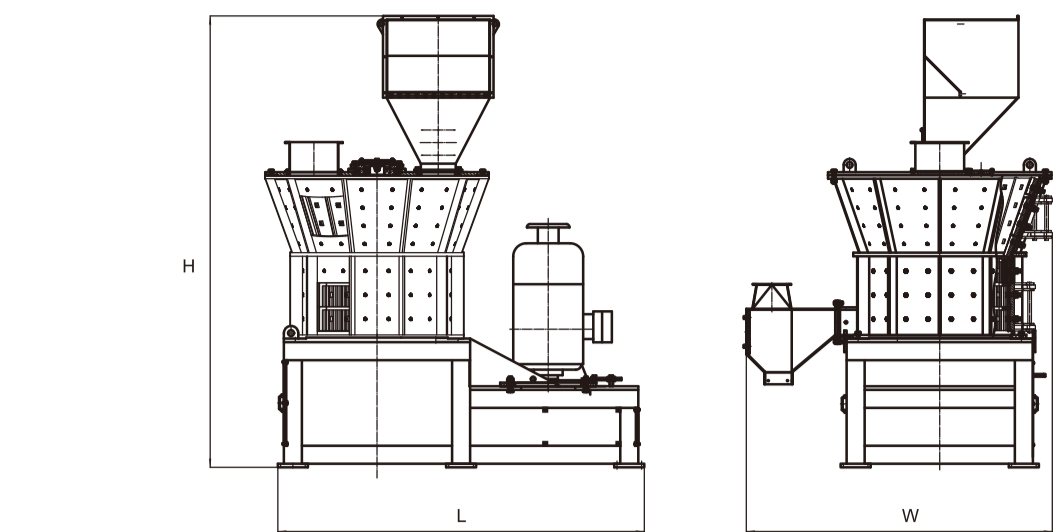


立式破碎机 | VERTICAL GRANULATOR

立式破碎机主要用于厚度较薄、强度较低的金属材料或非金属脆性物料的破碎回收，如汽车外壳、冰箱外壳、电脑机箱等废旧物料，同时适用于相对较大中空物料的破碎。经此机型破碎后的铁质物料更加密实，堆积密度大于1200 kg/h，可满足客户对小尺寸大量出的料的需求，同时设备可作为二级破碎设备使用。

The Vertical Granulator is design for recycling the thin and low strength metals or nonmetal brittleness materials. Suitable for crushing materials including: car shell, shell of WEEE, computer case and etc. The materials are broken is more dense, bulk density > 1200 kg/h. Besides, this machine can be used as a secondary crushing equipment.



Model Item	PCL100	PCL200	PCL400
外形尺寸 Dimension L*W*H(mm)	3020×3290×4570	4040×3470×5300	4580×3200×6300
破碎腔高度 High Of The Cutting Chamber(mm)	675	835	950
刀轴间距 Rotor Diameter(mm)	φ1130	φ1250	φ1400
主电机功率 Main Motor Power(kw)	75	132	320
设备重量 Weight(kg)	8000	13000	18000
破碎产量 Capacity(kg/h)	1000-2000	3000-5000	6000-8000

说明 | NOTICE

以上规格仅供参考，如有更改恕不另行通知。请在订购前与销售代表确认。
The above specifications are only for reference and subject to change without prior notice, please confirm with our sales representative when making order.

3E MACHINERY
New Machine

广州市联冠机械有限公司
GUANGZHOU 3E MACHINERY CO., LTD.

