



Website https://thacosv.vn





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



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EXPORT MARKET





THACO SPECIAL VEHICLES MANUFACTURING

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Founded	2016
Area	10 ha
\$ Capital	USD 25 million
Capacity	30,000 units/year
Workforce	700 people
Products	Semi-trailers Trailers and special vehicles

Thaco Special Vehicles Manufacturing Limited Company was established on February 2016, specializes in manufacturing semi-trailers and specialized equipment as per customers' requirements.

The company is invested in a modern technology system and operates according to strict production processes such as slitting line, Fiber laser cutting machine, CNC pressing machine, automatic welding equipment, semi-trailer chain turning equipment, paint line (ED, powder coating, shot blasting, ...). Products always meet the standards of the quality management system (ISO 9001: 2015) and environment (ISO 14001: 2015).

Recently, the factory has produced and supplied for the domestic and some export markets such as: USA, Korea, Japan, Thailand, Cambodia, Myanmar. To increase the export to the US and other markets like Japan, Canada, and Australia, the firm upgrades the capacity of a semi-trailer and heavy component factory to 30,000 units per year.



PRODUCTS ASEAN MARKET

OCH

20´ Skeleton, 2 axles, 04 twist locks



40' Skeleton, 3 axles, 08 twist locks



45' Gooseneck 3 axles, 06 twist locks



40' Flatbed 3 axles, 08 twist locks



Heavy dump, 17m³



40' Skeleton, 2 axles, 08 twist locks



45' Skeleton, 3 axles, 12 twist locks



48' Gooseneck 3 axles, 6 twist locks



45' Flatbed 3 axles, 10 twist locks



Car - carrier semi trailer

HIGH STARDARD MARKET



20' Slider, 2 axles



40'/45' Extendable, 2 axles



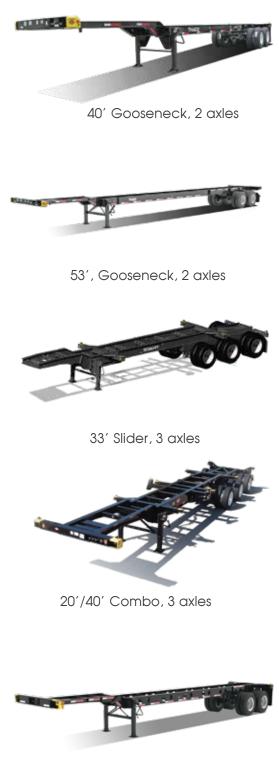
20'/40', Combo, 2 axles



20/40' City Combo, 2 axles



Low bed



40' Gooseneck Light Weight



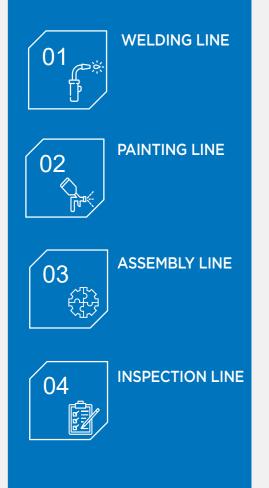
TECHNOLOGY

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SAFETY FIRS

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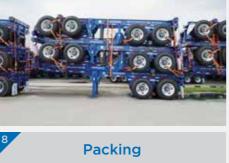
TOTAL AREA 16,100M² **INCLUDING 4 MAIN** PRODUCTION LINES





HAPETY FIRST

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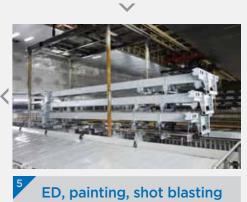










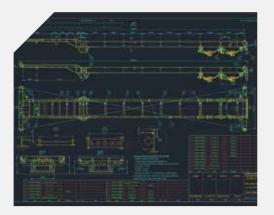




DESIGN & SIMULATION



- ✓ DESIGN PROCEDURE
- DESIGN CONTROL DRAWING
- ✓ 2D, 3D SIMULATION



2D DESIGNING AUTOCAD SOFTWARE

Description, overview and detail calculation of products. Dimension and tolerance display.

