CHINACONNECT247 • INDUSTRIAL SOURCING & ENGINEERING DISCOVERY REPORT

Domestic Chinese Manufacturers & Engineering Equivalents for the Redler (UK) FulFiller® C Container Loading System

Prepared for Client Inquiry: High-Speed Belt-Throwing Bulk Container Loaders for Feed Pellets, Grains & Wood Chips • 15 Verified Chinese Manufacturers, Technical Architecture Review & Step-by-Step Coordination Process

1. Executive Summary: Direct Answer to Your Inquiry

Thank you for sharing the reference photographs and operational overview of the British **Redler (Schenck Process / Qlar Group) FulFiller® C Container Loading System** (Official Technical Brochure). Because your team is currently in the initial discovery stage—verifying whether domestic Chinese manufacturers build equipment with the same working principle before locking in final project parameters—our engineering and sourcing team conducted a primary-source investigation across China's bulk material handling, grain machinery, and container logistics manufacturing clusters.

Our Core Investigation Verdict:

- **Yes — The Core High-Speed Belt-Throwing Mechanism Is Manufactured in China:** We identified and verified **15 Chinese companies** across three distinct equipment categories that manufacture either high-speed endless-belt throwing heads (accelerating feed pellets, grains, and wood chips around a concave pressure-roller bend), heavy-duty mobile belt-throwing loaders, or specialized ISO container bulk loading and tilting systems.
- **Important Engineering Distinction (Why Standard Catalog Machines Need Adaptation):** While Chinese factories actively manufacture the **high-speed endless-belt throwing mechanism (高速无端皮带+压带轮抛料机)**, most domestic catalog models are mounted on wheeled frames or long booms designed to stack grain inside open flat warehouses (*平房仓装仓机*) or winnow grain in farmyards (*复合式抛粮机*). None of the 15 domestic factories currently lists an off-the-shelf catalog SKU that hangs directly off the rear corner castings of an ISO shipping container like the Redler FulFiller C.
- **How We Solve This in China (Standard Thrower Head + Custom Container Frame):** Three Tier-1 manufacturers in Anhui Province—led by publicly listed **Anhui Juli Grain Machinery (NEEQ: 872202)**, custom engineering specialist **Anhui Huazhong Machinery**, and heavy conveyor manufacturer **Anhui Yunlong Grain Machinery**—as well as dry-bulk container system integrator **Qingdao LAF Technology** and throwing-head specialist **Henan Haoming Machinery**, can supply the proven high-speed belt-throwing head mounted onto a custom rear-container forklift frame (MFF) or mobile hydraulic platform to match the Redler FulFiller C configuration at roughly **20%–35% of European OEM equipment cost**.

