



THACO INDUSTRIES



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**SUPPORTING INDUSTRIES & MECHANICS
CORPORATION**



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Supporting Industries & Mechanics Corporation - THACO Industries has the area of 120 ha, investment capital of USD 550 million with 5,500 employees. THACO Industries includes mechanical manufacturing & processing complex, supporting industrial zone 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 sets the goal for joining the global value chain with the strategic vision and thinking.

VISION

TO BECOME THE LEADING CORPORATION IN VIETNAM
MANUFACTURING MECHANICS AND SUPPORTING INDUSTRIES SECTOR,
ASEAN & INTERNATIONAL INTEGRATION

MISSION

TO BRING THE HIGHEST VALUE TO CUSTOMERS,
AND TO MAKE CONTRIBUTION INTO THE VIETNAM MECHANICS
AND SUPPORTING INDUSTRIES DEVELOPMENT STRATEGY

THACO INDUSTRIES PROVIDES 4 MAIN CATEGORIES:

Mechanical products: Supplying steel material, mechanical processing, mold dies, 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 components, accessories.

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

Services: designing, testing material, surface treatment (zinc-electroplating, blasting, heat treatment, ED coating, 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, 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
Products: 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: 8 mm (steel); 4 mm (inox)
 Cutting size: Ø20 - 220 mm; □15 - 155 mm



HYDRAULIC PRESS MACHINE 1,000 TONS

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



Area: 5,000 m²

Capacity: 600 sets/ year

Products: 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
Products: Automobile mechanics, construction mechanics, industrial equipment, agro-forestry mechanics, surface treatment...



WELDING ROBOT LINE
 Quantity: 100 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: 150 kg
 Axis travel: 1,800 x 1,400 x 400 mm



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



Area: 20 ha
Capacity: 30,000 products/ year
Products: 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 12 METERS
 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



