

RIDERS STAR GROUP LTD.

COMPANY PROFILE

We help businesses find and set up the best machines for their work. We have a lot of experience in this area and we only sell high-quality equipment. We also offer training to help your team use the machines properly.

Our goal is to make your business more efficient and successful.

MORE INFO

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YOUR GATEWAY
TO
RIDERS GROUP
INDUSTRIAL
EXCELLENCE



RIDERS Star Group Ltd.

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R.Riders Group Ltd. provides full-service support for industrial machinery,
Including sourcing, buying, delivery, installation, warranty, and training.

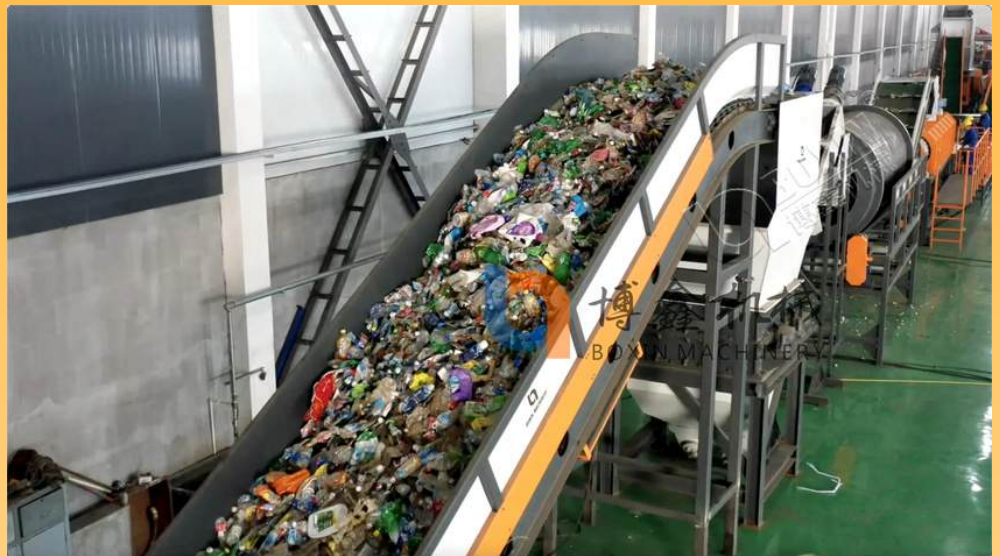
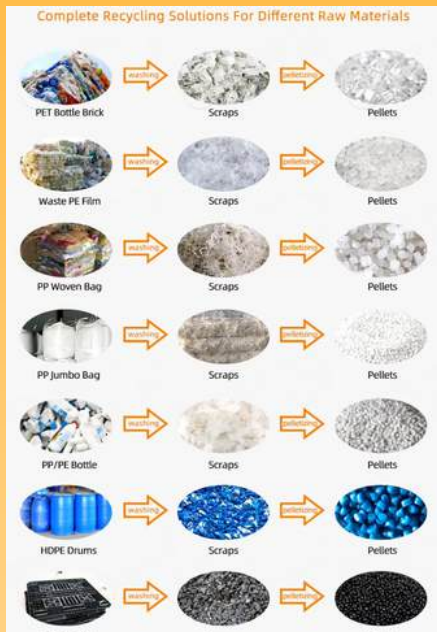
We help new entrepreneurs and businesses achieve their
Goals with complete solutions.

Plastic Recycling Machine Plastic Bottle

BOXIN Machinery plastic recycling technology mainly applied in the field of waste plastic regrinding, washing and regranulating. Thanks to the R&D ability and well-understanding industries experience, BOXIN Machinery can provide the customized plastics recycling solutions to customers.

Typical productions Machinery can provide are: plastic washing line for PET bottles, PP PE film bags, HDPE Bottles , Plastic pelletizing recycling line for clean PP PE material , plastic shredder and crushers etc.





Product Description

BOXIN brand 2022 PET Bottle to Polyester Staple Fiber Level Plastic Washing Recycling Machine PET bottles/bottle bales/flakes washing and recycling line mainly used to recycling waste PET bottle, PP PE HDPE hard bottles flakes, Blue Drums Chemical barrel, PVC and some other plastics. The whole line is fully automatic and it has characteristics of high efficiency, low noise and easy operation.the humidity of final output could be within 1%.It adopts hot water washing to get good quality. Various output capacities can be chosen: 500kg/h, 1000kg/h, 1500kg/h 2000kg/h.3000kg/h,5000kh/h.

The waste dirty material go through delabelling, crushing, washing, drying, and collecting process will turn to be clean flakes for reuse.

This pet bottle washing machine can be displayed "L" or "U" shape according to clients' workshop.

We can also customize the washing line components according to client's material and product requirement.

