

***DUOWEI***

# **DUOWEI UNION GROUP**

**Experts in Steel Structure and Sandwich Panel**

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# Duowei Union Group Co., Ltd.

DUOWEI

Founded in

**1983**

Marketing countries  
and regions

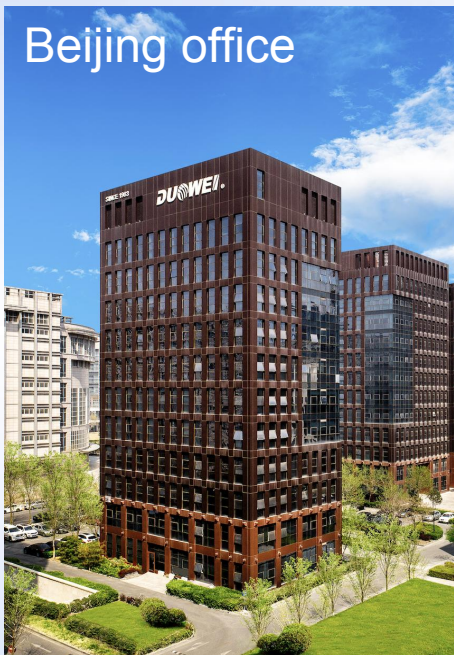
**100+**

Clients served

**15000+**

Tianjin factory

Beijing office



1 **Steel structure**

2 **Roof sandwich panel**

PIR, Rock wool, Glass wool

3 **Wall sandwich panel**

PIR, Rock wool, Glass wool



# International certification



**AMERICAN INSTITUTE OF STEEL CONSTRUCTION CERTIFICATION PROGRAMS**  
PROUDLY RECOGNIZE THAT

Duowei Union Group Co., Ltd.

MAINTAINS OPERATIONS LOCATED AT

No.16, #24 Road, South Area Jinghai Economic Development District  
Tianjin, TJ 301600 CHN

THAT SUCCESSFULLY MEET THE QUALITY CERTIFICATION REQUIREMENTS FOR

Building Fabricator  
Complex Coating Endorsement 2 - Covered

**PRESIDENT**  
*[Signature]*

CERTIFICATION NUMBER: C-00022472  
ISSUED: May 9, 2023  
VALID THROUGH: June 30, 2024

**FM APPROVED**

**Certificate of Compliance**  
This certificate is issued for the following:  
Duowei PIR Sandwich Panels, Duowei Rock Wool Sandwich Panels, Duowei Rock Wool Core and PIR Rail Sandwich Panels and Duowei Glass Wool Core and PIR Rail Sandwich Panels

**Prepared for:**  
Duowei Union Group  
Bldg #4, Block 8, 188 West Road, South 4th Ring Road  
Fengtai District, Beijing 100070  
China

FM Approvals Class: 4880 and 4881  
Approval Identification: 0003047338    Approval Granted: 8/5/2014

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com).

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

*[Signature]*  
Cynthia Frank  
AVP - Manager, Materials  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062

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Member of the FM Global Group

**FM APPROVED**

**Certificate of Compliance**  
This certificate is issued for the following:  
**DW-19 STANDING SEAM ROOF SYSTEMS AS CLASS 1 PANEL ROOFS**

**Prepared for:**  
Duowei Union Group Co., Ltd.  
Building No.10, Block 16, 188 West Road,  
South 4th Ring Road, Fengtai District,  
Beijing, China 100070

FM Approvals Class: 4471  
Approval Identification: 3043576    Approval Granted: 10 April 2012

Said Approval is subject to satisfactory field performance, continuing follow-up Facilities and Procedures Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

For more than 160 years FM Approvals has partnered with business and industry to reduce property losses.

