, calculation and simulation software such as NX, Catia, Moldflow, Autocad, HyperWorks...

Training to improve knowledge and skills for engineers, and recruiting experts from Korea and Japan to train young engineers and develop R&D human resources.



# R&D







**QUALITY CONTROL SYSTEMS**

ISO 17025 STANDARD OF MATERIALS AND MECHANICS EXPERIMENT



**Materials - Mechanics laboratory**



**Universal mechanical material testing machine**



**Ultrasonic welding point machine**



**Hardness testing equipment**



**Fatigue testing equipment**



**Load testing equipment**



**Flammability tester**

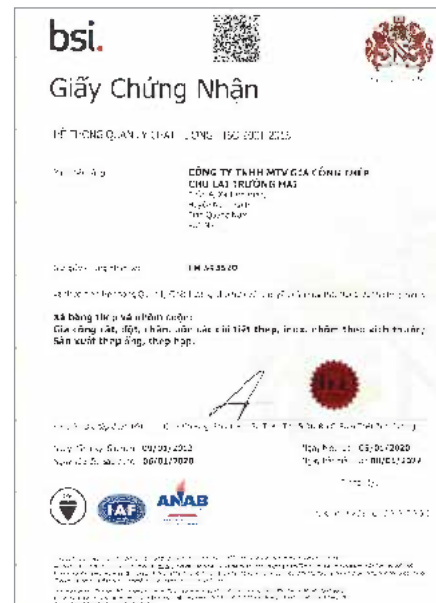


**Traction and compression test machine**



**PU padding hardness tester**





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- SEAT PLANT
- INTERIOR COMPONENTS PLANT
- PLASTIC COMPONENTS PLANT
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- ELECTRIC COMPONENTS PLANT
- GLASS PLANT
- SPECIALIZED SEALANT AND FLUID PLANT

- STEEL PROCESSING PLANT
- MOLDS PLANT
- MECHANICAL COMPLEX
- SPECIAL VEHICLES PLANT
- BODY PARTS PLANT

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- GLASS PLANT





## EXPORT MARKET



## DOMESTIC CUSTOMERS



## EXPORT CUSTOMERS



Plastic sink



Passenger car bumper



Bus glass



Fuel tank 3,000 L



Semi-trailer



Mechanical component



2018年4月 炭木工業(株)と(株)ピーエヌシーが合併し  
ディーアイビーコンポジットとなります！