国内销售热线: TEL: 86-(0)20-39960299
海外销售热线: TEL: 86-(0)20-84729983

www.3e-recycling.com

中国·广州市番禺区石岐镇新村泰安路9号南之五

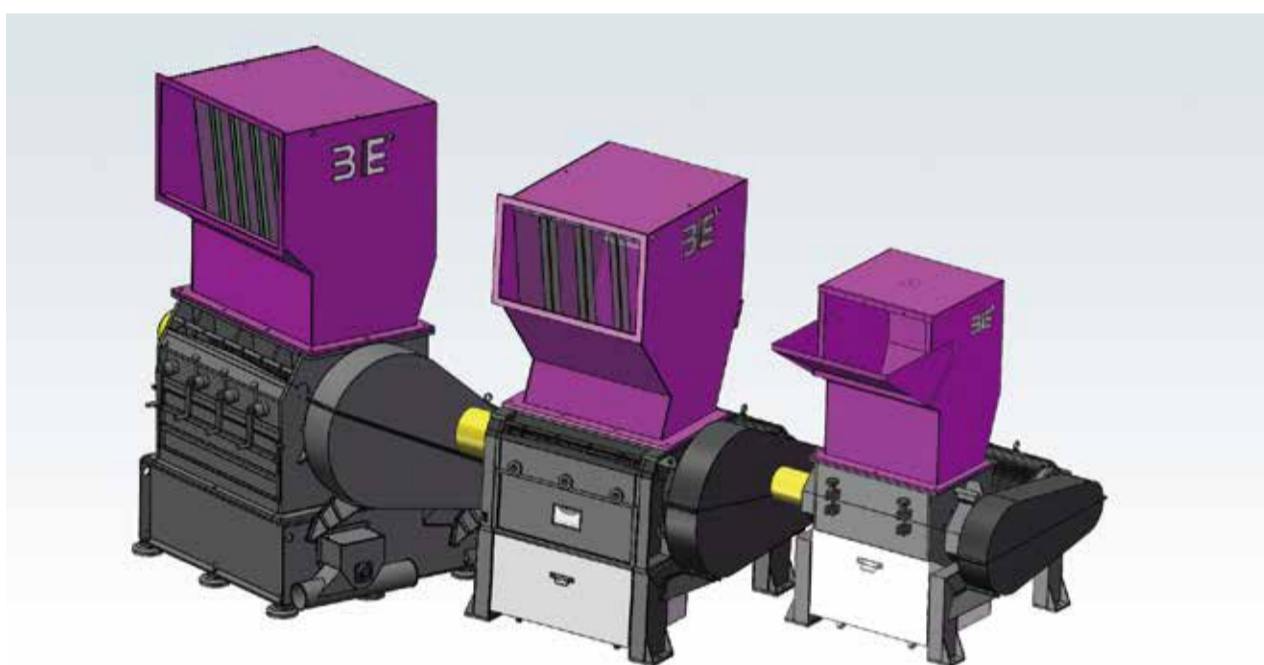


Granulator 破碎机

高效·经济·环保的破碎机
EFFICIENT·ECONOMICAL·ENVIRONMENTAL

3E 机械专注“破碎”与环保回收行业，我们专业设计，制造与销售破碎机，同时可根据客户的需求提供完整的工业废料回收解决方案。

3E Machinery is an integrated company specialized in developing, manufacture, distributing and providing recycling machinery solutions. We focus on “Shredding” and “Recycling” industry. As per customer’s requirements, 3E could provide complete recycling solutions.



PC系列破碎机主要用于塑料、金属、纸张、电子垃圾、橡胶、轮胎等物料的破碎，破碎物的外形可以是块状胶头料、薄膜、片材、管状、液口料及各种外形的中空容器等。客户可针对不同物料的破碎需求选用不同的刀轴结构，从而能更高效能。同时客户可根据需求配备风送集料装置和隔音罩。此系列破碎的箱体为对开结构，清洗、换刀、维修保养十分方便，具有经济适用，操作简易，使用寿命长等优点。

The PC series granulators are used for crushing plastic, metal, paper, electronic waste, rubber and tires. The shape of the crushing material is different that includes plastic lump, film, sheet, pipe or various shape hollow containers etc.

In order to improve the efficiency, recycling different material adopt different rotor for the machine. The material is cut cleanly between the rotor and stator knives, and cut down to a homogenous reground size determined by the screen holes on the fitted screen. At the same time, it could equip with bagging off unit and sound proof cover for the machine based on the customer’s requirements. It is split structure for the cutting chamber, so it is easy for cleaning, replacing blade, maintaining and repairing.

Key Feature | 特点

刀轴机械固定&外置轴承
Rotor locking device & external bearing

刀轴机械固定：箱体打开时，通过锁销把刀轴固定，避免刀轴移位引起造成安全事故。
Rotor Locking Device: Ensures safety during maintenance when the hopper is in the open position.
外置轴承：有效避免物料中含有的水分和粉尘进入轴承。
External bearing: External spherical rotor bearings with protective bearing covers prevents foreign objects entering the bearing housing.