Machine List					
1.0	Metal chain conveyor (sink into ground)	8.0	Steel platform	15.0	High speed dewatering machine
2.0	Bale breaker	9.0	Manual sorting table	16.0	Two way screw conveyor
3.0	Double screw loader	10.0	Metal detector and automatic separation device	17.0	Hot washer
4.0	Trommel	11.0	Crusher	18.0	High speed friction washer
5.0	Belt conveyor	12.0	Horizontal screw conveyor	19.0	Z type label blower
6.0	Label remover	13.0	Screw loader	20.0	Silo
7.0	Bottle washer	14.0	Floating washer	21.0	Electric cabinet



Products Display



01 Conveying unpacking system

The metal chain plate conveyor with adjustable speed greatly improves the efficiency and is more durable.

The unpacking machine adopts the special structural design of angle 2-axis unpacking and 2-axis breaking, which is fully dissolved Bottle bricks ensure the subsequent conveying process and minimize energy consumption

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02 Remover label system

It is mainly used to peel off the label paper on the surface of pet;

Ensure the integrity of bottles and bottlenecks and reduce the loss of high-quality bottle mouth materials.



03 Sorting system

Final classification and screening of bottle body before crushing;

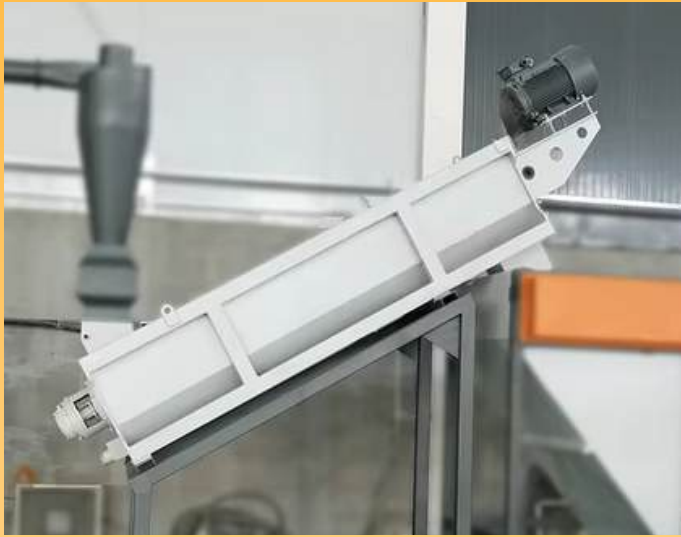
The separation system is a necessary way to ensure the quality of the product by screening out the foreign matters left in each unit in the front section.



04 Crushing system

Different models of crushers are selected according to different output; The main shaft and box of the crusher are made of wear-resistant materials, which is safer and more durable.





05 Friction cleaning system

Add high-speed friction cleaning machine to remove impurities more effectively and achieve ideal cleaning effect.

06 Hot washing system

Thermal cleaning can effectively remove the residual glue, oil stain and some small impurities on the surface of the bottle, which is very important to the service life and product quality of the filter components of the downstream products.



07 De-watering system

The moisture content of the final material plays a vital role in the next process: The corresponding centrifugal dehydration and hot air drying system can be equipped according to the moisture content set according to the production requirements.



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Model	BXA-500	BXA-1000	BXA-2000	BXA-3000
Input capacity	500kg/h	1000 kg/h	2000 kg/h	3000kg/h
Workshop(M*M*M)	42 (L)×10(W)×6(H)	55(L)×15(W)×6(H)	70(L)×18(W)×6(H)	70(L)×30(W)×7(H)
Ancillary staff	6	8	12	12
Installation power	156KW	307KW	420KW	652KW
Water consumption	2Ton/h	3.5Ton/h	5 Ton/h	18Ton first timethen 2-3Ton/h
Final product	Moisture: max 0.7%Bulk density: 0.3G/CM3Particle size: 14-18mmMetal content: max.20ppmFloatable contamination: less than 200ppmTotal impurity: 320ppm	Moisture: max 0.7%Bulk density: 0.3G/CM3Particle size: 14-18mmMetal content: max. 20ppmFloatable contamination: less than 200ppmTotal impurity: 320ppm	Moisture: max 0.7%Bulk density: 0.3G/CM3Particle size: 14-18mmMetal content: Max. 20ppmFloatable contamination: less than 200ppmTotal impurity: 320ppm	Moisture: max 0.7%Bulk density: 0.3G/CM3Particle size: 14-18mmMetal content: Max. 20ppmFloatable contamination: less than 200ppmTotal impurity: 320ppm

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ABOUT US

Riders Star Group Ltd. is your premier destination for sourcing, importing, and installing top-quality business machinery. With over **9 years** of experience in the industry, we've established ourselves as a trusted partner for businesses seeking reliable and efficient equipment.

Our commitment to excellence is reflected in every aspect of our services. From the moment you choose a machine to its installation and ongoing support, we're dedicated to ensuring your complete satisfaction. We offer a wide range of products, each backed by a **guarantee** of quality and performance.

Our team of experts is always available to provide **comprehensive training** on your new equipment, empowering your staff to maximize its potential.

Led by **Md. Towhidur Rahman**, CEO, Riders Star Group Ltd. is committed to delivering exceptional value and service to our customers.