



Pack Value

**Qingdao Rizhirong Plastic Products Co.,
Ltd.**



About us







ISO9001-2015



HACCP



BRC



QS



Compliance Regulations

01

CHINA

GB10004-2008 ; GB9685-2016

02

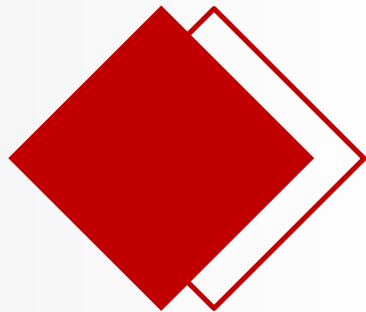
AMERICA

FDA 21 CFR 177 Part

03

European Union

EC No. 1935/2004 ; EU No. 10/2011



Flexible Packaging

- Hardware Facilities for Flexible Packaging
- Introduction to Flexible Packaging Products



软包装硬件设施



Japan's Fuji MD High-Speed Gravure Printing Line and 6 others, 7-10 colors, printing width of 500mm-1300mm, speed of 350m/min Equipped with environmental protection facilities such as RTO, and equipped with a fully automatic quality inspection system.



Nine Lines Including Nordmeccanica from Italy and Fuji from Japan, Solventless and Dry Lamination, Capable of Laminating High Tension Sheets, Equipped with Environmental Protection Facilities Such as RTO.



More than 20 units of Japanese Kataoka slitting and inspection machines, capable of slitting thick films, 8 lines of 2.3-meter-wide 3-layer co-extrusion PE blown film lines. Slitting speed of 400m/min, vertical and horizontal laser tear lines, fully automatic CCD camera inspection.



More than 40 units of bag-making machines including Totani from Japan, equipped with the production capability for complex bag types such as square bottom bags

Soft packaging specialty products



Surface texture:
velvet-like feel, sand-like feel, partial
matte, fully matte, brushed feel



Breast milk storage bags
(microwave sterilizable,
reusable up to 20 times), bottle
sterilization bags



- Single-material recyclable: Fully recyclable PE; Fully recyclable PP; Fully recyclable PET
- Compostable and biodegradable: PLA/PBAT
- Pure paper: Paper instead of plastic



- Paper-plastic composite bag
- Pure paper: Paper instead of plastic, recyclable and compostable

Equipment and gear



Sheet extrusion machine

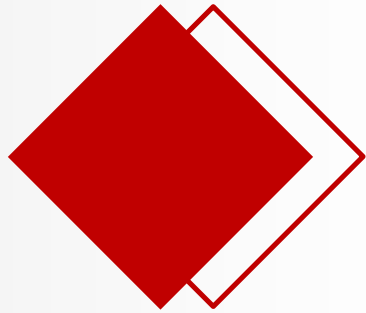
More than 20 units of 3-9 layer multi-layer co-extrusion sheet extrusion machines are available, equipped with high barrier EVOH co-extrusion capability, ensuring more uniform mixing with twin-screw technology and minimal thickness variation. Renowned brands include German Battenfeld and Taiwanese Shang Te Chia.

Molding machine

Over 50 molding machine production lines, featuring industry-renowned brands such as Japan's Asano, Germany's KIEFEL, Germany's ILLIG, and Taiwan's Cheng Mei.

Cup forming machine, cup printing machine, lid printing machine

Nearly 20 production lines featuring Germany's ILLIG, Netherlands' VANDAM cup forming machines, cup printing machines, and lid printing machines, among others.



Sustainable Packaging Overview

- Carbon Reduction Series

Recyclable, biodegradable, and other sustainable packaging options



Transitioning from multiple material combinations to a single recyclable material solution

Physical PCR
Chemical PCR -
Bio-based,
Petroleum-based



PCR

PLA, PBAT, PBS, PHA



Sustainable
packaging
solutions

100% Recyclable is the mainstream solution

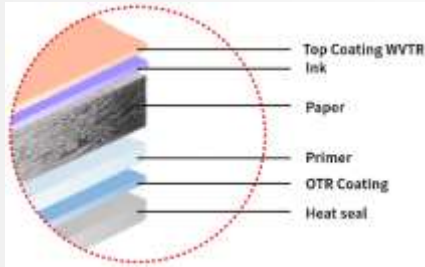
Compostable degradation

Biobased materials

Paper-based alternatives to plastic

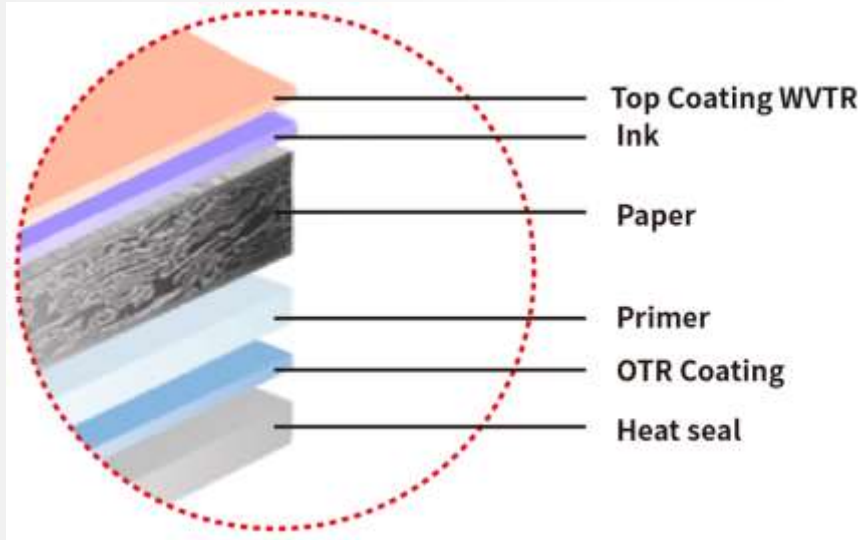
Organic biological anaerobic degradation, mineral enzyme degradation

Corn starch, cassava starch, plant fibers, PBAT (polybutylene adipate terephthalate), PBS (polybutylene succinate), PHA (polyhydroxyalkanoates), pulp molding



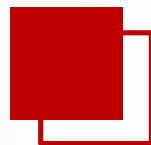
Both recyclable and fully biodegradable





RTO
(Regenerative
Thermal
Oxidizer) VOC
system with
heat storage
oxidation
combustion





Environmentally
friendly Energy-saving
and environmentally
friendly

OUR HISTORY AND PURPOSE

- The Qingdao factory has passed environmental audits and social responsibility audits from companies such as Unilever, Walmart, Philips, and others.
- The Nantong factory and subsequent factories all utilize solar street lights, with partial solar power generation locally.
- The Qingdao flexible packaging factory has invested over 10 million RMB in a VOCs (Volatile Organic Compounds) system, utilizing ESO (Energy-Saving Oxidizer) + RTO (Regenerative Thermal Oxidizer) heat storage oxidation combustion method for treatment.
This VOC system forms a clean, environmentally friendly, and energy-efficient closed-loop system: ESO concentrates VOCs → RTO heat storage oxidation combustion → circulation of hot water to provide a heat source for printing and laminating machines → energy recycling.
- All factories have UV curing and activated carbon air filtration systems installed throughout the workshops.
- Environmentally friendly materials: Degradable: PLA, PBAT, PBS, pulp molding, mineral enzyme degradation, and other environmentally friendly methods.
Paper instead of plastic: Using a series of water-based coatings to achieve paper-based alternatives to plastic in flexible packaging, recyclable and compostable.
Recyclable: Achieving 100% recyclability using a single material formulation.



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Thank you