SHENGHAO

SCRAP PROCESSING EQUIPMENT

PRODUCT CATALOGUE

2026 EDITION

We select it. We inspect it. We consolidate it.
And we stay accountable after it lands.



9 equipment categories · 82 configurations · Xintai, Shandong, China

ABOUT

What we are — and what we are not

We are an equipment supplier for scrap processing lines. We are not a factory.

We select the machine, buy it from a vetted partner factory in Shandong, inspect it before shipment, consolidate it into one container and stay accountable after delivery. One contract, one shipment, one contact.

That distinction matters when something goes wrong. A factory sells what it builds. We sell what we have checked, packed and shipped — and our reputation is the machine that arrives working, not the machine that left the workshop.

HOW WE WORK

01 Brief You describe the material, the output and the site. We tell you what the machine has to do — before any model number is mentioned.

02 Selection One configuration, proposed with the reason. If two models fit, you get the comparison, not the more expensive one.

03 Inspection Photographs, a test run and measurements, sent before the balance payment. Not after.

04 Shipment and after Consolidated loading, lashing photographs, documents, and the partner factory's warranty coordinated by us.

WHAT WE ARE NOT

Not a factory. We do not own a workshop and we do not pretend to. The factory that builds your machine is named in the quotation.

Not a price list. Every quotation is line-item, against a specified machine, packing and destination. There is no list price, because there is no standard destination.

Not a broker who disappears. The same contact answers before the deposit and after the balance. Responsibility does not end at the bill of lading.

COMMERCIAL TERMS

Item	Detail
Registered business	Shenghao Machinery Processing Factory — individual industrial and commercial business, Xintai, Shandong
Role	Equipment supplier and export coordinator. Machines are built by partner factories; the factory is named in every quotation.
Lead time	7 days for standard models. Magnets, hydraulic grabs and double-cylinder shears are confirmed per model.
Warranty	12 months from the bill of lading date, executed by the partner factory and coordinated by Shenghao.
Payment	30% deposit to schedule production; 70% before loading, after the inspection report is approved.
Trade term	FOB Qingdao; CIF on request.

CONTENTS

Nine categories, eighty-two configurations

Category	Product	Configurations
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Container handling	Container Tipper — 20 ft	1 specification

Every configuration is listed with the parameters that decide the purchase: force, chamber, blade, output and power. Where a machine has one specification, the specification is given in full.

SCOPE OF SUPPLY

Every quotation states what is included, what is optional, who is responsible for it and where it is sourced. Nothing is left to the assumption that it is obvious.

CUTTING · Q91Y SERIES

Gantry Scrap Shear

A loading table, a clamp and a horizontal blade — the standard machine for long, mixed scrap.



The Q91Y cuts on a horizontal bed under a gantry frame. Material is laid out on the table, clamped by the side rams and sheared by the main blade. It is the machine most yards reach for when the material is long, mixed and does not need to be pre-cut.

8 configurations **315–1,500 t** shearing force **2–45 t/h** listed capacity

Model	Force (t)	Chamber L×W×H (mm)	Blade (mm)	Capacity (t/h)	Motor (kW)
Q91Y-315	315	3000 × 1200 × 600	1,200	2–5	48.57
Q91Y-400	400	6500 × 1400 × 700	1,400	5–8	74
Q91Y-500	500	7000 × 1600 × 800	1,600	6–10	111
Q91Y-630	630	8000 × 1600 × 900	1,600	15–20	180
Q91Y-800	800	8000 × 2000 × 1000	1,800	18–22	225
Q91Y-1000	1000	8000 × 2000 × 1200	2,000	20–25	270
Q91Y-1250	1250	8000 × 2000 × 1200	2,000	30–40	315
Q91Y-1500	1500	10000 × 2000 × 1200	2,200	35–45	360

Output is listed on a material basis, not guaranteed for every scrap mix. Confirm against your material, loading method and required output.

CUTTING · QX SERIES

Box Shear

Loads and cuts inside a chamber. The compact answer when floor space is the constraint.