*[Signature]*  
Richard P. Ferron, P.E.  
Asst. Vice President, Group Manager  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062

**FM Approvals®**  
Member of the FM Global Group

## AISC certification in American

## FM approval for sandwich panel

## FM approval for metal roofing system

**Certificate of Conformity of the Factory Production Control**  
1029 - CPR - CN230002400

In compliance with Regulation 2002/1181 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product **Steel Structures, described in annex.**

placed on the market under the name or trade mark of **DUOWEI UNION GROUP Co., Ltd.**  
Building No.16, Block 16, 188 West Road, South 4th Ring Road, Fengtai District, Beijing, P.R. CHINA

and produced in the manufacturing plant **Duowei Green Building Material (Tianjin) Co., Ltd.**  
Innovation Area, 24 Road and 2nd Ring Road, South Zone, Jinghai Economic Development Zone Tianjin City, P.R. CHINA.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards EN 1090-1:2009+A1:2011 under system 2 are applied and that the factory production control is assessed to be in conformity with the applicable requirements.

This certificate is valid from 17 April 2023 until 16 February 2026, and will remain valid as long as the manufacturer maintains the construction product, the AISC Certificate of Conformity in the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

Issue 1: Certified with SGS since 21 August 2016  
Previous related certificate reference: 1029 - CPR - PT2007303

**IPAC** **SGS**

**Certificate of Constancy of Performance**  
1029 - CPR - CN230002401

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product **Self-supporting double skin metal faced insulating panels, described in annex.**

placed on the market under the name or trade mark of **DUOWEI UNION GROUP Co., Ltd.**  
Building No.16, Block 16, 188 West Road, South 4th Ring Road, Fengtai District, Beijing, P.R. CHINA

and produced in the manufacturing plant **Duowei Green Building Material (Tianjin) Co., Ltd.**  
Innovation Area, 24 Road and 2nd Ring Road, South Zone, Jinghai Economic Development Zone Tianjin City, P.R. CHINA.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards EN 14509:2013 under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate is valid from 17 April 2023 until 16 February 2026, and will remain valid as long as the manufacturer maintains the construction product, the CECP methods set in the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

Issue 1: Certified with SGS since 21 August 2016  
Previous related certificate reference: 1029 - CPR - PT2007304

**IPAC** **SGS**

**CWB LETTER OF VALIDATION**

The CWB acknowledges that

**Duowei Union Group Co., Ltd**  
16th, No. 24 Road, South Area of Jinghai Economic Development  
Jinghai Tianjin 301600 China

is certified to **CSA Standard W47.1**  
"Certification of Companies for Fusion Welding of Steel"  
IN DIVISION 2  
for the period **September 22, 2023 to October 21, 2024**  
Company Code: **DUOWEI**

Scope:  
Fabrication of structural steel components for the North American market.

Reason for Issue: Renewal  
Issue Date: September 21, 2023

For the latest CWB Documents and forms and certification terms and conditions, please visit [www.cwbgroup.org](http://www.cwbgroup.org)

**IPAC** **CWB**

**СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ ЕВРАЗСТАНДАРТ**  
**ЕВРАЗИЙСКОЕ АГЕНТСТВО ТЕХНИЧЕСКОГО РЕГУЛИРОВАНИЯ И МЕТРОЛОГИИ**

**СЕРТИФИКАТ СООТВЕТСТВИЯ**  
№ ESTD1.1013.R0632  
Срок действия: с 21.02.2022 по 20.02.2025  
№ 0002336

ОРГАН ПО СЕРТИФИКАЦИИ Рег. № ESTD B.013 Орган по добровольной сертификации АЗДИ-ТЕКСТ Юридический адрес: 351608, РОССИЯ, Тульская область, Узловский район, г. Узловый, ул. Свердлова, д. 12

ПРОДУКЦИЯ: Листовые материалы, состоящие из замкнутой из минимальной толщины стальных, нержавеющей стали и алюминия с или без полиуретана.

