

RESEARCH & DEVELOPMENT

We focus on R&D activities with the goal of researching and developing solutions to improve the efficiency of product application in each business sector to meet the highest requirements of domestic and foreign customers.



QUALITY CONTROL



Mechanics - Materials Laboratory



Spectrophotometer



Welding defect ultrasonic machine



Universal mechanical material testing machine



Hardness testing machines



CMM AT960 machine

SUPPORTING INDUSTRIES AND MECHANICS CORPORATION

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THACO CHU LAI AUTOMOTIVE & MECHANICAL INDUSTRIAL ZONE



SUPPORTING INDUSTRIES COMPLEX (13 PLANTS)

- 01 INTERIOR PARTS PLANT**
Capacity: 45,000 sets/year
- 02 COMPOSITE PLANT**
Capacity: 38,000 sets/year
- 03 AIR-CONDITIONER PLANT (Truck & bus)**
Capacity: 50,000 sets/year
- 04 AIR-CONDITIONER PLANT (Passenger Car)**
Capacity: 60,000 sets/year
- 05 SEAT PLANT**
Capacity: 90,000 pcs/year
- 06 WIRE HARNESS PLANT**
Capacity: 65,000 pcs/year
- 07 GLASS PLANT**
Capacity: 50,000 sets/year

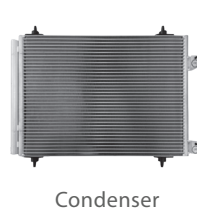
- 08 AUTOMOTIVE SPRINGS PLANT**
Capacity: 12,000 tons/year
 - 09 PLASTIC PLANT**
Capacity: 32,000,000 sets/year
 - Other plants:**
 - AUTOMOTIVE BODY PARTS PLANT
 - CHEMICAL PLANT
 - GLOVES PLANT
 - PACKAGING PLANT
- Quality control system**
IATF 16949:2016
ISO 9001&14001: 2015

BUSINESS PRODUCTS

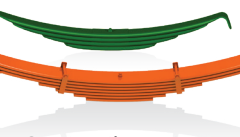
- Automobile & Motorbike Components - Accessories
- Industrial and Civil Plastic - Composite Products
- Glue and specialized solution
- Supporting products



Passenger car bumper



Condenser



Semi-trailer springs



Seat cover



Mechanical component



Push cart

EXPORT PRODUCTS & MARKETS



Fuel tank



Safety loader deck



Semi-trailer

MECHANICAL MANUFACTURING AND PROCESSING COMPLEX (4 PLANTS)

- 01 MECHANICAL COMPLEX PLANT**
Capacity: 50,000 box & 300,000 products/year
- 02 STEEL PROCESSING PLANT**
Capacity: 255,000 tons/year
- 03 MOLDS MANUFACTURING PLANT**
Capacity: 600 sets/year
- 04 SPECIAL VEHICLES MANUFACTURING PLANT**
Capacity: 30,000 products/year

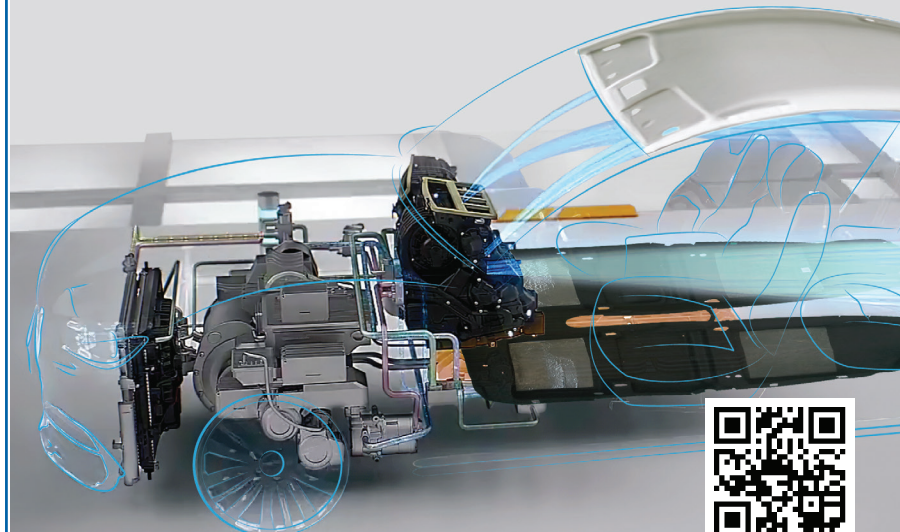
BUSINESS PRODUCTS

- Supply steel billet and mold dies
- Mechanical processing product
- Agro-forestry equipment
- Construction product
- Industrial equipment
- Semi trailer