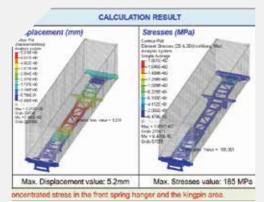


Testing machine (material properties testing)



3D DESIGNING CATIA SOFTWARE

The optimization for durability calculation and accuracy increasing. Assembly processing display.



SIMULATION, CALCULATION: **HYPERWORKS**

Simulation, analyzing, data management Product structural strength calculation. Design and production processing optimization.





Spectrograph machine (material composition testing)



FABRICATION



- WORKPIECE CUTTING:
 CNC laser cutting machine,
 CNC Plasma, CNC Oxy Gas
- PREVENTING VARIATION OF WELDING CONNECTING POINTS: Hydraulic Press Machine, Lathe, Milling,...



SLITTING LINE

Thickness: 0.3 - 6 mm Width material: 50 - 1,200 mm



FIBER LASER CUTTING MACHINE

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



CNC PRESSING MACHINE



SQUARE STEEL, TUBE STEEL LASER CUTTING MACHINE TH



CNC GAS & PLASMA CUTTING MACHINE

Thickness material: 0.6 - 12 mm Max-Length: 12,000 mm

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

> Thickness: 150 mm Cutting size: 3,200 x 15,000 mm



WELDING ACTIVITIES



CAPACITY:
 55 chassis/day
 Dump box, semi-trailer welding



AUTOMATIC WELDING EQUIPMENT

Manufacturer: Miller (American) Working length: 40,000 mm



SEMI TRAILERMax load: 10 tonsCHAIN TURNING EQUIPMENTDimension (LxWxH): 6,000 x 4,100 x 5,000 mm



BD & WD cross beam



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⁴ Underside welding



⁵ Side welding

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³ Welding to connect chassis frame







PAINTING ACTIVITIES



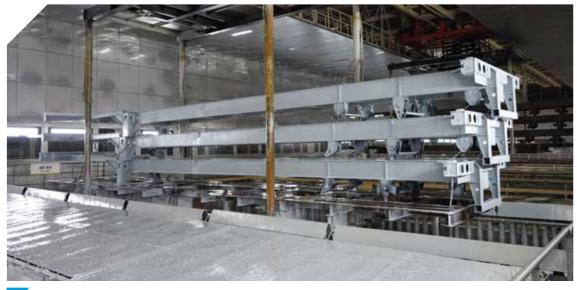
CAPACITY:55 chassis/day





SHOT BLASTING BOOTH

Max material: 18,000 x 1,500 x 2,500 mm Load: 10,000 kg



ED COATING LINE

16

Max material: 18,000 x 1,400 x 2,500 mm Salt mist resistance: 1,000 hours Capacity: 33,000 set/years



POWDER COATING LINE



TOPCOATING LINE

Max material: 18,000 x 1,500 x 2,500 mm Load: 140 kg

Max material: 18,000 x 5,080 x 5,000 mm Pain pressurer: $P = 5.5 \text{ kg/cm}^2$



ASSEMBLY ACTIVITIES



CAPACITY:
 55 chassis/day
 Dump box, semi-trailer welding





¹ Air system ass'y



² Electric system ass'y

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7 Tire assembling



⁶ Air and electric system connection



³ Connect front & rear frame



⁵ Axle adjusting & assembling



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4 Suspension & axle ass'y



INSPECTION







Checking braking system





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² Under pit inspection

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³ Weight

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PACKING







¹ Stacking into bundle





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² Fastening

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³ Inspection

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QUALITY CERTIFICATION

QUALIFIED SUPPLIERS



Quality management system (ISO 9001:2015)



Environment management system (ISO 14001:2015)

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Type approval certificate for trailers and semi-trailers





Fuwa®



SA - Holland)













EXPORT MARKET



Exported the first batch of 870 semi-trailers to the US on December 15.













JMK CORPORATION