筛网 | Screens

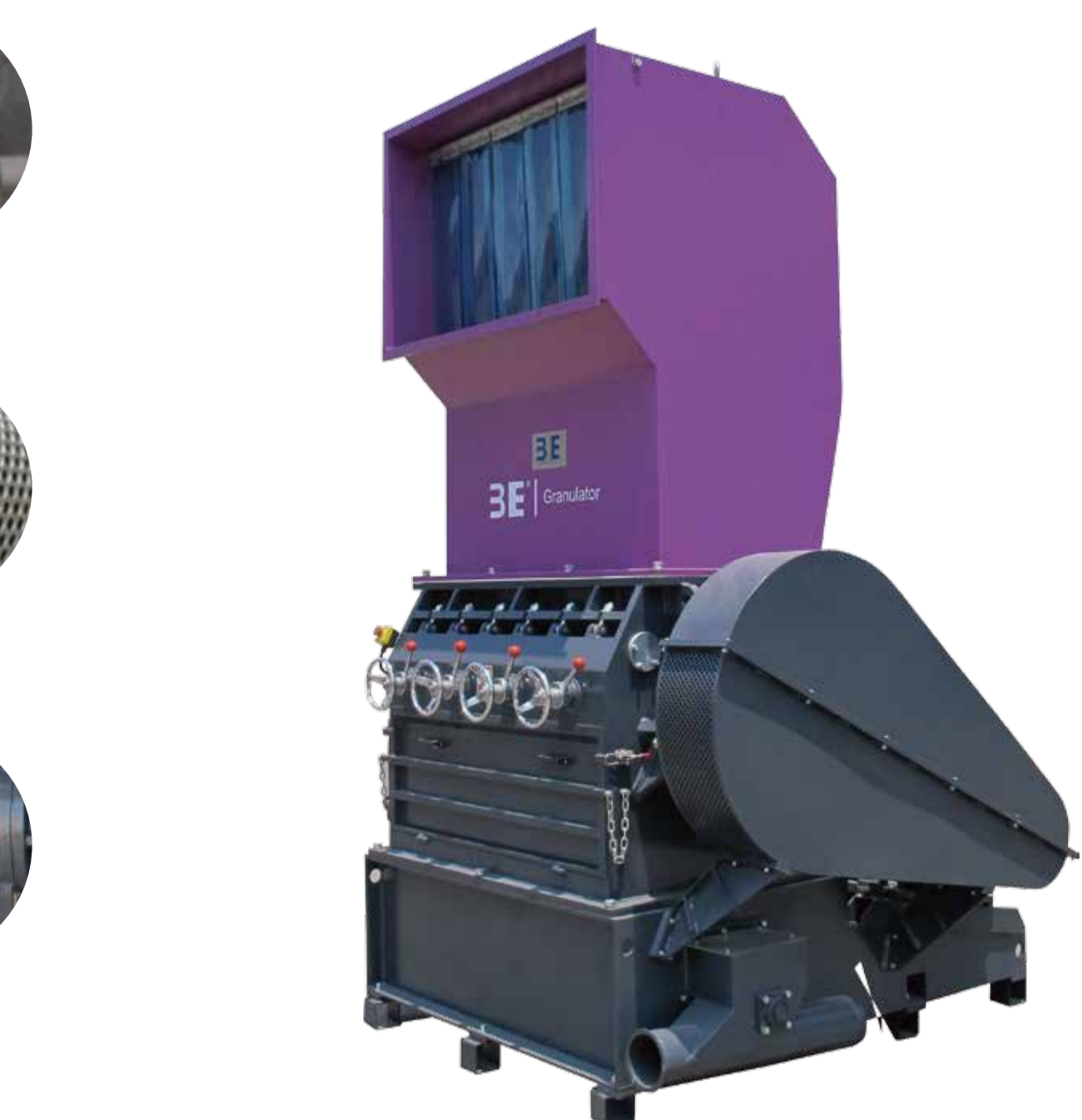
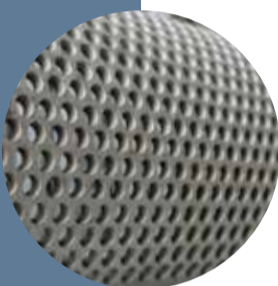
不同筛网尺寸和形状，符合客户对排料的不同需求。
A wide range of screens available to adjust the particle size of discharge materials.

螺旋出料
Optional Screw Discharge Chute

破碎后的物料通过螺旋输送自动出料，以保证机器的连续生产。
Material can be discharged from the collection chute by screw feed rather than air extrusion.

进料斗 | Hopper

加强设计，安全可靠。
Robust welded hopper with additional support struts to increase strength of hopper and prolong service life.



破碎机PC2260带隔音罩

破碎机带风送集料

破碎机+单轴破碎机的撕碎破碎线

破碎脱水一体机

破碎机+输送带



CE认证 | CE Certified

机械、电路多重保护，符合欧盟CE标准。
Safety devices in line with European CE Certification.



