

FenghuoCW

Forklift Counterweights & Fabricated Components

Precision-engineered counterweights for forklifts, aerial work
platforms, and heavy equipment

PRODUCT BROCHURE — 2026

Fenghuo Counterweights is a specialized manufacturer of forklift counterweights and fabricated steel components, headquartered in Qingdao, China. With over 15 years of industry experience, we produce Q355B steel plate welded composite counterweights and cast iron counterweights for electric and IC forklifts, reach trucks, pallet trucks, and aerial work platforms.

We work with OEMs, dealers, and distributors and welcome new partners worldwide. Our integrated manufacturing process — from laser cutting and press brake forming to MIG welding, steel sand filling, CNC machining, and surface finishing — ensures consistent quality and competitive pricing.

ISO 9001:2015 certified. OEM/ODM welcome. Fast sample delivery in 7–15 days.

Our Manufacturing Facility

Located in Jimo District, Qingdao, our facility is equipped with advanced machinery: 20kW laser cutting machines, automatic MIG welding stations, CNC machining centers, through-feed shot blasting machines, and a full paint/coating line. This vertical integration allows us to control quality at every step.

15+

Years Experience

ISO

9001

Quality Certified

Custom

Made to Your
Drawings

15+

R&D Engineers

We manufacture counterweights for all types of forklifts and material handling equipment. Each product is engineered to meet OEM specifications with precise weight tolerance and dimensional accuracy. We also offer OEM/ODM services for custom OEM forklift counterweight designs and AWP steel fabricated parts projects.



Electric Forklift Counterweight

Precision-cast counterweights for 1–5 ton electric forklifts. Compact design with optimized weight distribution.

- Weight Range:** 500 – 5,000 kg
- Material:** Cast Iron HT200 (EN-GJL-200) / Ductile Iron QT450-10 (EN-GJS-450-10)
- Application:** Toyota, Linde, Hyster, Yale & more



Forklift Welded Composite Counterweight

Heavy-duty counterweights for 1–10 ton IC forklifts. Robust steel construction with steel sand filling.

- Weight Range:** 1,000 – 10,000 kg
- Material:** Q355B (S355JR) Steel Plate
- Application:** Komatsu, Mitsubishi, Doosan & more



Reach Truck Counterweight

Space-efficient counterweights for 1–3 ton reach trucks. Optimized for narrow-aisle warehouse operations.

- Weight Range:** 800 – 3,000 kg
- Material:** Cast Iron HT200 (EN-GJL-200)
- Application:** Crown, Raymond, Jungheinrich & more



Pallet Truck Counterweight

Compact counterweights for electric pallet trucks and stackers. Lightweight, precise, and cost-effective.

- Weight Range:** 200 – 800 kg
- Material:** Q355B (S355JR) Steel Plate
- Application:** BT, Toyota, Crown & more



Aerial Work Platform Counterweight

Heavy-duty counterweights for scissor lifts, boom lifts, and aerial work platforms. AWP steel fabricated parts engineered for stability.

Weight Range: 500 – 8,000 kg

Material: Q355B (S355JR) Steel Plate

Application: Genie, JLG, Skyjack, Haulotte & more



Custom Counterweight Solutions

Engineered-to-order counterweights built to your exact drawings, 3D models, or sample specifications. Our OEM forklift counterweight service covers prototype to production.

Weight Range: Any specification

Material: Q355B (S355JR) Steel Plate

Process: 3D modeling → fabrication → welding → steel sand filling → machining → QC

All products available in OEM/ODM configurations. Custom designs, branding, and packaging welcome.

Every counterweight goes through a rigorous, integrated production line. Our in-house process ensures quality control at every stage and enables fast turnaround times for both standard and custom orders.

- 01

CNC Laser / Flame Cutting
Precision cutting of Q355B steel plates using 20kW laser cutting machines, ensuring accurate dimensions and clean edges.
- 02

Press Brake Forming
Accurate bending of steel plates to design specifications, achieving the required geometric shape and structural integrity.
- 03

MIG/MAG Welding
Structural welding of formed plates into a sealed box construction. All welds inspected for structural integrity and leak-tightness.
- 04

Steel Sand Filling
Compacted steel sand filling inside the welded structure to achieve the specified counterweight mass with precise weight control.
- 05

CNC Machining
Multi-axis CNC machining centers ensure precise mounting hole positions, flatness, and surface finish to your tolerance requirements.
- 06

Shot Blasting & Surface Treatment
Through-feed shot blasting followed by epoxy primer, PU topcoat, and custom color matching. Corrosion-resistant finishes available.
- 07

100% Quality Inspection
Every unit is checked for weight tolerance ($\pm 1\%$), dimensional accuracy, spectrometer material analysis, and surface defect inspection.

Engineering Support: Our R&D team of 15+ engineers works with 2D drawings (DWG, DXF, PDF), 3D CAD models (STEP, IGES, SolidWorks), and physical samples for reverse engineering. We partner with customers to optimize designs for manufacturability, cost, and performance.

15+ Years of Manufacturing Excellence

Over a decade and a half of steel fabrication and counterweight production experience, working with OEMs and aftermarket distributors.

100% Quality Inspection

Every counterweight is inspected for weight tolerance ($\pm 1\%$), dimensional accuracy, material composition, and surface finish before shipment.

OEM/ODM Engineering Support

Our R&D team (15+ engineers) works from your drawings, 3D models, or samples. Full CAD/CAM capabilities and reverse engineering available.

Competitive Pricing & Global Shipping

Direct factory pricing with FCL/LCL, FOB/CIF terms. We handle all export documentation and logistics for shipment worldwide.

Fast Sample Delivery (7–15 Days)

Rapid prototyping and sample manufacturing. Most custom samples are completed and shipped within 7–15 working days.

24/7 Technical Support

Our engineering team is available around the clock for technical consultations, drawing reviews, and production updates.

Our Capabilities at a Glance

Capability	Specification
Steel Plate Cutting	CNC laser / flame, up to 20kW
Welding	MIG/MAG, automatic welding stations
CNC Machining	Multi-axis CNC machining centers
Surface Treatment	Shot blasting, epoxy primer, PU topcoat
Weight Range	200 kg to 10,000+ kg per unit
Annual Capacity	50,000+ counterweights per year

Material certificates • Inspection reports • Weight certificates • Packing lists • Certificate of Origin (COO) • Commercial invoice • Bill of lading

Let's Discuss Your Requirements

Send us your drawings, specifications, or sample photos. We respond within 24 hours with a technical review and quotation.

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Fenghuo Counterweights Co., Ltd.

Jimo District, Qingdao City, Shandong Province, P.R. China

ISO 9001

Quality Certified

15+

Years Experience

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Made to Your Drawings

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