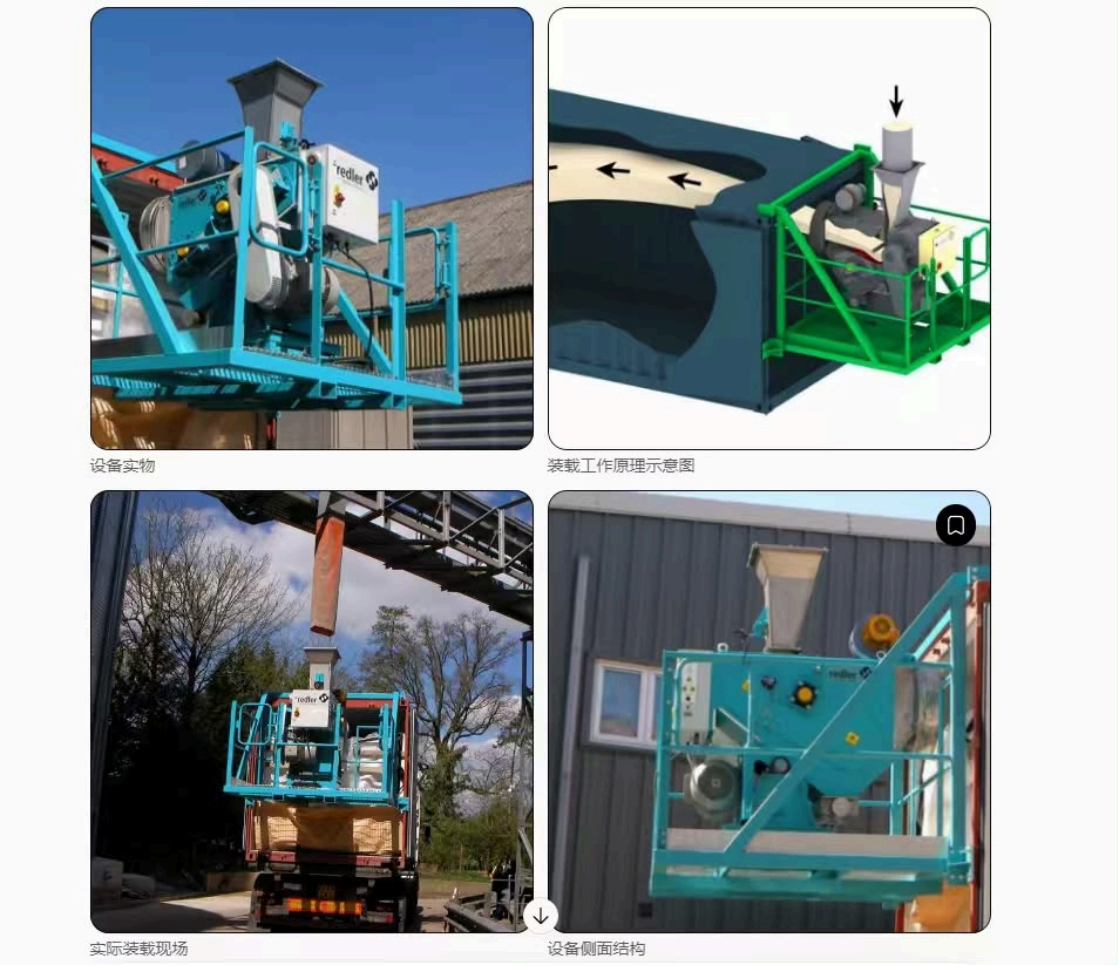

Figure 1: Your Reference Photographs of the Redler (UK) FulFiller® C Container Loading System — (Top-Left) Actual machine on container-mounted forklift frame; (Top-Right) 90° vertical-to-horizontal high-speed belt throwing trajectory over container rear bulkhead; (Bottom-Left) Live truck-mounted container loading under overhead feed chute; (Bottom-Right) Side structural view showing top feed hopper, 3-pulley triangular belt housing, pressure roller hub, and auxiliary fan.

2. Engineering Deconstruction of Your Reference Photos & Chinese Equivalents

As shown in your four reference photographs (Figure 1), the **Redler FulFiller® C** (and its Dutch industry peer, the **Nicor International Back-Door Belt Thrower**) is not an ordinary belt conveyor. A machine that merely turns left or right by ±90° is not equivalent. To load **feed pellets, grains, and wood chips** into a 20 ft (5.9 m) or 40 ft (12.0 m) ISO container in 10–15 minutes without crushing the pellets, the system relies on four specific assemblies:

FulFiller® C Subsystem (From Your Photos)	Redler (UK) Baseline Specification	Chinese Domestic Manufacturing Reality (Groups A, B & C)
1. 90° High-Speed Belt-Throwing Head (高速皮带+压带轮抛料头)	Material drops vertically from the top hopper onto a high-speed endless belt supported on rollers, accelerates around a **90° concave bend**, and throws horizontally into the container at **80 t/h (wood pellets), 90 t/h (grain), 100 t/h (pellet feeds & meals), up to 150–200 t/h (soya/sugar)**.	**Proven in China:** Manufactured by **Group A (#1–#3 in Anhui)** as high-capacity warehouse throwing heads (50–100+ t/h) and by **Group B (#6–#10 in Henan)** as standalone 3-pulley (drive drum + concave pressure roller + tail pulley) endless-belt throwers (30–60 t/h standard, upgradable to 80–120 t/h with an 11–15 kW motor).

FulFiller® C Subsystem (From Your Photos)	Redler (UK) Baseline Specification	Chinese Domestic Manufacturing Reality (Groups A, B & C)
2. Container-Hanging Forklift Frame & Platform (集装箱挂装叉车底座)	Teal/green steel frame with bottom forklift pockets and operator safety cage that hooks directly onto standard ISO container corner lugs (MFF) or sits on a mobile 800 mm hydraulic lift frame (DMF).	**Custom Fabrication Required:** Domestic Chinese throwers are mounted on wheeled carts or 10–20 m warehouse booms. However, **#1 Anhui Huazhong**, **#2 Anhui Juli**, and **#13 Yangzhou Coyotech** fabricate custom structural steel skids and can build the exact container-lug hanging frame shown in your photos.
3. Rear Bulkhead Collar & Liner Inflation Fan (挡粮板接口与充气风机)	Large circular stainless collar penetrates the rear wooden/canvas bulkhead or PE/PP container liner sleeve; built-in yellow/blue radial fan inflates the bulk liner before filling.	**Available via Integration: #12 Qingdao LAF Technology** manufactures the exact container dry-bulk liners, rear bulkheads, and automated loading spouts in China; any Group A/B thrower head can be fitted with a flanged circular spout and a 1.5–2.2 kW centrifugal blower.
4. Gentle Pellet Handling & Dust Safety (防破碎与防爆电控)	Centrifugal belt acceleration minimizes breakage on fragile feed pellets and wood pellets; ATEX Zone 22 dust-explosion certified control box with 5 m pendant controller.	**Configurable:** VFD (variable frequency drive) belt-speed adjustment is essential so wood chips and feed pellets are thrown at optimal velocity without impact shattering. Chinese OEMs can fit Ex d IIB T4 dust-explosion-proof motors and cabinets on request.

