

Double-Deck Scissor Car Lift – France Export Case Study

Case ID: 2601010

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Client: Sandy LEONELLI (French automotive aftermarket company)

Industry: Automotive aftermarket / vehicle repair equipment

Key Highlights: Ultra-low profile + pit installation + double-deck offset design + 8-ton capacity + 20GP segmented shipping + CE export

1. Customer Background & Requirements

France's vehicle fleet exceeds 39 million units, with average vehicle age rising to 10.8 years, creating strong demand for heavy-duty lifting equipment.

The client required an ultra-low-profile double-deck scissor lift with pit installation, heavy-duty capacity, offset columns, and full CE compliance for the French market.

2. Key Technical Solutions

Ultra-low Profile + Pit Installation

600mm closed height recessed into a 600mm pit, allowing flush-floor access for low-clearance vehicles.

Double-deck Offset Structure

Heavy-duty J300x150x8 scissor arms and reinforced base frame ensure stable lifting performance under eccentric loads.

Offset Column + Access Ladder

Shifted rear-left column improves vehicle access while the 3m steel ladder satisfies industrial safety requirements.

Segmented Design for 20GP Container

Platforms were segmented and pre-assembled to fit within 20GP dimensions, saving approximately USD 1,500–2,000 in freight cost.

CE Certification + EN 1493 Compliance

Complete technical documentation package supplied for fast EU market approval.

3. Project Value & Market Significance

For the Client

- Flush-floor access suitable for sports cars and low-clearance vehicles
- Double-deck workspace improves repair efficiency

- Reduced sea freight through segmented packing
- Faster local certification process with complete CE documentation

For Guanding

- Demonstrates mature custom engineering capability for European automotive equipment market
- Establishes replicable export framework for customized heavy-duty lifts
- Enhances competitiveness in EU garage equipment industry

4. Technical Specifications

Parameter	Specification
Equipment Type	Double-deck scissor car lift
Rated Capacity	4,000kg per deck / total 8,000kg
Lifting Height	3,000mm
Closed Height	600mm
Pit Depth	600mm
Lower Platform	2,600 × 5,900mm
Upper Platform	2,900 × 6,200mm
Hydraulic Cylinders	Φ140 × 2
Power Unit	7.5kW / 380V / 50Hz
Scissor Arm Section	J300×150×8
Platform Deck	Double 8mm chequer plate
Packing Method	Segmented, fits 20GP container
Certification	CE + EN 1493:2022
Order Date	February 5, 2026
Shipment Date	March 6, 2026

Core Strengths:

Ultra-low profile + pit installation + double-deck offset design + 8-ton capacity + segmented logistics + complete CE export experience.