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ  
Синтезированный пенополиуретан

ИЗГОТОВИТЕЛЬ «DUOWEI UNION GROUP CO., LTD.» Адрес места нахождения: WESTSIDE OF CHANGYANG HUAN DAO FANGSHAN - DISTRICT, BEIJING CHINA, КИТАЙ

СЕРТИФИКАТ ВЫДАН «DUOWEI UNION GROUP CO., LTD.» Адрес места нахождения: WESTSIDE OF CHANGYANG HUAN DAO FANGSHAN - DISTRICT, BEIJING CHINA, КИТАЙ

НА ОСНОВАНИИ Протокола испытания № 0912906-23/23 от 18.02.2023 года, выданного испытательной лабораторией «ИЗ Контроль», аттестованной приказом № 85.8.01.23.01.015 от 20 апреля 2018 года.

**ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ**

**IPAC** **GOST**

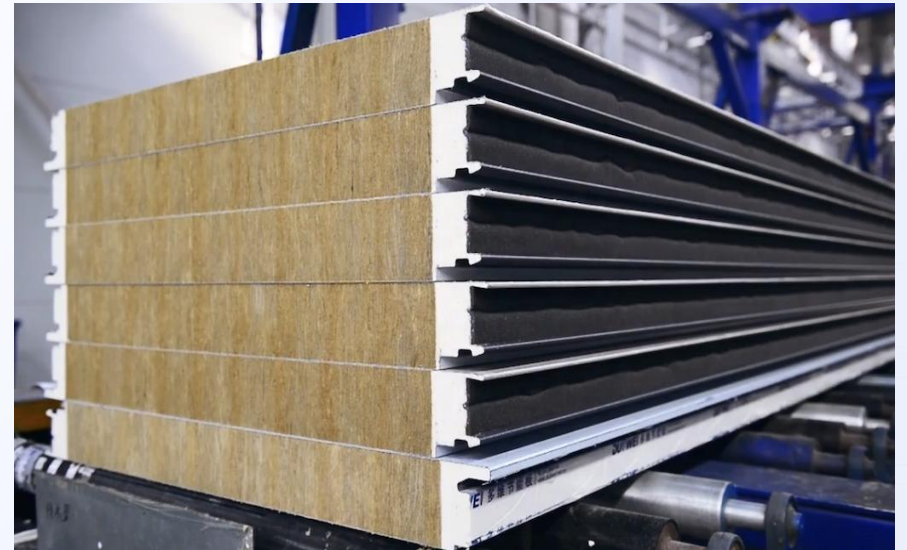
## CE certification for steel structure and sandwich panel