Quality control system
ISO 9001&14001: 2015



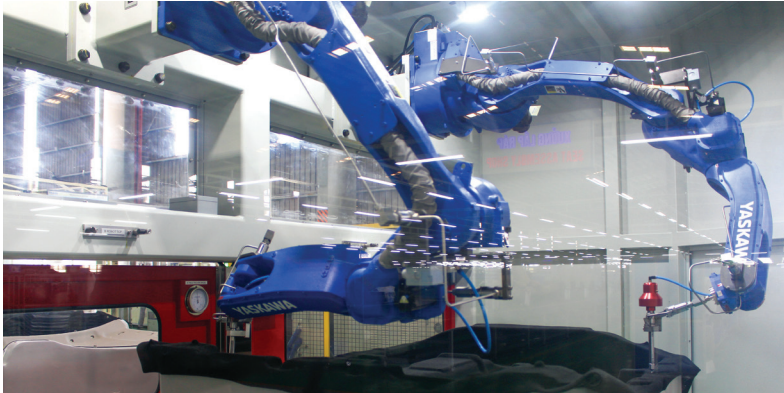
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TECHNOLOGIES

Waterjet cutting robot



Capacity: 200 sets/8 hours
Advantage: Transferred from Korea, meet the quality standards of Kia, Mazda, Peugeot automotive manufacturers.

Heating machine for headlining



Capacity: 200 sets/8 hours
Advantage: The most advanced heating and pressing technology currently.

Painting robot



Capacity: 160,000 sets/year
Advantage: Technology that meet the high-class paint colors quality standard of Mazda Japan.

HDPE extruded pipe line Φ(355÷800)mm



Capacity: 9,300m/month
Advantages: Advanced automatic plastics extruded technologies, providing outstanding production efficiency.

3200 tons injection machine



Dimension: 17,000 x 5,000 mm | Capacity: 120,000 pcs/year
Advantage: Automatic plastic drying mode and material self-supply system was transferred from Austria.

Heating furnace



Capacity: 6,000 tons/ year
Advantage : Modern technology, equivalent to spring production line from Daewon (Korea).

TECHNOLOGIES

Workpiece processing



Fiber laser cutting machine



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

Slitting line

Quantity: 03 machines
Thickness: 25 mm
Cutting size: 50 - 1,200 mm

Square steel, tube steel laser cutting machine



Thickness: 8mm(Steel); 4mm(Stainless steel)
Cutting size: Ø20 – 220 mm; □15 - 155 mm

Surface treatment machining



ED coating line

Max material size (L x W x H): 10,500 x 1,000 x 2,500 mm
Salt mist resistance : 1,000 hours

Non cutting shaping



Hydraulic press machine 1,000T



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

CNC pressing machine

Material: Steel, aluminium, stainless steel
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

Welding machining



Welding robot

Welding robot combine jig capable of variety of welding forms and structures.

CNC machining



CNC gun drilling machine



Max load on table: 20,000 kg
Axis travel: 2,500 x 1,250 x 1,700 mm

Vertical milling machine

Axis travel: 4,200 x 3,000 x 1,100 mm
Max load on table: 30,000 kg

EDM machine



Max load on table: 16,000 kg
Axis travel: 2,700 x 1,100 x 600 mm

Heat treatment machining



Heat treatment furnace

Materials processing: SKD11, SKD61, 2083, P20,...
Size: 1,000 x 1,150 x 800 mm - Hardness: 58 – 62 HRC

PRODUCTS



Car seat



Floor mat



Bus glass



Air conditioner



Spoiler



Wire harness



Headlining



Box assy



Canopy



Spoiler



Plastic sink



Plastic core spun thread



Luggage compartment liner



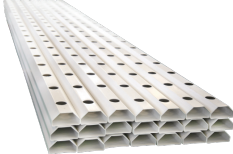
Composite trash can



Plastic pallet



Latex coated gloves



Hydroponic plastic pipe

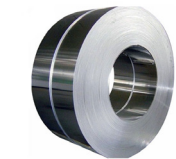


HDPE plastic pipe

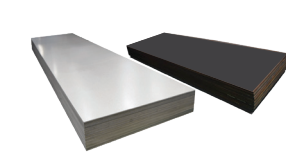


Washer fluid

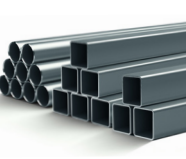
PRODUCTS



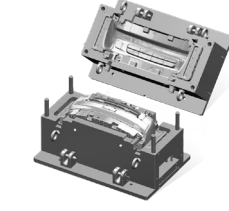
Coiled steel roll



Steel sheets & non-ferrous metal



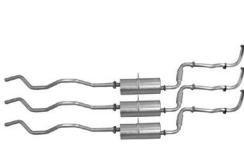
Tube steel



Mold base



Precision mechanical processing



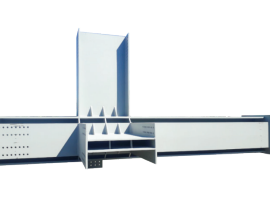
Exhaust systems



Seat frames



Specialized medical truck body



Construction and civil steel assy



Packing equipment



Farm equipment



Feed storage farm silo



Automatic guided vehicle



Jig/ Fix ture



Electric monorail system