PRODUCTS

MECHANICAL PROCESSING & MOLD DIES



Steel coil roll



Steel sheets, non-ferrous metal



Square steel, tube steel



Plastic injection mold



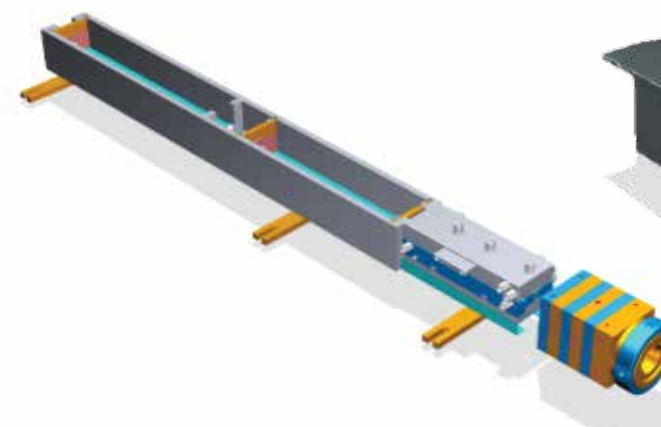
Stamping dies



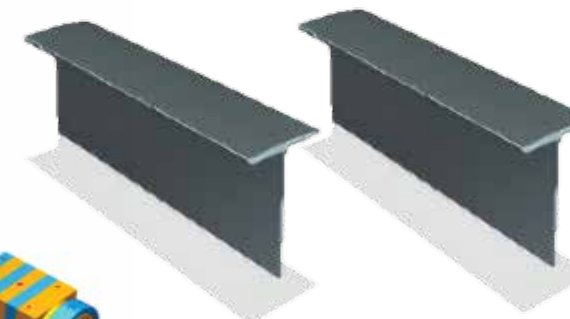
Punching & pressing parts



Bending parts



Plastic extrusion mold



Stamping parts



Laser cutting items



Precision mechanical processing



Heat treatment



PRODUCTS

INDUSTRIAL EQUIPMENT



Jig/ Fixtures



Electric monorail system



Industrial control cabinet



Tool cabinet



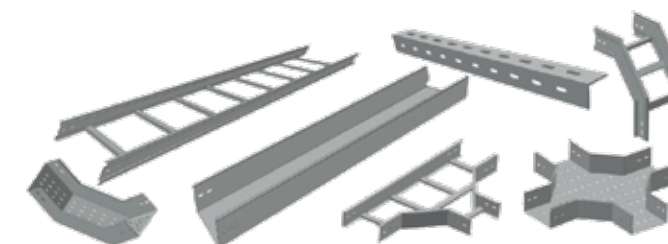
Automatic guided vehicle (AGV)



Crane base



Four-posts lifter



Cable trunking



Conveyor



Storage shelves



Processing line for fodder



Processing line for fruits, vegetables



PRODUCTS

AGRO-FORESTRY MECHANICS



Disc plough



Tree planting equipment



Chemical sprayer system



Mixer machine



Feed storage farm silo



Farm equipment

CONSTRUCTION MECHANICS



Construction and civil steel assy



Pre-engineered steel building



Ventilation and air-conditioning system



Construction building installation



PRODUCTS

AUTOMOBILE MECHANICS



Dump box



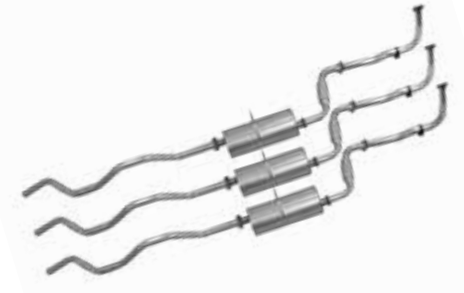
Refrigeration box



Seat frames



Hydraulic cylinders



Exhaust systems



Specialized medical truck body
for X-ray and ultrasound



Specialized truck body
for mobile vaccination



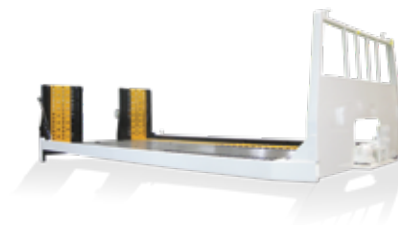
45' Gooseneck
3 axles, 06 twist locks



40' Flatbed
3 axles, 08 twist locks



Fuel tank



Safety loader deck



Heavy dump, 17 m³



Carrier semi trailer

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 BODY PARTS PLANT
- 09 COMPOSITE PLANT
- 10 SEALANT & SPECIALIZED FLUID PLANT
- 11 GLOVES PLANT
- 12 PACKAGING PLANT



PLASTIC COMPONENTS PLANT



Area: 3.5 ha
Capacity: 32,000,000 products/year
Products: 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