## CWB certification in Canada

## Russia GOST certification for sandwich panel

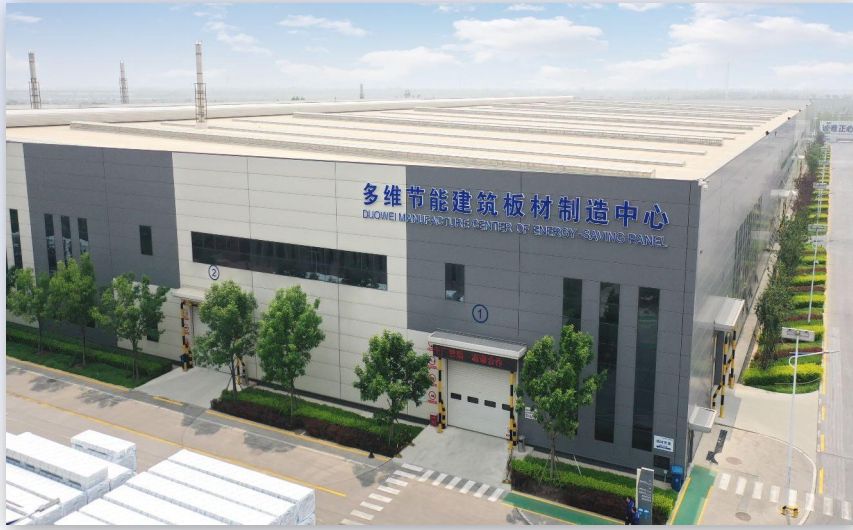
# Main products—Wall sandwich panel

**DUOWEI**



# Intelligent manufacturing— Sandwich Panel

**DUOWEI**



**Energy-efficient Building Panel Manufacturing Center**



**Intelligent sandwich panel production line**



**JORNS AG CNC folding machine**



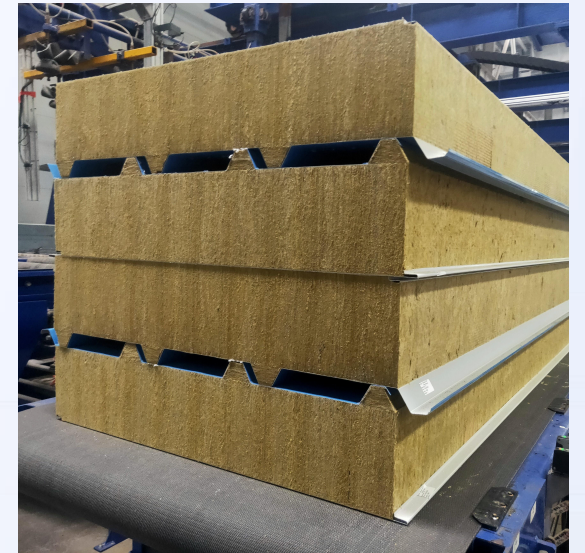
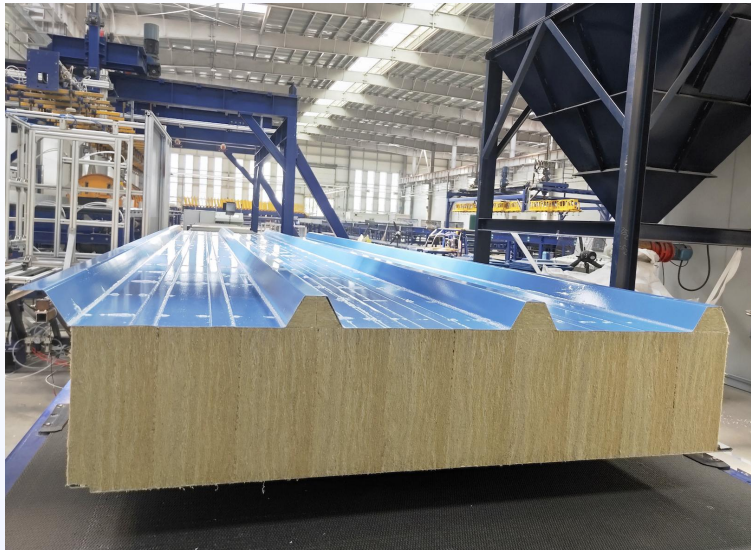
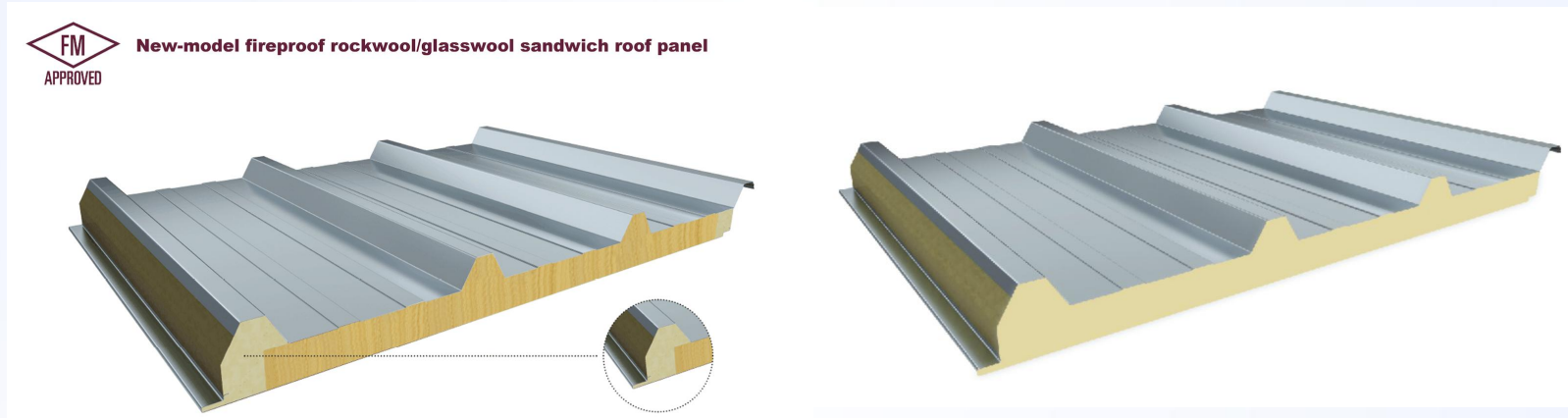
**RAS XXL-6 CNC folding machine**