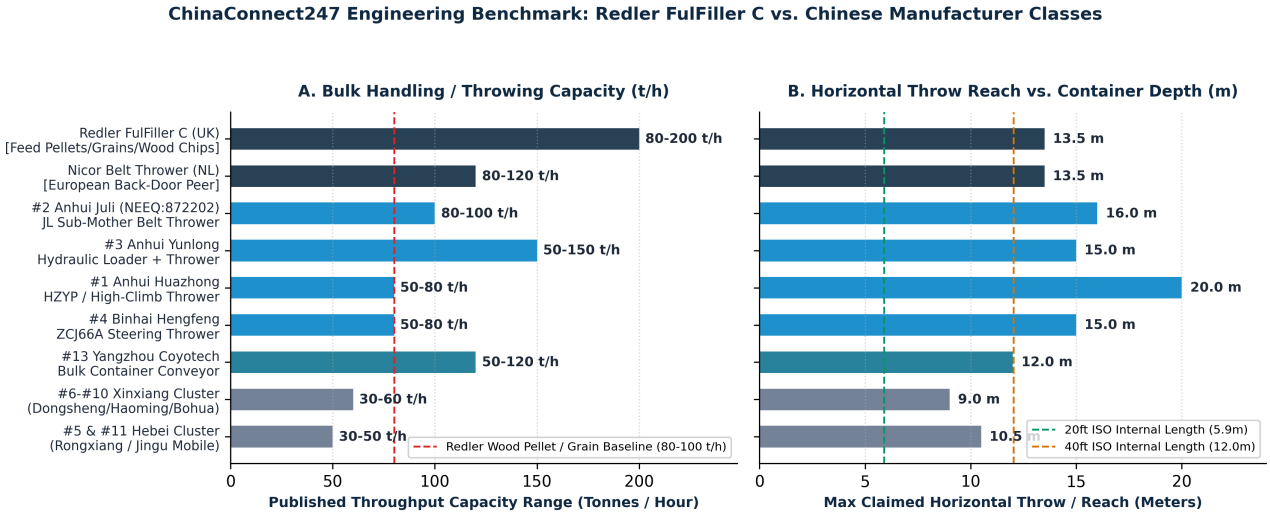

Figure 2: Published throughput capacity (t/h) and horizontal throw reach (m) across Redler FulFiller C, Nicor, and Chinese manufacturer categories compared against 20 ft (5.9 m) and 40 ft (12.03 m) ISO container lengths.

Key Engineering Note on Feed Pellets, Grains & Wood Chips: Wood chips and wood pellets have lower bulk density (0.25–0.65 t/m³) and higher air drag than cereal grains (0.72–0.80 t/m³), meaning a small 5.5 kW agricultural grain thrower (rated 6–8 m on wheat) will lose throw distance on wood chips. For 20 ft and 40 ft containers handling wood chips and feed pellets, we recommend specifying a **650–800 mm wide endless belt** with an **11–15 kW VFD motor** so the operator can tune belt speed (12–20 m/s) for each material.

3. Master Summary Table of 15 Verified Chinese Manufacturers

We organized all 15 verified Chinese companies into three practical sourcing groups: **Group A (Leads #1–#5)** are established grain/bulk machinery manufacturers building complete conveyors with high-speed belt-throwing heads; **Group B (Leads #6–#11)** are compact belt-and-pressure-wheel thrower head manufacturers;

and **Group C (Leads #12–#15)** are specialized ISO container dry-bulk loading, liner, and container-tilting equipment manufacturers.

#	Company Name (English & Chinese Legal Name)	Location	Relevant Product & Published Specifications	Verified Contact & Official Link	ChinaConnect247 Assessment
01	**Anhui Huazhong Machinery Matching Engineering Co., Ltd.** 安徽华中机械配套工程有限公司	Jieshou, Fuyang, Anhui	**HZYP / High-Climb Throwing Belt Conveyor (登高抛粮/转向装仓机)** Throwing capacity 50–80 t/h (conveyor up to 200 t/h); throw distance 6–20 m; length 10–20 m; total power 16.2–21.7 kW. Built China's 1st smart warehouse loader (Apr 2026).	Tel: **+86 15755812626** Solutions Page • Contact	**Priority Tier 1 (Group A)** Top custom non-standard OEM (200+ custom projects); also builds ISO container unloaders.
02	**Anhui Juli Grain Machinery Technology Co., Ltd.** 安徽聚力粮机科技股份有限公司 *(Publicly Listed: NEEQ 872202)*	Jieshou, Fuyang, Anhui	**JL Series Sub-Mother Belt-Throwing Conveyor (JL系列多功能子母式胶带抛粮输送机)** Conveyor ≥100 t/h; 650 mm belt; 11+4 m length; 3.5–8.5 m hydraulic lift; thrower drive ≥4 kW. Approved Sinograin & COFCO supplier.	GM Mr. Cao (曹总): **+86 13805679697** Fax: 0558-2859777 Official JL Page	**Priority Tier 1 (Group A)** Highest corporate credibility (NEEQ public company); proven "mother conveyor + daughter thrower head" design.
03	**Anhui Yunlong Grain Machinery Co., Ltd.** 安徽云龙粮机有限公司 *(Est. 1989, 300-Mu Campus)*	Jieshou, Fuyang, Anhui	**Hydraulic Warehouse Loader with Throwing Attachment (液压装仓机/抛粮机)** Handling range 50–300 t/h; belt width 550–1,000 mm; modular high-speed throwing head.	Sales Desk: **+86 13520642629** Fax: 0558-4851111 Official Website • Thrower Page	**Priority Tier 1 (Group A)** Largest legacy factory campus in Jieshou; ideal for heavy 100–200 t/h custom throwing systems.
04	**Binhai Hengfeng Grain Machinery Co., Ltd.** 滨海县恒丰粮食机械有限公司 *(Est. 1996)*	Binhai, Yancheng, Jiangsu	**ZCJ66A Steering Grain-Throwing Loader (转向装仓机/扬场机)** Typical belt 500–800 mm; length 10–28 m; capacity generally ≥50 t/h.	Tel: **+86 13705264213** Fax: 0523-83882203 ZCJ66A Page • Home	**Tier 2 (Group A)** Established 1996 factory; request model-specific sheet to verify throwing head details.