HDPE plastic pipe



Hydroponic plastic pipe



Plastic bottle



GLASS PLANT



Area: 6 ha

Capacity: 50,000 sets/year

Products: 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

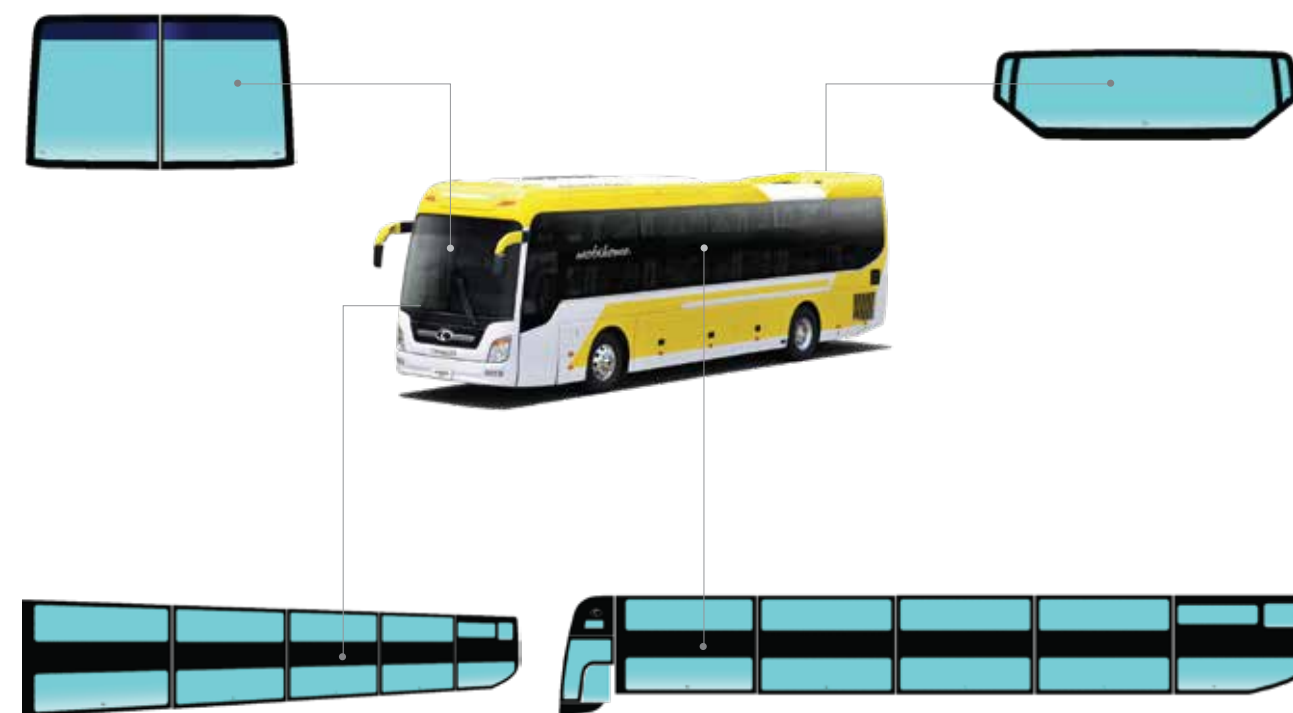


2D GLASS TEMPERING FURNACE

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



CAR GLASS



Door glass, side-fixed glass & windshield



HOUSEHOLD EQUIPMENT GLASS



Tempered glass



SEAT PLANT



Area: 12,000 m²

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

Products: Truck - bus - passenger seats, 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 seat



Bus seat



Passenger car seat



CAR ACCESSORIES



Passenger car cover



Floor mat



Gear knob



Sun protector cover



Car cover



Backrest & neck pillow



ELECTRIC COMPONENT PLANT



Area: 7,000 m²
Capacity: 65,000 sets/year
Products: 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 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 m²

Capacity: 300,000 sets/year

Products: 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 650°C
Capacity: 90 products/hour

AIR- CONDITIONER AND AIR-CONDITIONER PARTS



Bus evaporator



Bus air conditioner



Passenger car air conditioner



Condenser



Exhaust gas pipe



Area: 3,200 m²

Capacity: 45,000 sets/year

Products: 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...



Front headlining



Rear headlining



Dashboard - assy main



Luggage compartment mat



Spoiler



Trim partition side



Bus bed frame cover (RR)



Bus bed frame cover (FRT)

AUTOMOTIVE SPRINGS PLANT



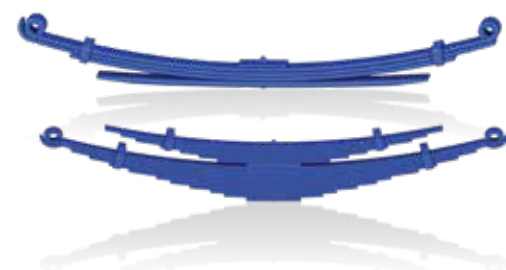
Area: 2 ha

Capacity: 12,000 tons/year

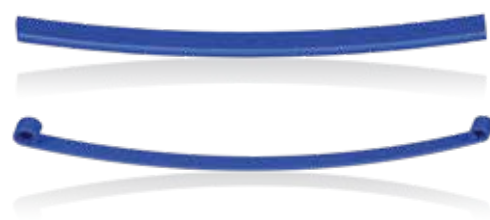
Products: Light truck, medium duty truck, semi-trailer springs, leaf springs products,...