筛网锁定装置
Lockable Screen Support Frame (screen locking device)

通过多个锁紧螺栓紧固筛网，操作方便，牢固可靠。
Robust frame to support the screen maintains the screen shape and avoids damage to the screen.



液压开斗装置
Hydraulic Chamber Opening Mechanism

液压开斗装置和箱体打开合并，安全平稳。
Cut off the noise effectively when the machine operation.



隔音罩 | Sound Proof

能有效降低噪音设备在运行过程中对外辐射的噪音。
Cut off the noise effectively when the machine operation.

Granulator 破碎机

刀轴 | Rotor Variations

客户可根据对不同物料破碎的需求，选择不同的刀轴结构，可最大程度提高破碎产量和质量，同时可以延长设备的使用寿命。

It could improve the capacity and quality largely and extend the service life for the blade by using different rotor for different recycled material.

前置人字刀刀轴 Front Set V-Rotor

刀轴叶片间隙不大，适合破碎较坚硬的水口料、管材、厚壁物料和薄片材等物料。

The fort set chevron configuration of the V-rotor gives an efficient double scissor cut which encourages material to the centre of the cutting chamber. The gap between rotor and blade is small. It is suitable for crushing injection plastic, pipe and thick sheet etc.

后置人字刀刀轴 Rear Set V-rotor

刀轴叶片的间隙较大，能有效减少切削冲击力，适合破碎瓶子、管材等中空物料。

The rear set V-rotor is similar in design to the front set V-rotor with the rotor blades set at an inclined angle, it is particularly suitable for processing lighter materials. The gap between rotor and blade is large. It could reduce the impact force largely. It is suitable for crushing hollow material such as bottle, pipe etc.

瓶片刀刀轴 P-Rotor

此刀轴采用多组错开一定角度的后置人字刀排布，减少切削冲击力，适用于破碎薄壁物料，如PET瓶等。

The P-Rotor blades are placed on the rotor with stagger angle reducing the impact during operation. Specifically designed for processing flexible materials such PET bottle.

阶梯刀刀轴 Ladder Blade Rotor



L型刀轴 L-Rotor



刀轴采用实心刀体结构，适合破碎极坚硬材质物料，如胶头料、厚壁管、厚板等物料。

The ladder blade rotor uses a staggered blade configuration which offers high inertia and limits the amount of impact on each blade. The structure for the rotor is solid. It is used normally for processing hard/thick materials such as thick pipe, board and plastic lumps.

此刀轴叶片间的空隙较大，有利于快速吃料；刀爪较多，切削效率高，适合破碎橡胶等材质物料。

The gap between rotor and blade is large enough, and it could crush the material in short time. It is suitable for crushing rubber.

The space between the blades is bigger, that made the rotor touching the materials quickly. With multi-hooks blades, the cutting efficiency is high. Suitable for crushing materials such as rubber.

Application | 应用



• 胶头料/高硬度工程塑料
Hard Plastic
Plastic Lump (Purging)/Plastic Blocks/Engineering plastics: ABS, PC, PS



• 薄壁/薄板/编织袋/PET打包带
Soft Plastic
Plastic Films/Woven bags/ PET Strapping



• 轮胎/橡胶 Tire/Rubber



• 管材 Pipe



• 报纸/杂志/报纸板
Paper
News papers/ Magazines/cardboard/ office paper

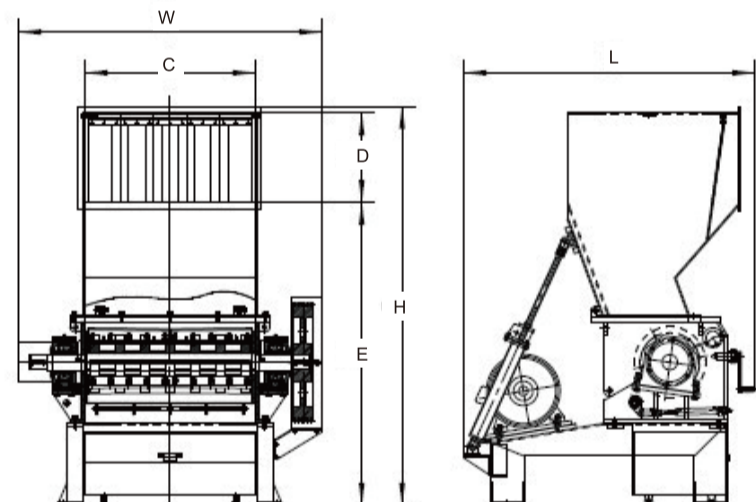


• 塑料瓶/塑料桶等中空物料
Hollow containers
Plastic bottles/ Plastic drum etc.