The box shear holds material in a chamber and cuts it with a horizontal blade, so there is no long table to feed. That makes it a compact alternative to a gantry shear on sites where floor space decides what can be installed.

6 configurations **5–35 t/h** listed output **74–275 kW** installed power

Model	Chamber L×W×H (mm)	Opening (mm)	Blade edge (mm)	Output (t/h)	Power (kW)
QX-400	2,400 × 1,400 × 2,000	400	1,400	5–8	37 × 2
QX-500	2,400 × 1,400 × 2,000	400	1,400	10–15	45 × 2
QX-630	2,400 × 1,600 × 2,000	400	1,600	12–15	55 × 2
QX-800	2,400 × 1,600 × 2,000	400	1,600	15–20	55 × 3
QX-1000	2,400 × 2,000 × 2,000	400 / 500	2,000	20–25	55 × 4
QX-1250	3,000 × 2,000 × 2,000	400 / 500	2,000	25–35	55 × 5

Chamber size sets the largest piece you can load without pre-cutting. Confirm the configuration against your material and loading method before ordering.

CUTTING · Q43 SERIES

Crocodile Shear

A pivoting blade against a bed knife: fast on bar, pipe and prepared sections.



The crocodile shear works like a pair of scissors. It is smaller, cheaper to power and faster on short, prepared material than a gantry or box shear of comparable cutting force — and it is the right machine when the material arrives already sized.

9 configurations **60–500 t** cutting force **7.5–60 kW** total power

Model	Force (t)	Blade (mm)	Square steel (mm)	Round steel (mm)	Power (kW)
Q43-63	60	600	30 × 30	35	7.5
Q43-100	100	600	40 × 40	45	7.5
Q43-120	120	600	50 × 50	50	15
Q43-160	160	700	55 × 55	60	18.5
Q43-200	200	800	70 × 70	75	22
Q43-250	250	1,000	80 × 80	85	30
Q43-315	315	1,200	90 × 90	95	37
Q43-400	400	1,500	100 × 100	100	44
Q43-500	500	1,600	110 × 110	100	60

Capacity is listed by material section, not by tonnage per hour. The square and round figures are the real limit — tonnage alone tells you nothing.

CUTTING · JS SERIES

Double Cylinder Hydraulic Shear

Excavator-mounted shears, matched to the carrier rather than to the catalogue.



Two families: the eagle-beak rotating shear for mixed and awkward scrap, and the full-blade shear for straight cutting of plate and sections. Both are chosen from the carrier's tonnage, hydraulic flow and pin dimensions — the machine follows the excavator, not the other way round.

12 configurations **6–80 t** carrier range **2** blade families

Model	Family	Carrier	Weight	Jaw opening	Cutting force
JS80RT	Eagle-beak rotating shear	6–9 t	580 kg	302 mm	310 / 950 kN
JS150RT	Eagle-beak rotating shear	12–18 t	1,350 kg	389 mm	530 / 1,500 kN
JS280-II RT	Eagle-beak rotating shear	20–28 t	2,450 kg	500 mm	750 / 2,000 kN
JS380-III RT	Eagle-beak rotating shear	20–38 t large arm / 30–38 t small arm	3,800 / 4,200 kg	600 mm	1,050 / 3,000 kN
JS450-III RT	Eagle-beak rotating shear	30–50 t large arm / 40–50 t small arm	6,100 / 6,500 kg	702 mm	1,550 / 4,150 kN
JS550RT	Eagle-beak rotating shear	36–60 t large arm / 46–60 t small arm	6,900 / 7,200 kg	816 mm	2,070 / 5,750 kN
JS800RT	Eagle-beak rotating shear	50–80 t large arm / 60–80 t small arm	8,500 / 8,900 kg	922 mm	2,700 / 7,500 kN
JSDF220	Full-blade twin-cylinder shear	12–18 t	1,600 kg	600 mm	1,080 / 750 kN
JSDF290 · spec-sheet variant	Full-blade twin-cylinder shear	Confirm by carrier	3,100 kg	770 mm	300 tons
JSDF310 · drawing variant	Full-blade twin-cylinder shear	25–35 t	3,050 kg	740 mm	1,560 / 1,180 kN
JSDF310 · spec-sheet variant	Full-blade twin-cylinder shear	Confirm by carrier	3,900 kg	900 mm	400 tons
JSDF390	Full-blade twin-cylinder shear	33 t minimum	4,400 kg	800 mm	250 tons middle / 150 tons tip

Full specifications — flow, pressure, bore and mounting dimensions — are confirmed against your carrier before the order is placed.