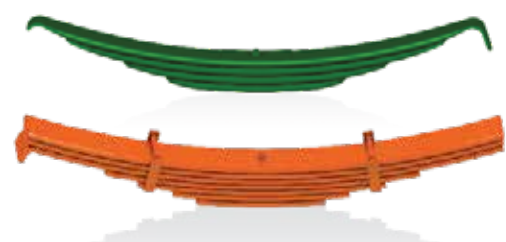
LIGHT TRUCK MULTI LEAF SPRINGS



MEDIUM DUTY TRUCK MULTI LEAF SPRINGS



LEAF SPRINGS



SEMI-TRAILER SPRINGS

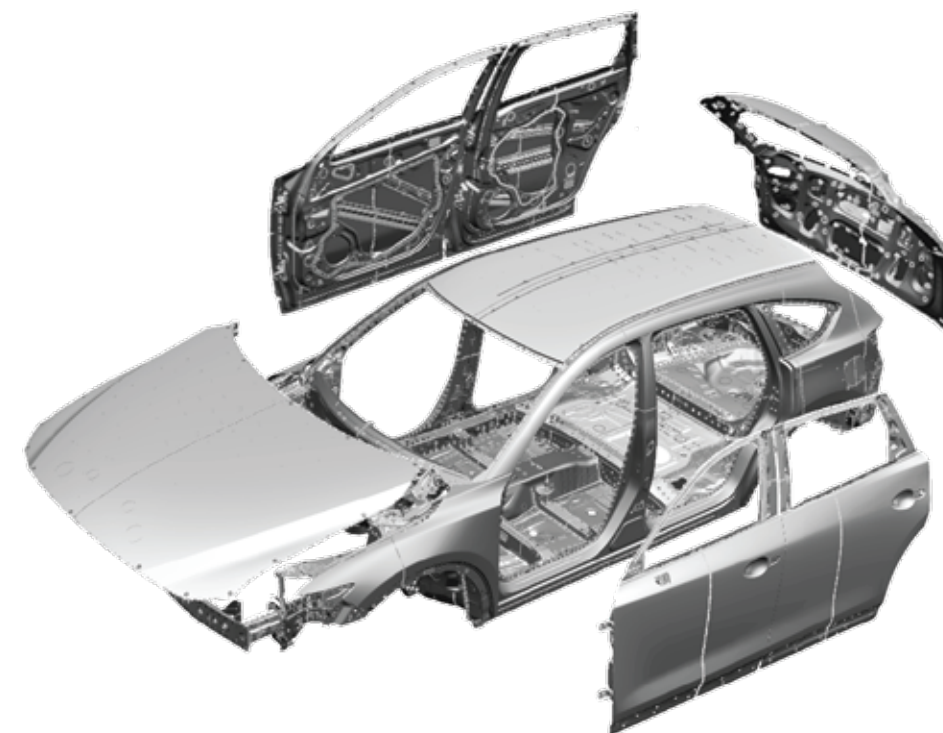
BODY PARTS PLANT



Area: 5,000 m²

Capacity: 60,000 sets/year

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





COMPOSITE PLANT



Area: 1.1 ha
Capacity: 38,000 sets/year
Products: Composite products used for construction - civil - industry - agriculture, packing, glove.



Racing seat frame



Spoiler



Canopy



Composite flower pot



Mounted sprayer tank



Garbage can



SPECIALIZED SEALANT AND FLUID PLANT



Area: 2,000 m²
Capacity: 900 tons sealant/year, 6,000 m³ specialized fluid, 1 million tape rolls/year
Products: 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



GLOVE PLANT



Area: 5,600 m²

Capacity: 100 million pairs/year

Products: Latex coated gloves, PVC coated gloves, Polyester gloves, normal safety gloves.