#	Company Name (English & Chinese Legal Name)	Location	Relevant Product & Published Specifications	Verified Contact & Official Link	ChinaConnect247 Assessment
05	**Hebei Rongxiang Conveying Machinery Mfg. Co., Ltd.** 河北荣祥输送机械制造有限公司	Fucheng, Hengshui, Hebei	**Mobile Grain-Throwing Conveyor (移动式抛粮输送机)** 30–50 t/h; 500 mm belt; 10–11 m throw reach; older listings show conflicting motor power values.	Manager Su (苏经理): **+86 18231880111** Tel: 0318-4823353 Official Contact	**Tier 3 (Group A Reserve)** Active contact verified, but 30–50 t/h rating is light-duty warehouse equipment.
06	**Henan Dongsheng Grain & Seed Machinery Co., Ltd.** 河南省东升粮种机械设备有限公司	Xiuwu, Jiaozuo, Henan	**High-Speed Belt Grain Thrower (高速皮带抛粮机)** 450 mm belt; 5–8 m / 6–8 m throw; page conflicts between 3 kW and 5.5 kW; explicitly describes drive wheel, pressure wheel & high-speed belt.	Manager Qi (祁经理): **+86 19903919971** Official Product Page	**Tier 2 (Group B Head Lead)** Direct evidence of the 90° belt + pressure wheel mechanism; requires upscaling for container rates.
07	**Henan Haoming Machinery Equipment Co., Ltd.** 河南浩明机械设备有限公司	Xinxiang, Henan	**Endless-Belt Grain Throwing Machine (无端皮带抛粮机)** 5.5 kW; 500 mm endless belt (3,100 mm belt-loop length); 8–10 m throw reach; ~3 m throw height.	Tel: **+86 15837399557** Official Product Page • Contact	**Tier 2 (Group B Best Head)** Clearest disclosure of endless belt (500 × 3,100 mm) and pressure-roller mechanism.
08	**Xinxiang Dazhen Sift Machine Co., Ltd.** 新乡市大振筛机有限公司	Xinxiang, Henan	**DZL Removable Composite Grain Thrower (DZL移动复合式抛粮机)** Throwing distance 10 m; throwing height 3.5 m; trolley-mounted throwing belt.	Export Portal: Made-in-China DZL Page	**Tier 2 (Group B Export Lead)** Direct belt-thrower evidence with English export team; confirm motor kW and t/h throughput.
09	**Xinxiang Xinda Vibration Equipment Co., Ltd.** 新乡市鑫达振动设备有限公司	Xinxiang, Henan	**XD Patterned-Belt Grain Thrower (XD型抛粮机)** 5.5 kW (1,440 rpm); 6–8 m throw; describes high-speed patterned belt & pressure wheel (updated Sept 2025).	Ms. Shen (申女士): **+86 13569415227** Product Listing	**Tier 2 (Group B Head Lead)** Patterned belt helps grip feed pellets & wood chips; confirm sustained t/h capacity.

#	Company Name (English & Chinese Legal Name)	Location	Relevant Product & Published Specifications	Verified Contact & Official Link	ChinaConnect247 Assessment
10	**Xinxiang Bohua Machinery Equipment Co., Ltd.** 新乡市博华机械设备有限公司	Xinxiang, Henan	**BHL Compound Grain Thrower (BHL复合式抛粮机)** 30–60 t/h; 6–8 m throw; 5.5 kW; 380 V; dimensions 1,500 × 750 × 760 mm; weight 200 kg.	Tel: **+86 15937106507** Product Listing	**Tier 3 (Group B Reserve)** Mixes throwing and pneumatic winnowing language; verify exact mechanism before shortlisting.
11	**Hengshui Jingu Grain Protection Equipment Co., Ltd.** 衡水金谷粮保防虫器材有限公司	Hengshui, Hebei	**Mobile Conveying & Throwing Machine (移动输送抛粮机)** 30–50 t/h; 500 mm belt; 10 m throw; 2.5–4.3 m lift; motors 3 + 2.2 kW.	Mr. Yang Lei (杨磊): **+86 13473819999** 2017 Listing	**Tier 3 (Historical Reserve)** Listing dates to 2017; confirm current production status before relying on it.
12	**Qingdao LAF Technology Co., Ltd.** 青岛朗夫科技股份有限公司	Jimo, Qingdao, Shandong	**Dry-Bulk Container Liners (海包袋) & Automated Conveyor/Belt-Thrower, Gravity & Pneumatic Container Loading Systems** Turnkey 20 ft / 40 ft ISO dry-bulk liner & silo-to-container loading systems.	Tel: **0532-6609-8998** Email: **sales@flexitank.net.cn** LAF Dry-Bulk Portal	**Priority Tier 1 (Group C)** China's leading dry-bulk container loading & liner integrator; essential partner for container interface.
13	**Yangzhou Coyotech Machinery Co., Ltd. (COYO)** 扬州超越机械有限公司	Yangzhou, Jiangsu	**Telescopic Truck & ISO Container Bulk Loading Belt Conveyors & Turnkey Silo Outloading** 50–150+ t/h export-grade grain, feed & granule container loading systems (exported to 20+ countries).	Tel: **+86-514-82152808** Mob: **+86-18205276221** Email: **contact@coyoteches.com** Website • Loader Page	**Priority Tier 1 (Group C)** 40-year export engineering OEM; can integrate a high-speed belt-throwing head onto a container loader.
14	**ZFITA Tianjin Machinery Co., Ltd. (ZFITA Industrial)** 天津智飞达机械有限公司	Xiqing District, Tianjin	**ISO 20ft/40ft Hydraulic Container Tilters (ZCT-ATT20/40, ZCT-SPTT20) & Container Loading Conveyors** 40,000 kg rated capacity; 0–90° (20 ft) or 0–45° (40 ft) hydraulic container tilting for vertical gravity bulk loading.	Official Portals: ZFITA Container Loader • Tilter Specs	**Priority Tier 1 (Group C)** Leading alternative if fragile feed pellets require zero-impact vertical gravity container loading.