COMPACTION · Y81 SERIES

Metal Baler

From 125 t for cans and chips to 1,500 t for heavy scrap — one family, twenty-two sizes.



The Y81 range covers the whole span of metal compaction. The three smallest models — Y81-125, Y81F-160 and Y81F-200 — are the ones used for machining chips, aluminium cans and light-gauge scrap; the larger models handle mixed yard scrap and plate offcuts.

22 configurations **125–1,500 t** baling force **0.8–30 t/h** listed output

Model	Chamber L×W×H (mm)	Bale (mm)	Total power	Output (t/h)
Y81-125	1200 × 700 × 600	300 × 300	15 kW	0.8–1.2
Y81F-160	1600 × 1200 × 800	400 × 400	22 kW	2–4
Y81F-200	1600 × 1200 × 800	400 × 400	18.5 kW × 2	2–4
Y81-250C	2500 × 2000 × 1000	500 × 500	30 kW × 2	5.8–7
Y81-250D	3000 × 2000 × 1200	600 × 600	30 kW × 2	6–7.5
Y81-250E	3000 × 2500 × 1200	600 × 600	37 kW × 2	6.5–8
Y81-315B	2500 × 2000 × 1000	500 × 500	45 kW × 2	6–7.5
Y81-315C	3000 × 2000 × 1200	600 × 600	45 kW × 2	6.5–7.5
Y81-315D	3000 × 2500 × 1200	600 × 600	45 kW × 2	7.2–8
Y81-315E	3500 × 3000 × 1200	700 × 700	45 kW × 2	7.8–9
Y81-400A	3000 × 2500 × 1400	700 × 700	37 kW × 3	7.5–9
Y81-400B	3500 × 3000 × 1400	700 × 700	37 kW × 3	9–12
Y81-400C	4000 × 3000 × 1300	700 × 700	45 kW × 3	10–14
Y81-500B	3500 × 3000 × 1300	700 × 700	45 kW × 3	8–12
Y81-500C	4000 × 3000 × 1300	700 × 700	45 kW × 3	10–15
Y81-500D	2500 × 2000 × 1000	700 × 700	45 kW × 3	12–17
Y81-630A	3000 × 2500 × 1300	400 × 400	45 kW × 3	6–8
Y81-630B	3500 × 3000 × 1300	700 × 700	45 kW × 4	9–13
Y81-630C	3500 × 3000 × 1300	700 × 700	45 kW × 4	12–18
Y81-800	3500 × 3000 × 1300	700 × 700	45 kW × 5	15–20
Y81-1000	3500 × 3000 × 1300	700 × 700	45 kW × 6	18–25
Y81-1500	3500 × 3000 × 1300	700 × 700	45 kW × 8	25–30

Bale size is what your buyer accepts and what your grab can lift — decide that before the model. Y81-630A produces a 400 × 400 mm bale; the other 630 models use 700 × 700 mm.

HANDLING · MW5 SERIES

Lifting Electromagnet — MW5 electric

Crane-mounted. Rated for continuous duty at 75% and sized by what your crane can carry.



MW5 electric magnets are the standard choice for overhead cranes in yards and mills. The model is chosen from the lifting capacity you need and the duty cycle, then confirmed against the crane's rated load — including the magnet's own weight.