Latex coated glove



PVC coated glove



Polyester glove



Cotton gloves



PACKAGING PLANT



Area: 6,000 m²

Capacity: 80,000 tons/year

Products: Carton packaging for food, electronic, furniture, fashion, agriculture.



2 layers carton



3 layers carton



5 layers carton



Waterproofing carton



RESEARCH & DEVELOPMENT ACTIVITY

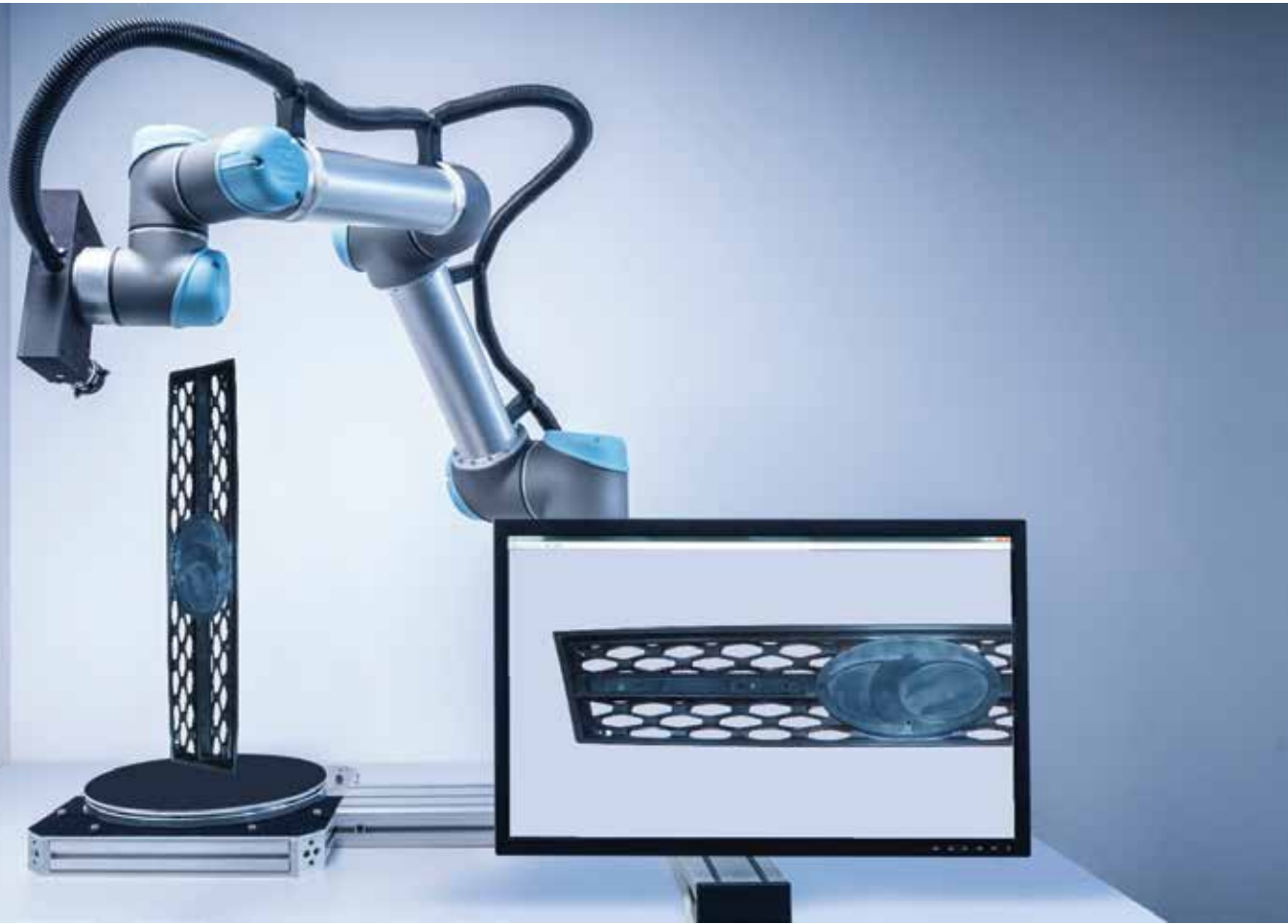
Identifying research and development as an important factor in enhancing the competitive advantage of products and brand positioning, **THACO Industries** always focuses on investing in R&D activities.

