RECYCLING EQUIPMENT SUPPLIER

COPPER WIRE GRANULATORS & SHREDDERS

Eight models for scrap yards, e-waste recyclers and metal traders. Dry separation cable lines from 30 kg/h, twin-shaft shredders with blade sets from Ø80 mm.

COPPER GRANULATOR

FJ-TM180	30–50 kg/h
FJ-TM200	40–70 kg/h
FJ-TM220	30–50 kg/h
FJ-TM260	50–90 kg/h
FJ-TM360	100–150 kg/h

SHREDDER

FJ-SS180	Ø80×8
FJ-SS300	Ø180×14
FJ-SS400	Ø180×20



FJ-TM360 · 100–150 kg/h

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Reply in English · specifications subject to change without notice

DRY-TYPE CABLE RECYCLING

Copper wire granulator

Cable is crushed, air-separated and dust-collected in one pass — copper granule and plastic granules out the other end. No water, no chemicals, no pre-stripping.

MODEL	OUTPUT	POWER	NET WEIGHT	PACKED
FJ-TM180	30–50 kg/h	3.9 kW	261 kg	339 kg
FJ-TM200	40–70 kg/h	4.5 kW	300 kg	350 kg
FJ-TM220	30–50 kg/h	5.3 kW	256 kg	330 kg
FJ-TM260	50–90 kg/h	5.75 kW	350 kg	440 kg
FJ-TM360	100–150 kg/h	8.86 kW	680 kg	843 kg

What it does

The crusher reduces mixed cable, the air separator sorts copper from plastic by density, and the dust collector keeps the workshop clean. Output figures are for typical mixed cable; thin or heavily contaminated cable runs slower.

FJ-TM180

OUTPUT

30–50 kg/h



DRY-TYPE COPPER WIRE GRANULATOR

Crusher, air separator, shaker and dust collector on one base frame. Feed mixed cable, get copper granule and plastic granules.

GROSS POWER

3.9 kW

MACHINE SIZE

600×900×1700 mm

VOLTAGE

220 V

SUCTION POWER

0.35 kW

MAIN ENGINE

3 kW

PACKING WEIGHT

339 kg

MACHINE WEIGHT

261 kg

SHAKER POWER

0.18 kW

BLOWING POWER

0.37 kW

PACKING SIZE

680×1000×2030 mm

FJ-TM200

OUTPUT

40–70 kg/h



DRY-TYPE COPPER WIRE GRANULATOR

Crusher, air separator, shaker and dust collector on one base frame. Feed mixed cable, get copper granule and plastic granules.

GROSS POWER

4.5 kW

MACHINE SIZE

560×805×1600 mm

VOLTAGE

220 V

SUCTION POWER

0.37 kW

MAIN ENGINE

3 kW

PACKING WEIGHT

350 kg

MACHINE WEIGHT

300 kg

SHAKER POWER

0.38 kW

BLOWING POWER

0.75 kW

PACKING SIZE

730×870×1760 mm

FJ-TM220

OUTPUT

30–50 kg/h



DRY-TYPE COPPER WIRE GRANULATOR

Crusher, air separator, shaker and dust collector on one base frame. Feed mixed cable, get copper granule and plastic granules.

GROSS POWER

5.3 kW

MACHINE SIZE

900×720×1785 mm

VOLTAGE

220 V

SUCTION POWER

0.37 kW

MAIN ENGINE

4 kW

PACKING WEIGHT

330 kg

MACHINE WEIGHT

256 kg

SHAKER POWER

0.18 kW

BLOWING POWER

0.75 kW

PACKING SIZE

980×980×1980 mm

FJ-TM260

OUTPUT

50–90 kg/h



DRY-TYPE COPPER WIRE GRANULATOR

Crusher, air separator, shaker and dust collector on one base frame. Feed mixed cable, get copper granule and plastic granules.