#	Company Name (English & Chinese Legal Name)	Location	Relevant Product & Published Specifications	Verified Contact & Official Link	ChinaConnect247 Assessment
15	**Hangzhou Nuohua Machinery Co., Ltd.** 杭州诺华机械有限公司 *(Est. 2008)*	Hangzhou, Zhejiang	**20ft / 40ft Automatic Container Loading Belt Conveyor Systems** 600–800 mm belt; hydraulic height adjustment; multi-section boom reaching full 40 ft container depth.	Official Portal: Nuohua 20ft/40ft Loader	**Tier 2 (Group C Partner)** 15+ year container-entry belt conveyor OEM; can pair hydraulic boom with a throwing head.

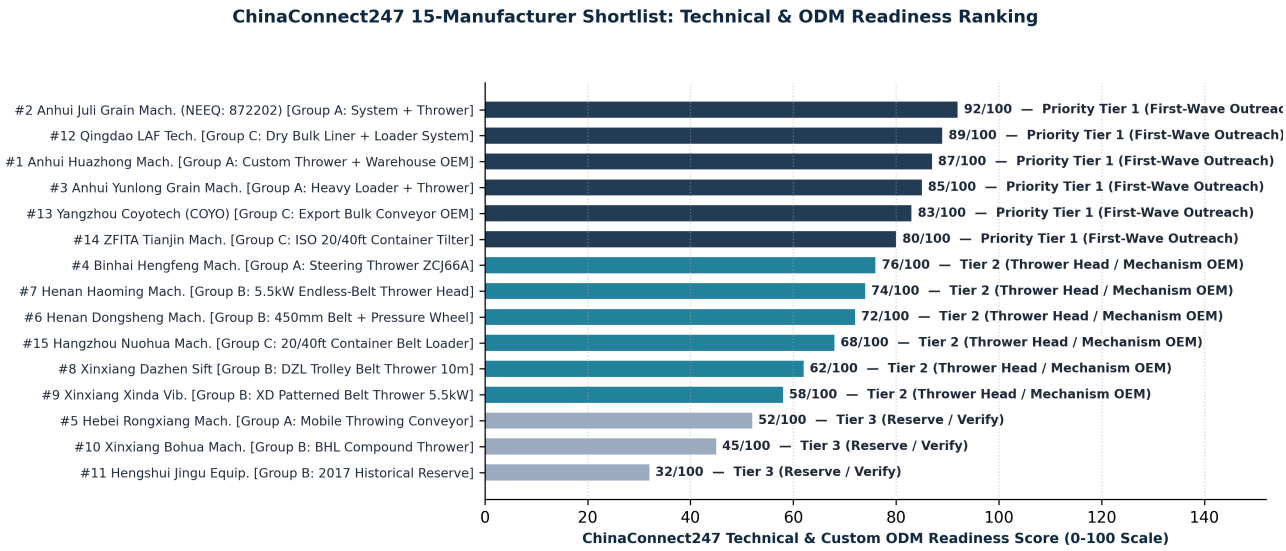

Figure 3: ChinaConnect247 Technical & Custom ODM Readiness Ranking across all 15 identified Chinese manufacturers based on throwing mechanism proof, sustained throughput capacity, corporate standing, and ISO container adaptation capability.