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

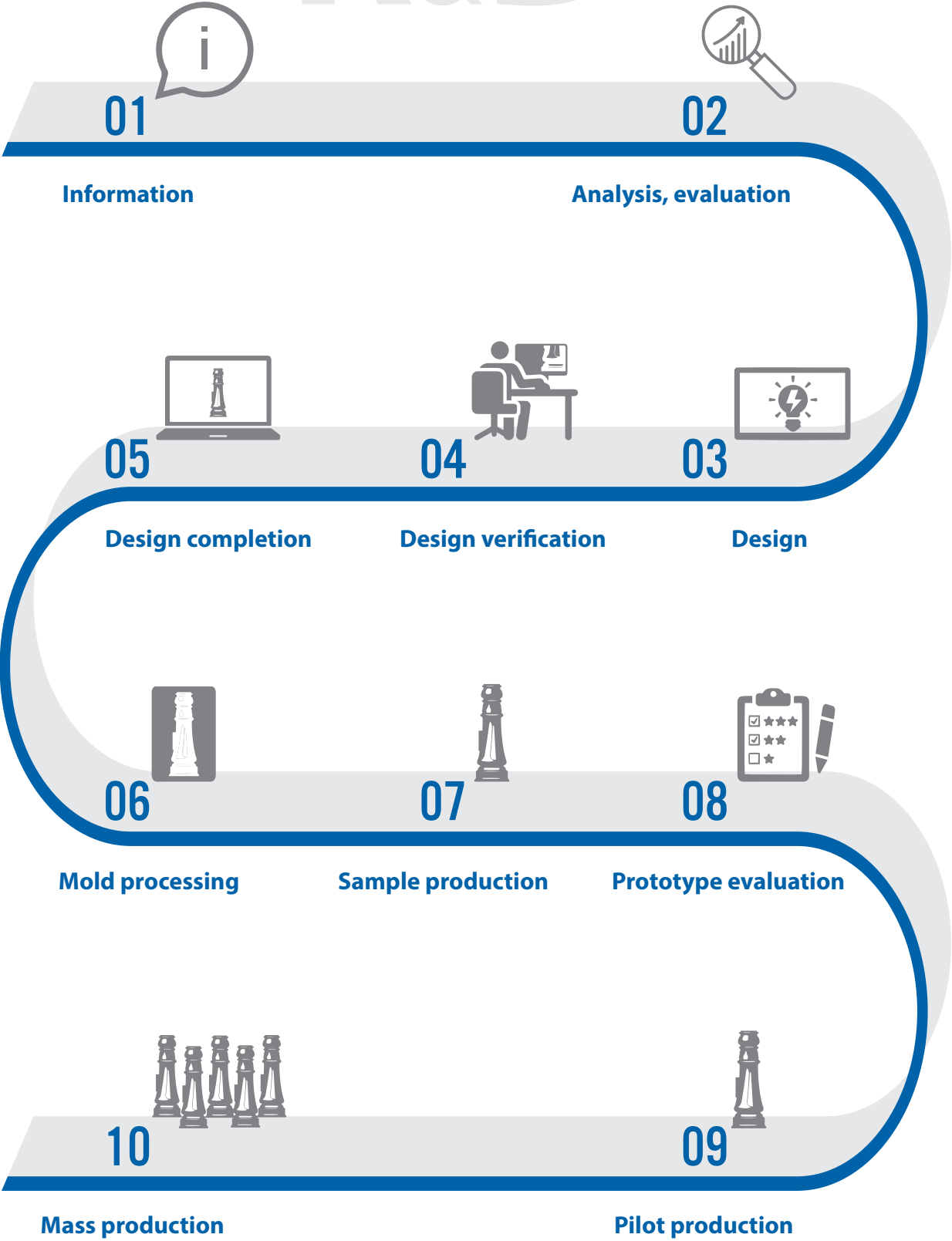
Research and development a variety of products according to the unique needs of customers.