GROSS POWER

5.75 kW

MACHINE SIZE

1160×620×1800 mm

VOLTAGE

220 V

SUCTION POWER

0.75 kW

MAIN ENGINE

4 kW

PACKING WEIGHT

440 kg

MACHINE WEIGHT

350 kg

SHAKER POWER

0.25 kW

BLOWING POWER

0.75 kW

PACKING SIZE

1250×1030×2000 mm

FJ-TM360

OUTPUT

100–150 kg/h



DRY-TYPE COPPER WIRE GRANULATOR

Crusher, air separator, shaker and dust collector on one base frame. Feed mixed cable, get copper granule and plastic granules.

GROSS POWER

8.86 kW

MACHINE SIZE

1490×900×2108 mm

VOLTAGE

380 V

SUCTION POWER

1.5 kW

MAIN ENGINE

5.5 kW

PACKING WEIGHT

843 kg

MACHINE WEIGHT

680 kg

SHAKER POWER

0.36 kW

BLOWING POWER

1.5 kW

PACKING SIZE

1630×1330×2220 mm

SIZE REDUCTION

Industrial shredder

Twin-shaft, low speed, high torque. Sits ahead of a granulator or separation line when the feed is bulky, mixed or contaminated.

MODEL	BLADE SET	MOTOR	NET WEIGHT	PACKED
FJ-SS180	Ø80×8	1.5 kW	133 kg	157 kg
FJ-SS300	Ø180×14	3 kW	433 kg	479 kg
FJ-SS400	Ø180×20	5.5 kW	568 kg	600 kg

What it does

Slow shaft speed means torque rather than impact: cable reels, e-waste housings and light mixed metal are cut down to a size the next stage can take, with less wear than a fast hammer mill.

FJ-SS180

BLADE SET

Ø80×8



TWIN-SHAFT INDUSTRIAL SHREDDER

Twin-shaft size reduction for cable, e-waste and light metal. Low-speed shaft, high torque, cutters that can be re-sharpened instead of replaced.

BLADE SET

Ø80×8

DIMENSIONS

700×400×1200 mm

MOTOR

1.5 kW

PACKING WEIGHT

157 kg

VOLTAGE

220 V

PACKING SIZE

810×480×1340 mm

NET WEIGHT

133 kg

FJ-SS300

BLADE SET

Ø180×14



TWIN-SHAFT INDUSTRIAL SHREDDER

Twin-shaft size reduction for cable, e-waste and light metal. Low-speed shaft, high torque, cutters that can be re-sharpened instead of replaced.

BLADE SET

Ø180×14

DIMENSIONS

930×550×1470 mm

MOTOR

3 kW

PACKING WEIGHT

479 kg

VOLTAGE

380 V / 220 V

PACKING SIZE

1110×690×1650 mm

NET WEIGHT

433 kg

FJ-SS400

BLADE SET

Ø180×20



TWIN-SHAFT INDUSTRIAL SHREDDER

Twin-shaft size reduction for cable, e-waste and light metal. Low-speed shaft, high torque, cutters that can be re-sharpened instead of replaced.

BLADE SET

Ø180×20

DIMENSIONS

1050×610×1680 mm

MOTOR

5.5 kW

PACKING WEIGHT

600 kg

VOLTAGE

380 V

PACKING SIZE

1230×730×1850 mm

NET WEIGHT

568 kg

NEXT STEP

Get a price

Send the model, the cable you run and the destination port. That is usually enough to come back with a figure the same working day.

WHATSAPP

+86 188 1935 2220

Prices, spare parts and shipping questions all go here.

EMAIL

nikals.machinery@outlook.com

For drawings, packing lists and paperwork.

Before you write

Voltage at your site (220 V, 380 V or other), the cable mix you process, and the daily volume you expect. Overseas customers mostly take 380 V; 220 V is common on smaller single-phase sites.

Prices are FOB China main ports unless you ask otherwise. Packing weight and size above are ready for sea freight; fre