中小型破碎机 | SMALL & MEDIUM GRANULATOR

PC26-PC42属于常用的中小型破碎机，此系列破碎机用途广泛，经济适用性强，适用于破碎各种塑料、机头料、胶头料、片材、电路板、薄膜、橡胶等，同时适用于塑料瓶、管材等中空物料的破碎。客户可根据不同物料的破碎需求，选择不同的刀轴结构，提高破碎效率和破碎效果，也可按需配备风送集料装置和隔音结构。具有实用性强、操作简便、使用寿命长等特点。

The PC26-PC42 range of Granulators is our conventional range of small to medium size Granulators. The body of the machine is made of welded by rigid steel structure. Suitable for processing a wide range of materials including: plastic lump, sheet, plastic film, rubber, etc.



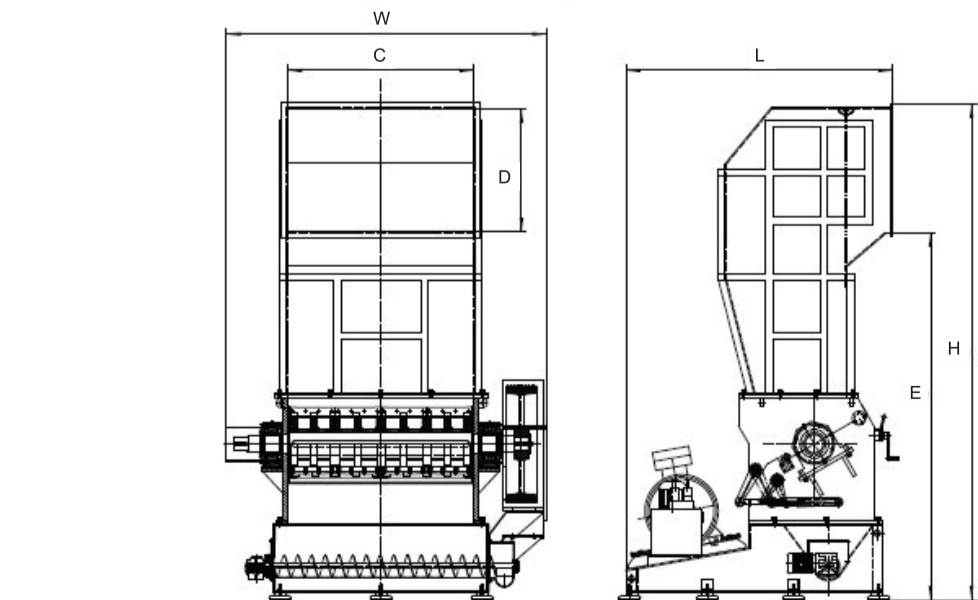
Model Item	PC2660	PC3260	PC3280	PC4280	PC42100	PC42120
外形尺寸 Dimension L*W*H(mm)	1483×1328×1740	1486×1368×1711	1586×1568×1814	1770×1642×2425	1770×1842×2425	1760×2221×2530
破碎腔尺寸 Cutting chamber C/D(mm)	634×383	634×415	834×414	834×540	1034×540	1234×540
破碎腔高度 Height (mm)	1567	1269	1369	1842	1842	1947
刀轴间距直径 Rotor Diameter(mm)	φ260	φ320	φ320	φ420	φ420	φ420
主轴转速 Main Shaft Speed(r/min)	591	438	627	466	466	462
筛网孔径 Screen Mesh(mm)	φ8	φ12	φ12	φ22	φ22	φ22
总刀轴数 Rotor-Insets(PCs)	3+2	3+2	3+2	3+2	3+2	3+2
总功率 Skate-Insets(PCs)	2X2	2+2	2X2	2X2	2X2	2X2
主电机功率 Main Motor Power(KW)	15	15	22	37	45	55
设备重量 Weight(KG)	890	1485	1646	2820	3230	3650

Granulator 破碎机

重型破碎机 | HEAVY-DUTY GRANULATOR

PC52-PC80系列属于大型破碎机，采用牢固焊接钢结构，是专门针对难碎物料而设计的通用重型设备。适用于破碎型材、管材、大块实心物料以及注胶过程中产生的废料等。客户可根据不同的出料要求，选择不同尺寸的筛网。具有实用性强、操作简便等特点。

The PC52-PC80 range of granulators is our large range of granulators, it is design for recycling the hard and thickness materials, such as proximate matter, tubes, large size solid materials, defective products etc.