Model	Voltage	Power / current	Diameter / height	Duty	Magnet weight	Lifting capacity
MW5-70L	DC220	3 kW / 15 A	700 / 300	75%	0.5 t	300 kg
MW5-80L	DC220	4 kW / 18 A	800 / 300	75%	0.7 t	400 kg
MW5-90L	DC220	6 kW / 26.6 A	900 / 300	75%	0.9 t	500 kg
MW5-100L	DC220	7 kW / 30.6 A	1000 / 300	75%	1 t	600 kg
MW5-110L	DC220	8 kW / 35 A	1100 / 300	75%	1.2 t	800 kg
MW5-120L	DC220	10 kW / 41 A	1200 / 300	75%	1.3 t	1 t
MW5-130L	DC220	12 kW / 45 A	1300 / 300	75%	1.6 t	1.2 t
MW5-150L	DC220	15 kW / 72 A	1500 / 340	75%	2.2 t	1.7 t
MW5-165L	DC220	16 kW / 75 A	1650 / 340	75%	2.8 t	2.3 t
MW5-180L	DC220	22 kW / 102 A	1800 / 370	75%	3.3 t	3 t
MW5-210L	DC220	28 kW / 162 A	2100 / 370	75%	4 t	4 t

Lifting capacity is rated on clean, flat steel with full face contact. Loose or tangled scrap presents a fraction of that area and reduces the practical load accordingly.

HANDLING · STP SERIES

Lifting Electromagnet — STP hydraulic

Excavator-mounted. Matched to the carrier's hydraulic circuit, not to a crane's lifting capacity.



STP magnets run from the excavator's hydraulics, so the deciding figures are flow, pressure and the carrier's tonnage class rather than the crane's capacity.

Model	Unit mass (kg)	Dimensions (mm)	Magnetic force (Gs)	Voltage (V)	Excavator class (t)
STP1000	1350	1000 x 1000 x 1150	5500 {7000}	100-500	12-18
STP1000T	1450	1000 x 1300 x 1150	5500 {7000}	100-500	12-18
STP1200	1850	1200 x 1200 x 1150	6000 {8000}	100-500	20-30
STP1200T	1950	1200 x 1650 x 1150	6000 {8000}	100-500	20-30
STP1300	2050	300 x 1300 x 1150	8000 {10000}	100-500	30-36
STP1300T	2150	300 x 1750 x 1150	8000 {10000}	100-500	30-36
STP1600	3500	1600 x 1600 x 1600	13000 {15000}	100-500	36-45
STP1600T	3700	2000 x 2000 x 2000	13000 {15000}	100-500	36-45

Working pressure 20 MPa throughout; hydraulic flow 100–500 L/min depending on the model. Confirm the carrier's flow and pressure against the model before ordering.

HANDLING · JSOG / JSMG SERIES

Hydraulic Grab

The carrier decides the grab. Tonnage, flow and pin size come before volume.



Rotating and cross-swing grabs for 9–35 t excavators, plus mechanical grabs for cranes. The configuration is set by the carrier's hydraulics and mounting dimensions; volume is chosen after that, against the material.

6 configurations **9–35 t** carrier class **0.33–1.2 m³** listed volume

Model	Type	Carrier	Weight	Volume	Flow	Pressure
JSOG150BS-5T	Cross-swing hydraulic 5-tine grab	9–16 t	1,000 kg	0.6 m³	140–200 L/min	220–260 kg/cm²
HMG06-A	Hydraulic grab drawing reference	12–15 t	1,380 kg	0.33 m³	60–75 L/min	180–220 bar
JSOG200AR-5T	Rotating hydraulic 5-tine grab	18–26 t	2,100 kg	0.8 m³	200–250 L/min	240–280 kg/cm²
JSOG300BS-5T	Cross-swing hydraulic 5-tine grab	20–35 t	1,950 kg	1.2 m³	220–280 L/min	260–300 kg/cm²
JSMG08A	Mechanical grab · strapped mounting	18–24 t	1,010 kg	Not stated	Mechanical	Not applicable
CUSTOM-4+3-20T	4+3 rotating hydraulic grab	20 t project configuration	Confirm by order	Confirm by order	Confirm by carrier	Confirm by carrier

Pin size and mounting dimensions must be confirmed against the carrier before manufacture. A grab that does not fit the machine cannot be adapted on arrival.