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



Traction and compression test machine



PU padding hardness tester



Hardness testing equipment



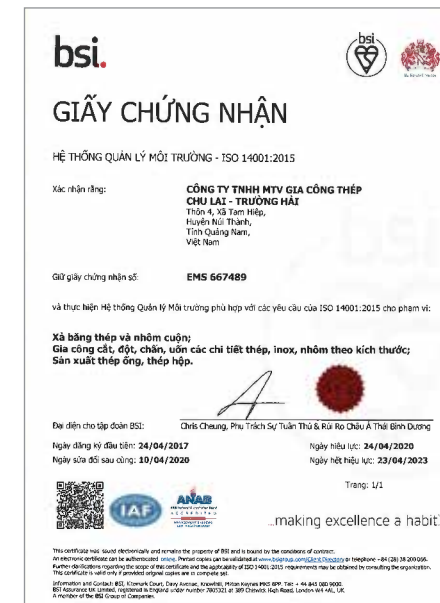
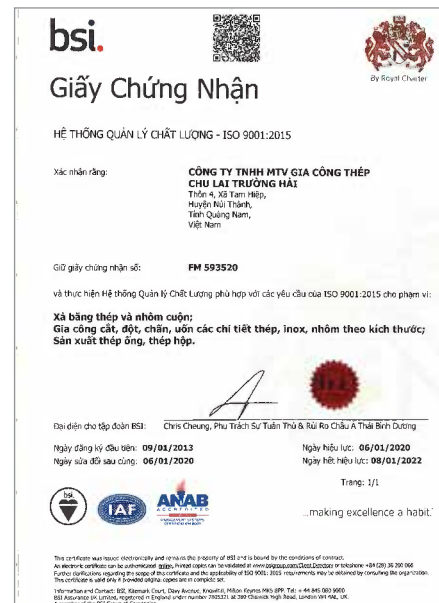
Fatigue testing equipment



Load testing equipment



Flammability tester



1. QUALITY MANAGERMENT SYSTEMS (IATF 16949:2016)

- AUTOMOTIVE SPRINGS PLANT
- SEAT PLANT
- INTERIOR COMPONENTS PLANT
- PLASTIC COMPONENTS PLANT
- COMPOSITE PLANT
- AIR CONDITIONER PLANT
- ELECTRIC COMPONENTS PLANT
- GLASS PLANT
- SEALANT & SPECIALIZED FLUID PLANT

2. QUALITY MANAGERMENT SYSTEMS (ISO 9001:2015)

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

3. ENVIRONMENT MANAGERMENT SYSTEMS (ISO 14001:2015)

- STEEL PROCESSING PLANT
- MOLDS PLANT
- MECHANICAL COMPLEX
- SPECIAL VEHICLES PLANT
- AUTOMOTIVE SPRINGS PLANT
- SEAT PLANT
- INTERIOR COMPONENTS PLANT
- PLASTIC COMPONENTS PLANT
- AIR CONDITIONER PLANT
- ELECTRIC COMPONENT PLANT

4. ECE R43 TECHNICAL SAFETY CERTIFICATE

- GLASS PLANT



EXPORT MARKET



DOMESTIC CUSTOMERS



EXPORT CUSTOMERS



Plastic sink



Passenger car bumper



Bus glass



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



Soosung Motors Technology



Fuel tank 3,000 L



Semi-trailer



Mechanical component