4. Detailed Profiles: Group A Integrated Loader & Thrower Manufacturers (Leads #1 to #5)

1. Anhui Huazhong Machinery Matching Engineering Co., Ltd. — 安徽华中机械配套工程有限公司

- **Location:** National Torch High-Tech Grain Machinery Industrial Base, Jieshou City, Fuyang, Anhui Province.
- **Official Portals:** Corporate Overview • Stacking & Thrower Solutions • High-Climb Throwing Belt Conveyor Video Page • Contact Page.
- **Public Contact:** Customization & Sales Hotline: **+86 15755812626**.
- **Published Specifications & Capabilities:** Manufactures the **HZYP / High-Climb Throwing Belt Conveyor (登高抛粮移动皮带输送机)** with grain/granule throwing throughput of **50–80 t/h** (main conveyor up to 200 t/h), throwing distance of **6–20 m**, conveyor length of **10–20 m**, and total power of **16.2–21.7 kW**. Also manufactures a hydraulic **ISO Container Dual-Chain Scraper Unloader (集装箱双链条刮板卸粮机)** and commissioned China's first intelligent warehouse loader for Chongqing Sinograin in April 2026 (Project Report).
- **Why Approach First:** Huazhong has completed non-standard custom engineering (非标定制) for 200+ institutional clients and already builds equipment sized for ISO shipping containers. They are a prime

candidate to mount their endless-belt throwing head onto a compact container-door forklift frame.

2. Anhui Juli Grain Machinery Technology Co., Ltd. — 安徽聚力粮机科技股份有限公司 (NEEQ: 872202)

- **Location & Corporate Standing:** Renmin Road, Jieshou High-Tech Zone, Fuyang, Anhui. **Publicly listed on China's National Equities Exchange and Quotations (新三板股票代码: 872202)** and multi-year approved supplier to **Sinograin (中储粮)** and **COFCO (中粮集团)**.
- **Official Portals:** Official Website • JL Series Multi-Function Sub-Mother Belt-Throwing Conveyor Page • Verified Directory Profile.
- **Public Contact:** General Manager Mr. Cao (曹总): **+86 13805679697** • Fax: **0558-2859777**.
- **Published Specifications & Capabilities:** Manufactures the **JL Series Sub-Mother Belt-Throwing Conveyor (JL系列多功能子母式胶带抛粮输送机)** and **Mobile Hydraulic Loader with Thrower (移动式液压补仓机带抛粮)**. Main conveyor capacity is **≥100 t/h**, belt width **650 mm**, length **11+4 m**, lifting height **3.5–8.5 m**, and dedicated thrower drive **≥4 kW**.
- **Why Approach First:** In Chinese engineering terminology, "Sub-Mother" (子母式) denotes a primary feeding conveyor ("mother") paired with a detachable/pivoting high-speed endless-belt throwing unit ("daughter" head). As an audited NEEQ public enterprise, Juli offers exceptional manufacturing reliability and can supply or adapt the "daughter" throwing head for container loading.

3. Anhui Yunlong Grain Machinery Co., Ltd. — 安徽云龙粮机有限公司

- **Location & Scale:** Founded in **1989** in Jieshou High-Tech Zone, Fuyang, Anhui, operating a **300-mu (200,000 m²)** manufacturing campus.
- **Official Portals:** Official Website • Grain Thrower Product Page • Corporate Showroom.
- **Public Contact:** Sales Desk: **+86 13520642629** • Fax: **0558-4851111**.
- **Published Specifications & Capabilities:** Heavy hydraulic warehouse loaders with conveying capacities of **50–300 t/h**, belt widths of **550–1,000 mm**, and optional throwing attachments.
- **Why Approach First:** Strong heavy fabrication capability if your project requires wide-belt (650–800 mm), high-volume (100–200 t/h) continuous container loading.

4. Binhai Hengfeng Grain Machinery Co., Ltd. — 滨海县恒丰粮食机械有限公司

- **Location:** Founded in August 1996 in the Economic Development Zone, Binhai County, Yancheng, Jiangsu Province.
- **Official Portals:** Official Website • ZCJ66A Warehouse Loader Catalog • Contact Page.
- **Public Contact:** Tel: **+86 13705264213** • Fax: **0523-83882203** • Email: **xhhfjx1688@sina.com**.
- **Published Specifications & Assessment:** Produces steering warehouse loaders and throwers (belt **500–800 mm**, length **10–28 m**, capacity **≥50 t/h**). Because website ranges are generic, we recommend requesting a model-specific drawing first.

5. Hebei Rongxiang Conveying Machinery Manufacturing Co., Ltd. — 河北荣祥输送机械制造有限公司

- **Location:** Cuimiao Industrial Zone, Fucheng County, Hengshui, Hebei Province.
- **Official Portals:** Official Mobile Contact Page • WorldLJ Profile • Sinofarm Store.
- **Public Contact:** Manager Su (苏经理): **+86 18231880111** • Tel: **0318-4823353** • Fax: **0318-4823313**.
- **Published Specifications & Assessment:** Mobile throwing conveyor rated at **30–50 t/h**, **500 mm** belt, **10–11 m** throw. Useful secondary lead, though standard capacity is lighter than Redler's 80–100 t/h benchmark.