SIZE REDUCTION

Twin-Shaft Metal Shredder

One base machine, configured by the screen and the options.



Twin counter-rotating shafts pull material down and shear it against a screen that sets the output size. It handles drums, car bodies and mixed ferrous with less pre-cutting than a single-shaft machine, at the cost of a coarser and less uniform output.

4–8 t/h on mixed ferrous **1,200 mm** feed opening **75 kW** drive

Parameter	Value
Throughput	4–8 t/h on mixed ferrous
Feed opening	1,200 mm
Output size	Around 10 mm, set by the screen
Drive	75 kW with overload protection
Shafts	Twin, counter-rotating
Knives	Replaceable hardened steel
Options	Hydraulic lid opening, magnetic separation, discharge conveyor

The screen sets the output size; the material sets the throughput. Confirm both against the scrap you actually process.

CONTAINER HANDLING

Container Tipper — 20 ft

One specification, built for 20 ft containers at 40 t.



The tipper lifts a loaded 20 ft container to 90 degrees for controlled unloading. It removes the manual labour from container discharge and makes the unloaded material accessible to a grab or magnet in one pass.

40 t rated lift **0–90°** tilting range **≤100 s** working cycle

Parameter	Value
Container	20 ft standard
Rated lifting capacity	40,000 kg (40 t)
Tilting angle	0–90°, single direction
Lifting stroke	1,000 mm (3,650–4,650 mm spreader height)
Working cycle	≤100 s — pick up, tilt, lower, load
Hydraulic pressure	26 MPa
Motor	15 kW, 380 V / 50 Hz
Adjustment	600 mm longitudinal, 500 mm lateral

Other container sizes are confirmed per order. Site preparation and foundation requirements are supplied with the quotation.

LINE PACKAGES

Starting points, not standard lines

A package combines the machines a line needs, sized so they feed each other rather than compete. Every package is re-checked against your material and output before a quotation is issued — the combinations below are starting points, not fixed products.

Package	Includes	Best for
Small yard	Crocodile shear 120–200 t + Y81-250 baler + grab	One container; hand-fed layout
Mid yard	Box shear QX-630 + Y81-400 baler + MW5 magnet	Space-constrained sites
Full line	Gantry shear Q91Y-630 + Y81-500 baler + STP1600 magnet + grab	Mixed scrap, single shift
Container import	Gantry shear + baler + container tipper	Yards receiving scrap by container
Shredder line	Twin-shaft shredder + discharge conveyor + magnet + baler	Size reduction before sale

A package is quoted line by line, with the factory named for each item — not as a single price with the detail hidden inside it.

PROJECTS

Five destinations, photographed twice

Every project below was photographed when it was packed and when it arrived. The same crates, two ends of the route — which is the only kind of evidence a buyer can actually check.



Chile

Container tipper

Packed, shipped, installed. Customer video of the first container emptied.



Argentina

Box shear for Romilsa

Packing photographs, arrival photographs, customer video.



Syria

Electromagnets, two orders

First unit commissioned, then a second order for a second carrier — and a baler under review.



Saudi Arabia

Magnets and shear

Mixed consignment loaded as one shipment.



Egypt

630 t baler

Flat rack shipment, commissioning on site, two customer videos.

Tell us what you process.

We will tell you which machine does it — before we quote anything.

WHAT TO SEND WITH YOUR ENQUIRY

— Material: what it is, maximum dimensions, how it arrives at your yard
— Output: tonnes per hour or per shift you need to process
— Site: floor space, power supply, loading method
— Destination: port, and the trade term you want

SHENGHAO MACHINERY PROCESSING FACTORY

Contact	Detail
Web	shenghaorecycling.com
Email	info@shenghaorecycling.com
WhatsApp	+86 187 6548 3077
Location	Xintai, Shandong, China
Trade term	FOB Qingdao · CIF on request

Equipment supplier for scrap processing lines. Machines built by partner factories in Shandong, inspected before shipment, consolidated into one container.