**More than 30 kinds of profiled steel plate processing equipment**

# Main products—Roof sandwich panel

DUOWEI



# Main products—Steel structure

**DUOWEI**



# Intelligent manufacturing— Steel structure

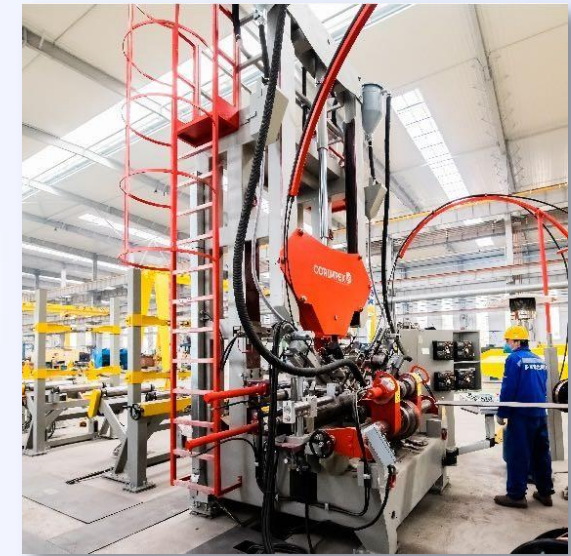
**DUOWEI**



**Prefabricated Building Manufacturing Center**



**Han's Laser cutting machine**



**Italy CORIMPEX**



**Structural Steel Fabrication Machinery—peddinghaus**



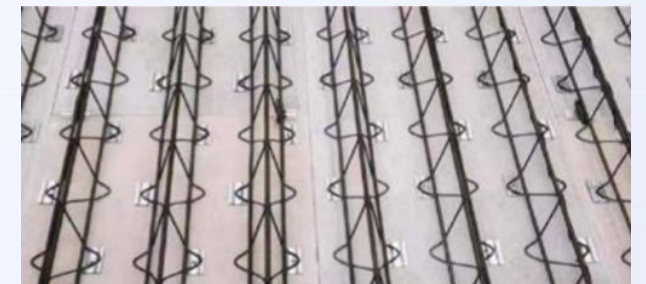
**Italy FICEP**



**German KALTENBACH Automatic Painting**

# Main products—Floor deck

**DUOWEI**



# Intelligent manufacturing— Floor deck

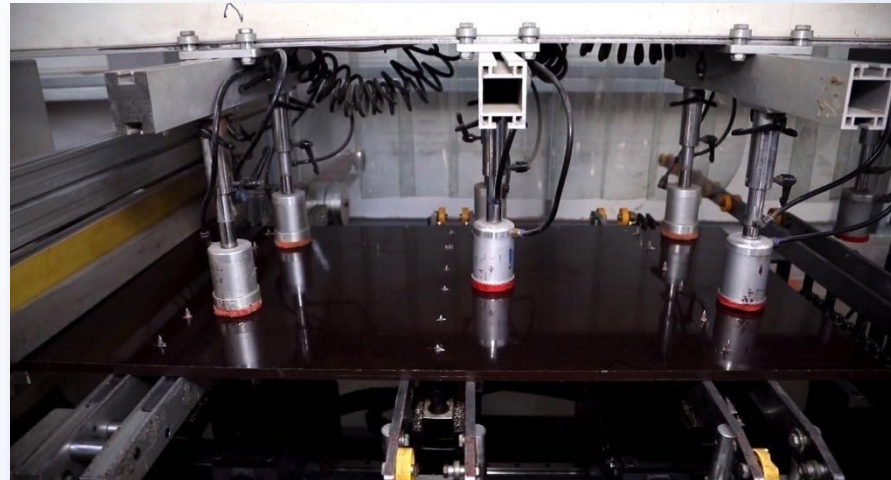
**DUOWEI**



**Prefabricated Truss Deck Manufacturing Center**



**Austria EVG automatic steel truss manufacturing equipment**



# Package

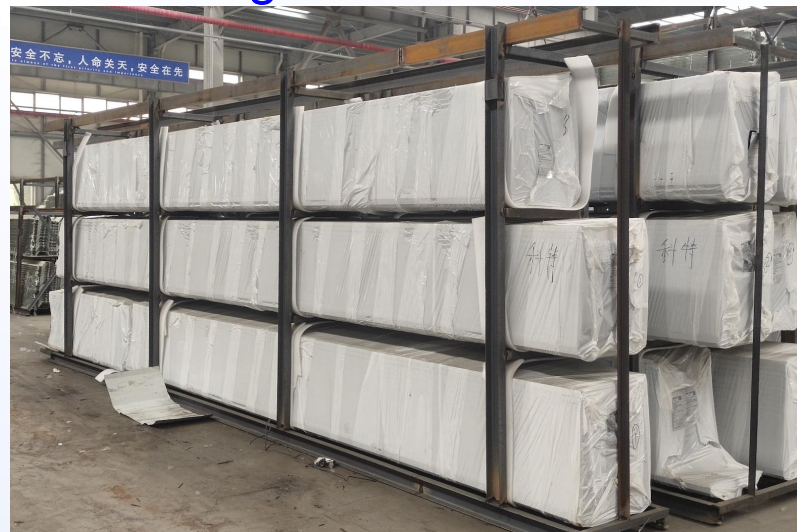
DUOWEI



Package of structure steel



Fast loading and unloading



Package of metal cladding



Package of sandwich panel



# International layout



Key market: Australia, Southeast Asia, South America, Canada, Mongolia, Africa



Vilana International Airport in Maldives



Amur Gas Processing Plant in Russia



Kazakhstan Petrochemical Integrated Plant



FM Logistics warehouse project HCM Phase 1 in Vietnam



Indonesia Meulaboh Power Plant



Singapore Jurong Island Air Separation Unit Noisy hood



New Tricolour Community project in Venezuela



Canada 880 apartment



Mexico LGMG industrial park



Cuban Tobacco Factory & Unilever



Copper port in Chile



Guyana Airport



Hawassa Industrial Park in Ethiopia



Kombolcha Industrial Park, Ethiopia



Dire Dawa Industrial Park, Ethiopia



Siemens Kenya high voltage switching station



Niger oil field construction project



Moroccan Elang Technology

# Domestic layout

Beijing headquarter is the technical center, marketing center and management control center

5 factories in Tianjin, Nantong, Shenyang, Chengdu and Guangdong.

## Capacity

Sandwich panels, Clean room panels **10 million** m<sup>2</sup>

High-end structural steel **200 thound** tons



Nantong Factory



Shenyang Factory





# Technical and testing capability

DUOWEI



Test on raw materials and finished products.



 300 experienced engineers   
25 senior engineers  
28 level-1 registered structural engineers

Technology platform

STAADPro, SAP2000, TEKLA, etc

# Clients

DUOWEI

## Electronic



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## Automobile Manufacture



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## New Energy



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## Food and Beverage



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## Pharmacy



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## Mechanized Equipment



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## Warehouse Logistics



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DUOWEI

**DUOWEI**

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**Make a Better Future**

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Enterprise Introduction