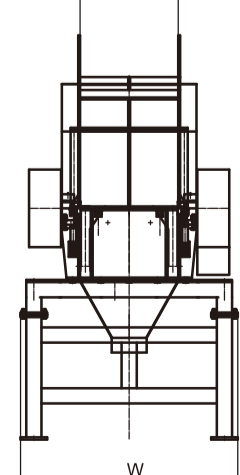
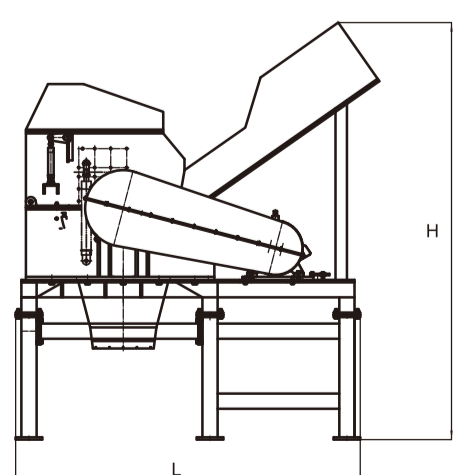


Model Item	PC52100	PC52120	PC66120	PC66160	PC80160	PC80200
外形尺寸 Dimension L*W*H(mm)	2113×2025×2984	2070×2225×2984	2410×2320×4340	2335×2808×4337	3000×2900×4763	2735×3373×4564
破碎腔尺寸 Cutting chamber C/D(mm)	1034×708	1234×705	1234×1080	1634×1080	1634×1000	2034×1000
破碎腔高度 Height (mm)	2236	2236	3214	3214	3675	3514
刀轴间距直径 Rotor Diameter(mm)	φ520	φ520	φ650	φ650	φ800	φ800
主电机功率 Main Shaft Speed(r/min)	462	462	462	414	414	420
筛网孔径 Screen Mesh(mm)	φ12	φ12	φ12	φ12	φ12	φ12
总刀轴数 Rotor-Insets(PCs)	5+2	5+2	5+2	5+4	7+4	9+4
总功率 Skate-Insets(PCs)	2X2/2X3	2X2/2X3	2X2/2X3	4X2/4X3	4X2/4X3	4X2/4X3
主电机功率 Main Motor Power(KW)	55	75	90	132	200	200
设备重量 Weight(KG)	4200	5300	7650	9720	11400	13600

锤式破碎机 | HAMMER MILL

锤式破碎机是废旧金属破碎回收生产线的核心部分。破碎机主机采用合金钢焊接去应力处理，结构更紧凑，强度更高。箱体采用密式强筋板，保证箱体具有足够的强度。刀片采用高锰钢制作，具有较高的韧性和耐冲击性，保证耐磨性，针对难碎物料设有排泄装置，具有劳动强度低，维护维修便等特点。适用于破碎废钢、废旧汽车外壳、废旧铁制品等废旧金属，出料密度均匀，破碎效果好，堆积密度高。

Hammer Mill is an important part of the Waste Metal Recycling Line. Applying alloy steels welding for the main part of the crusher, the structure is more compact, the strength is higher and stress-relieve treatment. The cutting chamber is made by strong steel plate, therefore, it is strong and firm enough. The raw material of the blade is high manganese steel which has higher toughness and impact resistance and ensures abrasion resistance. Aiming at the hard shredding material, there is device for discharging. There are more features for this machine, such as low labor intensity, low maintenance costs etc. It is suitable for crushing scrap metal, for example, scrap steel, waste car shell and scrap iron products. For the output material, the density is average, effect is good and the bulk density is high.



Model Item	ZP6045	ZP8060	ZP10080	ZP130120	ZP170160
外形尺寸 Dimension L*W*H(mm)	1750×1220×2210	2300×1650×2500	2850×2000×2760	4230×2290×5320	5340×6500×4800
入口料宽度 Width Of Cutting Chamber(mm)	417	560	760	1160	1560
刀轴间距直径 Rotor Diameter(mm)	φ596	φ780	φ960	φ1260	φ1660
主电机功率 Main Motor Power(kw)	37	55	90-132	160-250	315-400
设备重量 Weight(kg)	1500	3600	7800	21600	29500
破碎产量 Capacity(kg/h)	500-1000	1000-1500	2000-3000	4000-6000	8000-12000