5. Detailed Profiles: Group B Compact Belt-Throwing Heads (#6–#11) & Group C Container Bulk Specialists (#12–#15)

Group B: Standalone High-Speed Belt-and-Pressure-Wheel Thrower Heads (Leads #6 to #11)

If your engineering team prefers to source a compact, standalone **90° endless-belt throwing head** (the core mechanical unit inside the teal housing in your photos) and mount it onto your own container frame or silo chute, the Xinxiang/Jiaozuo cluster in Henan Province manufactures dedicated 3-pulley belt throwers:

- **6. Henan Dongsheng Grain & Seed Machinery (河南省东升粮种机械设备有限公司 — Xiuwu/Jiaozuo, Henan):** Official Product Page • Contact: Manager Qi (祁经理) **+86 19903919971**. Explicitly describes a driving wheel (主动轮), concave pressure wheel (压带轮), and high-speed endless throwing belt (450 mm width, 5–8 m / 6–8 m throw, 3–5.5 kW).
- **7. Henan Haoming Machinery (河南浩明机械设备有限公司 — Xinxiang, Henan):** Official Product Page • Contact Page • Tel: **+86 15837399557**. Published 5.5 kW drive, **500 mm wide endless belt (3,100 mm loop length)**, 8–10 m horizontal throw, and ~3 m height. Provides the clearest mechanical explanation of the endless-belt and pressure-roller assembly.
- **8. Xinxiang Dazhen Sift Machine Co., Ltd. (新乡市大振筛机有限公司 — Xinxiang, Henan):** Made-in-China DZL Product Page. Trolley-mounted **DZL Removable Composite Thrower** claiming 10 m throw distance and 3.5 m throw height.
- **9. Xinxiang Xinda Vibration Equipment (新乡市鑫达振动设备有限公司 — Xinxiang, Henan):** Product Page • Contact: Ms. Shen (申女士) **+86 13569415227**. Produces the **XD Thrower** (5.5 kW, 1,440 rpm, 6–8 m throw) utilizing a **high-speed patterned endless belt** and pressure wheel (advantageous for gripping smooth feed pellets and wood chips).
- **10. Xinxiang Bohua Machinery (新乡市博华机械设备有限公司 — Xinxiang, Henan):** Product Page • Tel: **+86 15937106507**. Lists the **BHL Compound Thrower** (30–60 t/h, 6–8 m throw, 5.5 kW, 380 V, 1,500 × 750 × 760 mm, 200 kg). Reserve lead until pure belt-thrower vs. winnowing role is confirmed.
- **11. Hengshui Jingu Grain Protection Equipment (衡水金谷粮保防虫器材有限公司 — Hengshui, Hebei):** Product Listing • Contact: Mr. Yang Lei (杨磊) **+86 13473819999**. Historical 2017 listing (30–50 t/h, 500 mm belt, 10 m throw, 3+2.2 kW).

Group C: ISO Container Dry-Bulk Liner, Silo-to-Container & Tilter Specialists (Leads #12 to #15)

To ensure complete compatibility with 20 ft and 40 ft ISO shipping containers, bulk liners, and rear bulkheads (as shown in the bottom-left panel of your photo), we also shortlisted four specialized container-loading manufacturers:

- **12. Qingdao LAF Technology Co., Ltd. (青岛朗夫科技股份有限公司 — Qingdao, Shandong):** Official Dry-Bulk Liner & Automated Loader Portal • Tel: **0532-6609-8998** • Email: **sales@flexitank.net.cn**. China's premier manufacturer of ISO dry-bulk container liners (海包袋), rear bulkheads, and automated conveyor/thrower, gravity, and pneumatic container loading systems (50-Ton Container Loader Case Study).
- **13. Yangzhou Coyotech Machinery Co., Ltd. (扬州超越机械有限公司 / COYO — Yangzhou, Jiangsu):** Official Website • Container Bulk Loader Page • Tel: **+86-514-82152808** • Mob: **+86-18205276221** • Email: **contact@coyoteches.com**. 40-year export OEM producing grain, feed pellet, and bulk material container loading conveyors across 20+ countries; well-suited for custom fabrication of the FulFiller C frame.
- **14. ZFITA Tianjin Machinery Co., Ltd. (天津智飞达机械有限公司 / ZFITA Industrial — Tianjin):** Container Loader Portal • Hydraulic Container Tilters. Manufactures 20 ft and 40 ft hydraulic container tilters (**ZCT-ATT20/40** & self-propelled **ZCT-SPTT20**, 40,000 kg capacity) and container conveyors—providing a zero-breakage vertical gravity loading alternative if any feed pellet grade is too fragile for belt throwing.

- **15. Hangzhou Nuohua Machinery Co., Ltd. (杭州诺华机械有限公司 — Hangzhou, Zhejiang):** Official Product Portal. 15+ year specialist in 20 ft and 40 ft automatic container loading belt conveyors.

6. How ChinaConnect247 Coordinates This Sourcing & Engineering Process for You

You asked how we can assist with the coordination and how the process works—especially since your team does not yet have all final technical parameters locked in. Our workflow is designed so **you do not need complete specifications today**; we establish manufacturer capability, baseline drawings, and indicative pricing first:

Stage	What ChinaConnect247 Executes on the Ground in China	What We Deliver to You	Timeline
Stage 1: First-Wave Technical Screening (No Detailed Specs Required Yet)	Our bilingual engineering team contacts the top 6 shortlisted factories (**#2 Anhui Juli, #1 Anhui Huazhong, #3 Anhui Yunlong, #7 Henan Haoming, #6 Henan Dongsheng, and #12 Qingdao LAF**) using your 4 reference photos and baseline materials (feed pellets, grains, wood chips).	Verified responses confirming (a) which factories have an existing high-speed 90° belt-thrower head in production, (b) real shop photos/videos, and (c) standard vs. custom container-frame options.	**Days 1 – 5**
Stage 2: Engineering Drawing, Video & Baseline Quote Comparison	We obtain General Arrangement (GA) drawings showing the 3-pulley belt path, pressure roller geometry, belt speed (m/s), separate conveyor vs. thrower t/h capacities, and indicative FOB China pricing for both a standalone thrower head and a container-mounted frame.	A side-by-side **Technical & Commercial Shortlist Matrix** narrowing the field to the top 2–3 responsive factories so your team can review concrete options and then define your exact site parameters.	**Days 6 – 12**
Stage 3: Custom ODM Specification Lock & Live Factory Throwing Trial	Once your team confirms container size (20 ft vs. 40 ft), target t/h, and power supply, we lock the CAD drawing (container corner-lug frame, rear bulkhead collar, VFD speed control) and can dispatch a mechanical inspector to witness a live throwing test with feed pellets, grain, or wood chips.	Signed technical specification annex, uncut video of the live throwing distance and pellet-breakage test, and pre-payment corporate/bank verification before any deposit is wired.	**Weeks 3 – 4**
Stage 4: Production Monitoring, Pre-Shipment Inspection & Export Delivery	We monitor fabrication, verify motor/bearing/belt BOM compliance, conduct pre-shipment dimensional checking (ensuring the frame fits standard ISO container corner castings), and coordinate FOB/CIF shipping.	Full QC inspection report, CE/electrical compliance documentation, packing list, and door-to-port or door-to-door logistics coordination.	**Production + Shipping**

7. First-Round Bilingual Technical Inquiry (Used in Stage 1 Without Requiring Final Client Specs)

Below is the exact Stage 1 technical inquiry (in English and Simplified Chinese) designed for immediate outreach using your reference photos and general material list (feed pellets, grains, wood chips):

A. First-Round Technical Inquiry — English

We are sourcing a Chinese-manufactured **High-Speed Belt-Throwing Container Loading System** operating on the same principle as the British Redler FulFiller® C (please see attached 4 reference photos): bulk granular materials such as **feed pellets, grains, and wood chips** drop vertically from an overhead feed chute onto a

high-speed endless belt guided by a concave pressure roller, accelerating through a 90° bend and throwing horizontally into a 20 ft or 40 ft ISO shipping container. We are NOT looking for an ordinary slow belt conveyor or a conveyor that merely slews left/right by ±90°.

While our end-project installation parameters are still being finalized, please confirm whether your factory manufactures a standard high-speed belt-throwing machine, a standalone throwing head, or can custom-fabricate the container-mounted frame shown in the reference photos. If yes, please share:

1. Your closest standard model, along with a structural drawing or shop photo showing the 3-pulley belt path, pressure rollers, and discharge chute.
2. An operating video showing continuous throwing of grain, feed pellets, or wood chips (and any container or box-truck loading cases).
3. Published throwing throughput (tonnes/hour, quoted separately from feeding conveyor capacity), horizontal throwing distance (meters), belt width (mm), and thrower motor power (kW) on standard grain/pellets.
4. Confirmation of whether you manufacture in-house, indicative EXW/FOB price range, lead time, and willingness to customize a rear-container mounting frame (as shown in the attached photos) once final dimensions are confirmed.

B. 首轮工程技术摸底询价函 — 简体中文 (Stage 1 Chinese Outreach Script)

尊敬的工程技术部及销售负责人，您好：

我司正在国内寻源一款工作原理对标英国 Redler FulFiller® C 的**散装颗粒集装箱高速皮带抛料装柜系统**（具体设备实物、90°皮带变向抛射原理及集装箱尾部挂装现场请见附件4张参考图）：**饲料颗粒、谷物粮食、木片/木屑颗粒**等散装物料从上方进料斗垂直落入由"主动轮 + 凹形压带轮 + 从动轮"支撑的高速无端环形皮带，经90°弧形变向高速加速后，越过集装箱尾部挡粮板直接水平抛射进入 20尺或40尺标准集装箱内部。请注意：我们**不是**寻找普通的低速皮带输送机，也不是仅靠机架水平左右旋转±90°的普通输送机。

目前终端项目的具体现场安装参数仍在进一步细化中，现阶段我们先期核实国内具备该核心机理的源头厂家。请确认贵司是否自行生产此类高速皮带抛料设备、独立抛料机头（如子母式抛粮头/复合式抛粮头），或可按参考图定制集装箱尾部挂装机架。如具备相关能力，请先提供以下基础资料：

1. 贵司现有的相近标准型号，以及能看清"主动滚筒、压带轮、从动滚筒"皮带运行路径和出料机头的结构简图或车间实拍图。
2. 设备连续带料抛射的运行视频（抛射粮食、饲料颗粒或木片均可；如有装集装箱或厢式货车案例更佳）。
3. 标准机型在谷物或颗粒物料下的**抛料机头实际持续抛料能力（吨/小时，请与主输送机输送量分开注明）**、水平抛射距离（米）、环形皮带宽度（mm）及抛料电机功率（kW）。
4. 确认贵司是否为源头生产厂家，并提供标准抛料机头或整机的参考价格区间、常规交货期，以及后续根据具体参数定制集装箱挂装底座的可行性。

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